COLLABORATIVE NETWORK CONSTRUCTION

By

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Acknowledgements/Dedication

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Abstract

I have analyzed the current needs of IT companies. IT companies are looking for people that are educated in networking, database, and web development. These three parts of IT go hand in hand, meaning that you usually don’t have one without the other. In order to develop a web site you need a network to deploy it on. In order to track customer information through a web site you need to have a database to store the information. I have analyzed the skills and technologies required to achieve this. By constructing a network, building a database, and developing a web site I will be able to make my skills marketable in the IT field.
COLLABORATIVE NETWORK CONSTRUCTION

1. Statement of Problem

With the fast growth in technology more companies are creating and expanding their computer technology. By doing this, it helps them to be more productive and also helps to increase sales. In order to get their computer technology upgraded they have to find people that are educated and experienced in information technology (IT). Companies today need someone to implement various computer technologies, depending on the company’s needs.

The first part of the problem is that many companies today have multiple file systems. This happens when a company is using PC and Unix computers. For example if someone has work on a PC and they need to access it on a Unix machine then they have to figure out a way to get the information from one machine to the other. In order to do this they currently would have to use a disk, tape, or transfer program to make this happen. The much simpler solution is to merge the file systems together so that the same data can be shared on both PC and Unix computers. SDRC, a company that I have been co-oping for, about five months ago merged their NT and Unix file systems. This greatly simplified work to the employees because files were constantly being transferred. This move helped them to increase productivity because now time doesn’t need to be wasted on transferring files.
The second part of the problem is that many companies don’t have the ability to sell themselves on the Web to increase sales. Toyota, a major car dealer, has recently made an e-business initiative. They have expanded their sales by opening up a market on the Web. Also many grocery stores are following the trend by using the Web to increase sales. The problem is that this takes someone with strong knowledge in IT to implement. This can be resolved by taking a computer and installing the necessary Web and e-mail server applications on it. Once this is done then the company can be on the Web to post information. (3, pg. 56) (1, pg. 142-146)

The third part of the problem is that many companies today don’t have the ability to share information and resources. Ticket Master has recently made use of a database by moving the ticket sales online. They are using a database to store the ticket information. They have also made sales accessible by the Web. Information can be shared by creating a database server that all of the employees can connect to. Once they are connected to the database they can share information. Resources are also very important to share. For example companies don’t want to buy a printer for every computer. That would be a waste of money for the company. A printer can be setup to be shared by multiple computers. (2, pg. 87-88)
1.1 Networking

In order for computers to be able to share information three pieces must be setup: hardware, operating systems, and applications. The first piece that must be setup is all the computers need to be physically connected to each other. In order to do this the computers must all have network cards installed. Once the network cards are installed the computer must be connected together using wires. The type of wires to be used would depend on the type of network that is desired. All of the computers need to be wired into a hub. Now that the computers are physically connected to each other they need operating system. Once again this would depend on what the computers need to be used for. Most companies today use either Windows NT Workstation/Server or Unix. After the operating system is installed, applications need to be installed so that they interact with the network.
1.2 Web Servers

In order to setup a Web server a computer is needed that is connected to the network, and also has a constant Internet connection. One application is required to setup a Web server. In order for the Web server to work, an application must be installed and configured. An example of an application that can be used for this purpose is Microsoft Internet Information Server. Once the software is installed and configured, Web pages can be created that can be seen from anyone on the Internet.

1.3 Database Server

Databases are widely used by companies to store and access shared information. They have a variety of styles and types that can be used. Databases are also being used for a variety of different tasks. In order to be able to use a database, a database server needs to be setup. In order to setup a database server an application must be installed and configured. An example of a database server that can be used is Microsoft SQL Server. Once the software is installed and configured a database can be created. Once this is done, multiple users can access the database simultaneously. For users to be able to access the database, the database server must be attached to the network or connected to the internet.
2. The Product Description and Intended Use

This project involves Multi-OS Networking, Web Development, and Database Deployment to form a collaborative network construction. These three parts form a collaborative network construction. The Multi-OS Networking brings together different operating systems and puts them on the same domain and setup shares so data can be transferred between systems. The operating systems that are being used are Windows NT Server, Windows NT Workstation, Windows 2000 Server, Windows 2000 Professional, Windows 98, Linux Server, Linux Workstation. Web Development provides a front-end for a database. This front-end will be accessible from any computer on the network. The front-end will allow users to insert, update, and delete customer information from a database. I am using HTML and ASP to code the Web pages for the sample site.

Database Deployment provides the back-end for the Web pages. This database will store the information passed to it, from the user. I am using SQL Server 7 for the database. This project creates a solution for networking technologies.

3. The User Profile

Users will vary in knowledge depending on the job they perform. Users will be trained according to what they need to use. For example, if someone needed to use one of the Linux boxes to run a 3D CAD program, then the user would need to be trained on the Linux OS and the 3D CAD program. Typically the Linux computers are used to run intensive applications. The Windows computers will be used to handle the Web and database portions.
4. Design Protocols

4.1 Multi-OS Networking

4.1.1 Organization Flowchart

This diagram illustrates the use of the different operating systems. This represents
the hierarchy of the computer connections and how they communicate. The boxes below
represent the different computers in the network project. The operating system and file
allocation type used for each computer are listed in each box. The workstations are
connected to the servers. The servers and connected to each other using a two-way trust.
The connections are illustrated with arrows.

![Diagram of network infrastructure](image)

**Figure 1. This shows the network infrastructure that was used.**

4.1.2 Interface Design/Navigation

The interface for this part of the project will consist of the operating systems
themselves. Each user will be able to logon to each computer. That way the users will be
able to go from computer to computer if needed.
4.1.3 Icons/Graphical Symbols

The key interface will depend on which computer users log on to and the task they need to perform. If they are using a windows interface, then they will mainly be using the mouse for interaction. If they are doing command level work, then they will mainly be using the keyboard for interaction. All seven operating systems have a Windows and command level interface that can be used.

4.1.4 Color Scheme

For the user accounts that I created, I set up roaming profiles. This enables users to customize the color scheme for the operating system they are using. They can set things like the background, font, and start menu. Each user can create a custom profile that will fit their personality.

4.1.5 Help

The operating systems provide help that can accessed from the computers. The Windows computers have help available on the Start Menu. The Linux computers have help available from the Windows interface and at the command line level. In Linux if help is needed with a command then the user can typically read the manual about it by typing “man command”, where command is the command that you need help with.

Help for someone that’s trying to setup the same type of environment that I have set up will be provided. I have been working on documentation as I proceed with this project. So far I have documented the steps involved in installing each of the seven operating systems. I have also documented some of the important software installs, such as IIS and SQL Server.
4.2 Web Development

4.2.1 Organization Flowchart

This diagram illustrates the basic design of the Web pages involved in the web portion of this project. This represents the hierarchy of the way the web pages are laid out and the way they are connected together. The boxes below represent the different Web pages involved in the project. Listed in the boxes below are the basic functions used for each page. The pages are all connected. The connections are illustrated with arrows.

```
Login --> Create New User Account
<p>|
|--------------------------------|</p>
<table>
<thead>
<tr>
<th>Welcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Update User Info</td>
</tr>
<tr>
<td>Check Out Video</td>
</tr>
<tr>
<td>Check In Video</td>
</tr>
<tr>
<td>Log Out</td>
</tr>
</tbody>
</table>
```

*Figure 2. This shows the web infrastructure that was used.*

4.2.2 Interface Design/Navigation

I have provided an area map at the top of all of the pages in the site. The top area map will provide the basic navigation that is needed to operate the site. The user will begin by logging in or creating a new user account. After they are logged in they can then proceed to update user info, check out a video, check in a video, or log out of the system.
4.2.3 Icons/Graphical Symbols

The key part in the user interaction for this site is the area map. From the area map the user can navigate around the site. The area map exists on every page to keep navigation uniform throughout the site.

4.2.4 Color Scheme

I currently have the pages set up with a light colored background and black text. This could be modified to match the needs of the user at a later time.

4.2.5 Help

I will provide a help page that the users can go to for help. The help page will be accessible from the area map. The help page will explain how to navigate around the site. I will also briefly explain how the customer information is stored and retrieved.
4.3 Database Deployment

4.3.1 Organization Flowchart

This diagram illustrates the basic structure of the database that will be implemented. This represents the hierarchy of the way the database is structured and connected together. The boxes below represent the tables in the database. Listed in the boxes below are the fields that are contained within the database. The connections between tables are illustrated with arrows.

![Database Flowchart]

Figure 3. This shows the database infrastructure that was used.
4.3.2 Interface Design/Navigation

The interface design and navigation will be through the Web front-end part of this project. The user will not have any direct access to this database. This is for security and confidentiality reasons.

4.3.3 Icons/Graphical Symbols

This section is also handled in the Web portion of this project.

4.3.4 Color Scheme

This section is also handled in the Web portion of this project.

4.3.5 Help

This section is also handled in the Web portion of this project.
5.1 Timeline
6. Budget

**Hardware**

<table>
<thead>
<tr>
<th>Product</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 2000 Server</td>
<td>$4,000.00</td>
</tr>
<tr>
<td>Windows NT Server</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Linux Server</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Windows 2000 Professional</td>
<td>$1,500.00</td>
</tr>
<tr>
<td>Windows NT Workstation</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Windows 98</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Linux Workstation</td>
<td>$1,000.00</td>
</tr>
</tbody>
</table>

**Software**

<table>
<thead>
<tr>
<th>Product</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows NT Server</td>
<td>$300.00</td>
</tr>
<tr>
<td>Windows NT Workstation</td>
<td>$100.00</td>
</tr>
<tr>
<td>Windows 2000 Server</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Windows 2000 Professional</td>
<td>$300.00</td>
</tr>
<tr>
<td>Linux</td>
<td>$0.00</td>
</tr>
<tr>
<td>IIS</td>
<td>$0.00</td>
</tr>
<tr>
<td>SQL Server</td>
<td>$900.00</td>
</tr>
</tbody>
</table>

**Total** $17,100.00
7. Precise Statement of Deliverables

I plan on delivering all seven operating systems networked together, including Windows NT Server, Windows NT Workstation, Windows 2000 Server, Windows 2000 Professional, Windows 98, Linux Server, and Linux Workstation. All seven computers will be networked on the same domain. I will set up a share that can be viewed from any computer. I have also created roaming profiles for the users. I will have IIS and SQL Server installed on one of the servers. I will provide sample web pages that will provide a front-end for my project. I will also implement the database that will provide the back-end for my project. Database transactions can be handled through the Web pages that will be published.
8. Proof of Design

The Web site front end is tied to the database backend. Both the Web site and the database are running on the network. The purpose of the Web site is to keep track of, which users, have which videos, checked out. The Web site begins with a login page. From the login page a user can do one of three options. A user can login with a user/password, create a new account, or view the help page. If a user bookmarks a page within the site that isn’t one of these pages, the user will be redirected to the login page. This way the system can keep track of the user. The login information about a user is stored in a session cookie. The cookie is destroyed when the user logs out or closes the browser window. Below is a picture of the first page that a user will see when they enter the site.

![Video Store Database Project](image)

Log In

Username:  
Password:  

Login  Reset

Create A New User Account

Figure 4. This shows the first page of the web site.
If a user selects “Create A New User Account” from the login page, then the user will be taken to the create account page. This page will provide the user to select a username/password, and provide their personal information. All fields are required in order for a user to create a new account on the system. JavaScript was used to handle client-side error checking. Once the user fills in the form and clicks the “Create Account” form, the information is passed on. The picture below is the create account form.

Figure 5. This shows the form the user must fill out, to create a new account on the system.
Once the user fills out the create account form, the data from the form is passed on to an asp page. The asp page verifies and records the new account information into the database. Once the information is stored in the database the user will now be able to logon to the system. The picture below is the confirmation that the user receives, about the account being created.

![Video Store Database Project](image)

**User Created**

The new user has been successfully created!

[Click here to log in.]

Figure 6. This is the account confirmation screen.
Once a user has created an account, the user can then log into the system. To log in the user needs to go to the login page and enter their username and password. Once the user has logged in, they are taken to the update account page. This page displays all of the users information in text fields. The user can update and of their information. If the user decides to update any of their information, all they have to do is make the change and click the “submit” button. The picture below shows the update user form.

Figure 7. This is the update user page.
If a user updates their information page they will be taken to an asp page that updates the fields in the database with the changes that were made. Once the database has been updated the user will receive a confirmation. The picture below shows the confirmation that the user will receive.

Figure 8. This is a confirmation that the user is updated.
If a user wants to check out a video, they begin by going to the check out page. To get to the check out page, the user can click on the area in the blue box, which is labeled “Check Out.” Once the user is at the check out page, they can check out a video by clicking on the video title and then clicking the “Check Out” button. The picture below shows the check out page.

**Figure 9. This is the check out video page.**
Once the user selects a video by title, the video title will form a blue box around the selection. This indicates that the video has been selected. Once the video selection is submitted, the data sent on. The picture below shows what it will look like when a user selects a video.

![Video Store Database Project](image)

**Check Out**

<table>
<thead>
<tr>
<th>Title</th>
<th>Rating</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run Away Bride</td>
<td>PG-13</td>
<td>Romance</td>
</tr>
<tr>
<td>Tammy Boy</td>
<td>PG</td>
<td>Comedy</td>
</tr>
<tr>
<td>Sixth Sense</td>
<td>R</td>
<td>Horror</td>
</tr>
<tr>
<td>Silk Maiden</td>
<td>PG</td>
<td>Comedy</td>
</tr>
</tbody>
</table>

Order Date: 2/14/2001
Order Time: 7:08:15 PM

Figure 10. This is the check out page, with a selection.
Once a video is selected for check out, the information is sent to an asp page. The asp page updates the database and sends a confirmation back to the user. The picture below shows the confirmation page that the user will receive.

![Video Store Database Project](image)

**Video Checked Out**

The video has been checked out successfully!
Click here to view the videos you have checked out.
Check out another video.

Figure 11. This is the check out confirmation page.
If a user wants to check in a video, they begin by going to the check in page. To get to the check in page, the user can click on the area in the blue box, which is labeled “Check In.” Once the user is at the check in page, they can check in a video by clicking on the video title and then clicking the “Check In” button. The picture below shows the check in page.

![Video Store Database Project](image)

**Figure 12. This is the video check in page.**
Once the user selects a video by title, the video title will form a blue box around the selection. This indicates that the video has been selected. Once the video selection is submitted, the data sent on. The picture below shows what it will look like when a user selects a video.

Figure 13. This is the check in page, with a selection.
Once a video is selected for check in, the information is sent to an asp page. The asp page updates the database and sends a confirmation back to the user. The picture below shows the confirmation page that the user will receive.

![Video Store Database Project](image)

**Video checked in**

The video has been checked in successfully!

[Click here to view the videos you have checked out](#)

[Check out another video](#)

**Figure 14. This is the check in confirmation page.**
If a user goes to the help page, they will receive information about the site. The information provides a general overview. It also explains how to use the site to update user information and navigation. The picture to the right shows the help page.

### Video Store Database Project

<table>
<thead>
<tr>
<th>Log In</th>
<th>Check Out</th>
<th>Update User</th>
</tr>
</thead>
<tbody>
<tr>
<td>New User</td>
<td>Check In</td>
<td>Log Out</td>
</tr>
</tbody>
</table>

#### Help

**How To Use This Site**

**Account Information**

If you have an account then enter your username and password in the fields provided then click “Log In.”

If you don’t have an account then click on “Create a New User Account.” From the next screen fill out the fields with your information and click “Create Account.” Once your account is created go to the Log In page.

**Once logged in**

Once you are logged in you are taken to the Customer Information page. From here you can make changes to the customer information or proceed on.

**To check out a video**

Go to the Check Out section and click on the video that you want to check out. Then click on the “Check Out” button.

**To check in a video**

Go to the Check In section and click on the video that you want to check in. Then click on the “Check In” button.

### Description

This online application is used for keeping track of customers and videos. This is used to keep track of which customers have what videos checked-out. When a customer wants to check-out, or check-in a video, this online application can be used.

### Navigation

Navigation of this site has been kept easy for simplicity. You start at the main page on screen http://129.137.101.73/video. Once you are logged in simply click on the different sections of the blue image at the top of the screen.

### Technical

This video store database project is used to store customer and video information. There web pages are tied into a database. By using the web pages customer and video information can be stored in the database for later retrieval. The database consists of four tables. One table stores the customer information such as:

- First Name
- Last Name
- Street Address
- City
- State
- Zip Code
- Email Address

The second table stores the information about the videos themselves. The video table stores information such as:

- Title
- Rating
- Owner
- Price

The other two tables are used to store information that tie the two tables together. When a video is checked-out by a customer the table that stores the interdate the video was checked-out.

For more information about this site send an email to loturn@email.com

---

**Figure 15. This is the help page.**
9. Conclusions and Recommendations

For future references I would have done the project differently if possible. As far as the networking aspect I ran into several problems with the jazz disks. The problems could have been avoided if I had used hard drives instead. Unfortunately all I had to work with were jazz disks. I did enjoy the challenge because I am aware that when I graduate and find a real job, that I will usually have to work around problems due to resource restrictions.

Overall I feel that this project was a great success. I ran into complications along the way but I was able to work around them. I was able to create a network consisting of variety of OS’s. I was also able to get a web server and database server up and running. I also was able to create a database and web pages that communicated with it. This was a large project with a steep learning curve, but it turned out great. I was striving for the experience that this project would entail. I feel that because I was able to complete this project I will be able to make myself more valuable in the IT field. I have already explained this project to potential companies and they sounded impressed. I am glad that I choose this project.
Appendix A. Networking

A.1 Windows NT Server Installation

Windows NT Server

---------------------------------
Create Partition Size
1024 MB

---------------------------------
File System
NTFS

---------------------------------
Choose Directory
C:\WINNT

---------------------------------
Copying Files...

---------------------------------
Name and Organization
  Name: JAL
  Organization: JAL Organization

---------------------------------
Enter CD Key

---------------------------------
Licensing Modes
  Per Server for 20 concurrent connections

---------------------------------
Computer Name
  Name: JAL_WINNTS

---------------------------------
Server Type
  Primary Domain Controller

---------------------------------
Emergency Repair Disk
  No
Select Components

Accessibility Options
Includes options to change keyboard, sound, display, and mouse behavior for people with mobility, hearing, and visual impairments.

Accessories
Calculator
Enables you to perform calculations.
Character Map
Enables you to insert symbols and characters into documents.
Clipboard Viewer
Enables you to store or view information in a clipboard.
Clock
Enables you to put an analog or digital clock on your desktop.
Desktop Wallpaper
Includes background images and pictures for your Windows NT desktop.
Document Templates
Alows you to easily create new documents for your most common programs.
Imaging
Image Viewer and OLE custom controls.
Mouse Pointers
A variety of easy-to-see pointer sizes for you mouse.
Object Packager
Enables you to insert an embedded or linked object into a document.
Paint
Enables you to create, modify, or view pictures.
Quick View
Enables you to preview a document without opening it.
Screen Savers
Display moving images when your computer is idle to prevent damage to your screen.
WordPad
Editor for creating short memos and documents.

Communications
Chat
Alows you to converse with other Windows NT users over a network.
HyperTerminal
Enables you to connect to other computers and online services (requires a modem).
Phone Dialer
Enables you to use your computer to dial a phone through a modem.

Games
Freecell
Minesweeper
Pinball
Solitaire

Multimedia
  CD Player
    Utility to play music CDs with your computer.
  Jungle Sound Scheme
  Media Player
    Utility to play audio and video clips.
  Musica Sound Scheme
  Robotz Sound Scheme
  Sample Sounds
  Sound Recorder
    Utility to record and play sounds with a sound card.
  Utopia Sound Scheme
  Volume Control
    Utility to adjust the volume from a sound card.

Windows Messaging
  Internal Mail
    Allows you to access Internet Mail.
  Microsoft Mail
    Allows you to access Microsoft Mail Post Offices.
  Windows Messaging
    Integrated Mail, MAPI, and other messaging applications.

---------------------------------
Wired to the Network
---------------------------------

Install IIS

---------------------------------
Install Network Drivers
  3COM 905B TX

Network Protocols
  TCP/IP Protocol
  NWLink IPX/SPX Transport

Network Services
  Microsoft Internet Information Server 2.0
  RPC Configuration
  NetBIOS Interface
Workstation
Server

Testing the NIC

3COM NIC Diagnostics

Do you wish to use DHCP?
    No

Computer Name: JAL_WINNTS
Domain: JAL
Administrator Name: administrator
Administrator Password: Usual

Microsoft Internet Information Server
    Internet Service Manager
    World Wide Web Service
    WWW Service Samples
    Internet Service Manager (HTML)
    Gopher Service
    FTP Service
    ODBC Drivers & Administration

Install Directory: C:\WINNT\System32\inetsrv

Publishing Directories
    World Wide Web Publishing Directory: C:\InetPub\wwwroot\
    FTP Publishing Directory: C:\InetPub\ftproot
    Gopher Publishing Directory: C:\InetPub\gophroot

Message:

Microsoft Internet Information Server 2.0 Setup

You do not have an internet domain name declared for this machine. To insure proper gopher functionality, an Internet domain name should be configured through the Network Control Panel Applet.

Install Drivers
Select ODBC driver to install: SQL Server

---------------------------------
Date/Time Properties
    Set Date & Time and Time Zone

---------------------------------
Log In

---------------------------------
A.2 Windows NT Server Configuration

Windows NT Server Configuration

---------------------------------
I created the user directories.

I went into Windows Explorer and created the directory C:\users
I then went to the properties on the folder users and shared the folder.

Sharing
  Shared As:
    () Not Shared
    (O) Share As:
      Share Name: users
      Comment:
    User Limit:
      (O) Maximum Allowed
      () Allow _ Users
    Permissions
      Everyone - Full Control

---------------------------------
Security
  Permissions
    [V] Replace Permissions on Subdirectories
    [V] Replace Permissions on Existing Files
    Name:
      Administrator - Full Control
      CREATOR OWNER - Full Control
      Everyone - Read
      Server Operators - Change
      SYSTEM - Full Control

   Auditing

   Ownership
     Directory Name: C:\users
     Owner: Administrator

---------------------------------
I created 5 directories inside of C:\users

---------------------------------

win2ks
  Properties
    Sharing
(O) Not Shared
() Shared As:
Security
Permissions
[V] Replace Permissions on Subdirectories
[V] Replace Permissions on Existing Files
Name:
Administrators - Full Control
CREATOR OWNER - Full Control
Everyone - Read
Server Operators - Change
SYSTEM - Full Control
win2ks - Full Control

Auditing
Ownership
Directory Name: C:\users\win2ks
Owner: win2ks

-----------------------------
win2kw
Properties
Sharing
(O) Not Shared
() Shared As:
Security
Permissions
[V] Replace Permissions on Subdirectories
[V] Replace Permissions on Existing Files
Name:
Administrators - Full Control
CREATOR OWNER - Full Control
Everyone - Read
Server Operators - Change
SYSTEM - Full Control
win2kw - Full Control

Auditing
Ownership
Directory Name: C:\users\win2kw
Owner: win2kw

-----------------------------
win98
Properties
Sharing
(O) Not Shared
()  Shared As:

Security
Permissions
[V] Replace Permissions on Subdirectories
[V] Replace Permissions on Existing Files
Name:
Administrators - Full Control
CREATOR OWNER  - Full Control
Everyone  - Read
Server Operators - Change
SYSTEM   - Full Control
win98   - Full Control

Auditing

Ownership
Directory Name: C:\users\win98
Owner: win98

-----------------------------
winnts
Properties
Sharing
(O) Not Shared
()  Shared As:

Security
Permissions
[V] Replace Permissions on Subdirectories
[V] Replace Permissions on Existing Files
Name:
Administrators - Full Control
CREATOR OWNER  - Full Control
Everyone  - Read
Server Operators - Change
SYSTEM   - Full Control
winnts   - Full Control

Auditing

Ownership
Directory Name: C:\users\winnts
Owner: winnts
winntw
  Properties
  Sharing
    (O) Not Shared
    ()  Shared As:
  Security
  Permissions
    [V] Replace Permissions on Subdirectories
    [V] Replace Permissions on Existing Files
  Name:
    Administrators - Full Control
    CREATOR OWNER - Full Control
    Everyone - Read
    Server Operators - Change
    SYSTEM - Full Control
    winntw - Full Control

Auditing

Ownership
  Directory Name: C:\users\winntw
  Owner: winntw

I created 5, domain user accounts.

Start | Programs | Administrative Tools | User Manager for Domains

User | New User

User Properties
  Username: win2ks
  Full Name: Windows 2000 Server
  Description: Windows 2000 Server
  Password: win2ks
  Confirm Password: win2ks
  [] User Must Change Password at Next Logon
  [] User Cannot Change Password
  [V] Password Never Expires
  [] Account Disabled

Group Memberships (Groups)
  Member of: Domain User
User Environment Profile (Profile)
User Profiles
  User Profile Path: \jal_winnts\users\win2ks\profile.pds
  Logon Script Name:
Home Directory
  () Local Path:
  (O) Connect U: To \jal_winnts\users\win2ks

---------------------------------
User Properties
Username: win2kw
  Full Name: Windows 2000 Workstation
  Description: Windows 2000 Workstation
  Password: win2kw
  Confirm Password: win2kw
[ ] User Must Change Password at Next Logon
[ ] User Cannot Change Password
[V] Password Never Expires
[ ] Account Disabled

Group Memberships (Groups)
Member of: Domain User

User Environment Profile (Profile)
User Profiles
  User Profile Path: \jal_winnts\users\win2kw\profile.pds
  Logon Script Name:
Home Directory
  () Local Path:
  (O) Connect U: To \jal_winnts\users\win2kw

---------------------------------
User Properties
Username: win98
  Full Name: Windows 98
  Description: Windows 98
  Password: win98
  Confirm Password: win98
[ ] User Must Change Password at Next Logon
[ ] User Cannot Change Password
[V] Password Never Expires
[ ] Account Disabled

Group Memberships (Groups)
Member of: Domain User
User Environment Profile (Profile)
  User Profiles
    User Profile Path: \jal_winnts\users\win98\profile.pds
    Logon Script Name:
  Home Directory
    () Local Path:
    (O) Connect U: To \jal_winnts\users\win98

User Properties
  Username: winnts
  Full Name: Windows NT Server
  Description: Windows NT Server
  Password: winnts
  Confirm Password: winnts
  [] User Must Change Password at Next Logon
  [] User Cannot Change Password
  [V] Password Never Expires
  [] Account Disabled

Group Memberships (Groups)
  Member of: Domain User

User Environment Profile (Profile)
  User Profiles
    User Profile Path: \jal_winnts\users\winnts\profile.pds
    Logon Script Name:
  Home Directory
    () Local Path:
    (O) Connect U: To \jal_winnts\users\winnts

User Properties
  Username: winntw
  Full Name: Windows NT Workstation
  Description: Windows NT Workstation
  Password: winntw
  Confirm Password: winntw
  [] User Must Change Password at Next Logon
  [] User Cannot Change Password
  [V] Password Never Expires
  [] Account Disabled

Group Memberships (Groups)
  Member of: Domain User
User Environment Profile (Profile)

User Profiles

User Profile Path: \\jal_winnt\users\winntw\profile.pds

Logon Script Name:

Home Directory

() Local Path:

(O) Connect U: To \\jal_winnt\users\winntw

---------------------------------

Installed and Configured Microsoft SQL Server 7.0

Install SQL Server 7.0 Components

Database Server - Standard Edition

Select Install Method

Local Install - Install to local machine

User Information

Name: JAL

Company: JAL Organization

Setup Type

Typical

Destination Folders

Program Files: C:\MSSQL7

Data Files: C:\MSSQL7

Services Accounts

Use the same account for each service

Service Settings

Use a domain user account

Username: administrator

Password: Usual

Domain: JAL

Choose Licensing Mode

Per Server for 5 concurrent connections

---------------------------------
A.3 Windows 2000 Server Installation

Windows 2000 Server

---------------------------------
Create Parition Size
    1500 MB

---------------------------------
File System
    NTFS

---------------------------------
Directory Set Automatically
    C:\WINNT

---------------------------------
Copying Files...

---------------------------------
Installing Devices...

---------------------------------
Regional Settings
    System Locale: English (United States)
    Keyboard Layout: US Keyboard Layout

---------------------------------
Personalize Your Software
    Name: JAL
    Organization: JAL Organization

---------------------------------
Licensing Modes
    Per Server. Number of concurrent connections: 20

---------------------------------
Computer Name and Administrator Password
    Computer Name: JAL_WIN2KS
    Administrator Password: Usual
    Confirm Password: Usual

---------------------------------
Windows 2000 Components

Accessories and Utilities
Accessibility Wizard
Accessories
Calculator
Character Map
Clipboard Viewer
Desktop Wallpaper
Document Templates
Mouse Pointers
Object Packager
Paint
WordPad
Communications
Chat
HyperTerminal
Phone Dialer
Games
Freecell
Minesweeper
Pinball
Solitaire
Multimedia
CD Player
Media Player
Sample Sounds
Sound Recorder
Utopia Sound Scheme
Volume Control

Certificate Services
Certificate Services CA
Allows you to create a Certification Authority on your server for issuing digital certificates.
Certificate Services Web Enrollment Support
Allows you to publish web pages on your server to submit requests and retrieve certificates from a Certification Authority.

Indexing Services
Enables fast full-text searching of files.

Internet Information Services (IIS)
Common Files
Documentation
File Transfer Protocol (FTP) Server
FrontPage 2000 Server Extensions
Internet Information Services Snap-In
Internet Services Manager (HTML)
NNTP Service
  NNTP Service
SMTP Service
  SMTP Service
Visual InterDev RAD Remote Deployment Support
World Wide Web Server

Management and Monitoring Tools
  Connection Manager Components
    Installs Connection Manager Administration Kit and the Phone Book Service.
  Network Monitor Tools
    Analyzes and troubleshoots packets of data transferred over the network.
  Simple Network Management Protocol
    Includes agents that monitor the activity in network devices and report to the network console workstation.

Message Queuing Services
  Message Queuing provides loosely-coupled and reliable network communication services.

Networking Services
  COM Internet Services Proxy
    Enables DCOM (Distributed Component Object Model) to travel over HTTP via the Internet Information Server (IIS).
  Domain Name System (DNS)
    Set up a DNS server that answers query and update requests for DNS names.
  Dynamic Host Configuration Protocol (DHCP)
    Sets up a DHCP server that automatically assigns temporary IP addresses to client computers on the same network.
  Internet Authentication Service
    Enables authentication, authorization and accounting of dial-up and VPN users. IAS supports the RADIUS protocol.
  QoS Admission Control Service
    Allows you to specify the quality of the network connection for each subnet.
  Simple TCP/IP Services
    Supports the following TCP/IP services: Character Generator, Daytime, Discard, Echo, and Quote of the Day.
  Site Server ILS Services
    Scans TCP/IP stacks and updates directories with the most current user information.
  Windows Internet Name Service (WINS)
    Sets up a WINS server that registers and resolves NetBIOS names for clients.
Other Network File and Print Services
   File Services for Macintosh
   Print Services for Macintosh
   Print Services for Unix

Remote Installation Services
   Provides the ability to remotely install Windows 2000 Professional on remote
   boot enabled client computers.

Remote Storage
   A set of services and administrative tools that you can use to store data from
   infrequently used files on magnetic tape.

Script Debugger
   Identifies errors in script programs running on your computer.

Terminal Services
   Client Creator Files
      Enables creation of installation disks for Terminal Services Clients.
   Enable Terminal Services
      Enables Terminal Services software on your computer.

Terminal Services Licensing
   Configures this computer as a Terminal Services license server that provides
   client licenses.

Windows Media Services
   Windows Media Services
      Windows Media Services, which support streaming media.
   Windows Media Services Admin
      Administrative interface for Windows Media Services.

----------------------------
Modem Dialing Information
   Country: United States of America
   Area Code: 513
   Outside Line:
   Line Type: Tone dialing

----------------------------
Date and Time Settings
   Setup Date & Time, and Time Zone.

----------------------------
Networking Settings
Custom Settings
   Client for Microsoft Networks
   File and Printer Sharing for Microsoft Networks
   Internet Protocol (TCP/IP)

---------------------------------
Workgroup or Computer Domain
   No, this computer is not on a network with a domain.
   Workgroup: WORKGROUP

---------------------------------
Installing Components...

---------------------------------
Log In

---------------------------------
A.4 Windows 2000 Server Configuration

Windows 2000 Server Configuration

-----------------------------
Installation of Active Directory to Create a New Domain

Domain Controller Type
    Domain controller for a new domain

Create Tree or Child Domain
    Create a new domain tree

Create or Join Forest
    Create a new forest of domain trees

New Domain Name
    Full DNS name for new domain: JAL_DOMAIN

NetBIOS Domain Name
    Domain NetBIOS Name: JAL_DOMAIN

Database and Log Locations
    Database Location: C:\WINNT\NTDS
    Log Location: C:\WINNT\NTDS

Shared System Volume
    Folder Location: C:\WINNT\SYSVOL

I received this error message while setting up the domain:
The wizard cannot contact the DNS server that handles the name "JAL_DOMAIN" to
determine if it supports dynamic update. Confirm your DNS configuration, or
install and configure a DNS server on this computer.

Configure DNS
    Yes, install and configure DNS on this computer

Permissions
    Permissions compatible with pre-Windows 2000 servers.

Directory Services Restore Mode Administrator Password
    Password: Usual
    Confirm Password: Usual

Error:
The operation failed with the following error:
The specified path is invalid.

---------------------------------
Configure DNS Server

Root Server
   This is the first DNS server on this network.

Forward Lookup Zone
   Yes, create a forward lookup zone

Zone Type
   Standard Primary

Zone Name
   zone.jal.com

Zone File
   Create a new file with this file name: zone.jal.com.dns

Reverse Lookup Zone
   Yes, create a reverse lookup zone

Zone Type
   Standard Primary

Reverse Lookup Zone
   Network ID: 129.137.100

Zone File
   Create a new file with this file name: 100.137.129.in-addr.arpa.dns

---------------------------------
Installing Routing and Remote Access Server

Common Configurations
   Manually configured server
      Start the server with default settings.
A.5 Linux Server Installation

Linux Server

---------------------------------
Choose a Language
   English
---------------------------------
Keyboard Type
   US
---------------------------------
Installation Method
   Local CD-ROM
---------------------------------
Installation Path
   Install
---------------------------------
Installation Class
   Server
---------------------------------
Configure Mouse
   Microsoft Intelli Mouse PS/2
---------------------------------
Montior Setup
   Samsung SyncMaster 700b
---------------------------------
Screen Configuration
   Don't Probe
---------------------------------
Screen Resolution
   24 bit 800x600
---------------------------------
Video Memory
   8 Meg
---------------------------------
Clockchip Configuration
No Clockchip Setting

---------------------------------
Install LAN Networking
 Yes

---------------------------------
Probe for Network Card Found
  3COM 3c59x

---------------------------------
Boot Protocol
 Static IP Address

---------------------------------
Configure TCP/IP
  IP Address: 129.137.100.149
  Netmask: 255.255.254.0
  Default Gateway: 129.137.100.144
  Primary Name Server: 129.137.100.146

---------------------------------
Configure Network
  Domain Name: JAL
  Host Name: JAL_LINUXS
  Secondary Nameserver (IP):
  Tertiary Nameserver (IP):

---------------------------------
Configure Timezones
 US/Eastern

---------------------------------
Root Password
  Password: Usual
  Password (again): Usual

---------------------------------
Boot Disk
 No
 This relies on booting off of the boot disk instead of using the MBR.

---------------------------------
Rebooted Computer..
 Had to boot off of boot disk. It wouldn't boot without it.
Logged In

Ran startx to start the X-Windows Session
A.6 Linux Server Configuration

Linux Server Configuration

-------------------------------
Disk Free (I used "df -k" to find out the following disk information)

<table>
<thead>
<tr>
<th>File System</th>
<th>1024-Blocks</th>
<th>Used</th>
<th>Available</th>
<th>Capacity</th>
<th>Mounted On</th>
</tr>
</thead>
<tbody>
<tr>
<td>/dev/sda8</td>
<td>256592</td>
<td>20244</td>
<td>223096</td>
<td>8%</td>
<td>/</td>
</tr>
<tr>
<td>/dev/sda1</td>
<td>23300</td>
<td>803</td>
<td>21294</td>
<td>4%</td>
<td>/boot</td>
</tr>
<tr>
<td>/dev/sda6</td>
<td>637491</td>
<td>2485</td>
<td>602075</td>
<td>0%</td>
<td>/home</td>
</tr>
<tr>
<td>/dev/sda7</td>
<td>256592</td>
<td>6281</td>
<td>237059</td>
<td>3%</td>
<td>/var</td>
</tr>
</tbody>
</table>

-------------------------------
Installed and Configured Samba
This was setup to connect to the JAL Domain.

Configuration File: /etc/smb.conf

Rebooted Computer and Logged In
Connection to Domain works.

-------------------------------
Modified Hosts Name List
Add the computers that reside on the JAL Domain

Configuration File: /etc/hosts

| 127.0.0.1 | localhost | localhost.localdomain |
| 129.137.100.149 | JAL_LINUXS | JAL_LINUXS.JAL |
| 129.137.100.150 | JAL_LINUXW | JAL_LINUXW.JAL |
| 129.137.100.146 | JAL_WINNTS | JAL_WINNTS.JAL |
| 129.137.100.147 | JAL_WINNTW | JAL_WINNTW.JAL |
| 129.137.100.144 | JAL_WIN2KS | JAL_WIN2KS.JAL |
| 129.137.100.153 | JAL_WIN2KW | JAL_WIN2KW.JAL |
| 129.137.100.148 | JAL_WIN98 | JAL_WIN98.JAL |

-------------------------------
I need to create Linux accounts on this server.
linuxs
linuxw
A.7 Windows NT Workstation Installation

Windows NT Workstation

---------------------------------
Create Partition Size
  1024 MB
---------------------------------

File System
  FAT
  NTFS

---------------------------------
Choose Directory
  C:\WINNT

---------------------------------
Copying Files...

---------------------------------
Restart Computer

---------------------------------
Setup Options
  Custom

---------------------------------
Name: JAL
Organization: JAL Organization

---------------------------------
Computer Name
  Name: JAL_WINNTW

---------------------------------
Administrator Account
  Password: Usual
  Confirm Password: Usual

---------------------------------
Emergency Repair Disk
  No

---------------------------------
Accessibility Options
Includes options to change keyboard, sound, display, and mouse behavior for people with mobility, hearing, and visual impairments.

Accessories
  Calculator
    Enables you to perform calculations.
  Character Map
    Enables you to insert symbols and characters into documents.
  Clipboard Viewer
    Enables you to store or view information in a clipboard.
  Clock
    Enables you to put an analog or digital clock on your desktop.
  Desktop Wallpaper
    Includes background images and pictures for your Windows NT desktop.
  Document Templates
    Allows you to easily create new documents for your most common programs.
  Imaging
    Image Viewer and OLE custom controls.
  Mouse Pointers
    A variety of easy-to-see pointer sizes for your mouse.
  Object Packager
    Enables you to insert an embedded or linked object into a document.
  Paint
    Enables you to create, modify, or view pictures.
  Quick View
    Enables you to preview a document without opening it.
  Screen Savers
    Display moving images when your computer is idle to prevent damage to your screen.
  WordPad
    Editor for creating short memos and documents.

Communications
  Chat
    Allows you to converse with other Windows NT users over a network.
  HyperTerminal
    Enables you to connect to other computers and online services (requires a modem).
  Phone Dialer
    Enables you to use your computer to dial a phone through a modem.

Games
  Freecell
  Minesweeper
  Pinball
Solitare

Multimedia
   CD Player
       Utility to play music CDs with your computer.
   Jungle Sound Scheme
   Media Player
       Utility to play audio and video clips.
   Musica Sound Scheme
   Robotz Sound Scheme
   Sample Sounds
   Sound Recorder
       Utility to record and play sounds with a sound card.
   Utopia Sound Scheme
   Volume Control
       Utility to adjust the volume from a sound card.

Windows Messaging
   Internal Mail
       Allows you to access Internet Mail.
   Microsoft Mail
       Allows you to access Microsoft Mail Post Offices.
   Windows Messaging
       Integrated Mail, MAPI, and other messaging applications.

---------------------------------
Do not connect this computer to a network at this time.

This computer will participate on a network.
   Wired to the network.
   Remote access to the network.

---------------------------------
Date/Time Properties
   Date & Time
   Time Zone

---------------------------------
Display Properties
   Settings

---------------------------------
Copying Files...

---------------------------------
Restart Computer
Log In
A.8 Windows NT Workstation Configuration

Windows NT Server Configuration

---------------------------------
Install Service Pack 6a with 128 bit encryption.

---------------------------------
Errors

--------
Problem:
Error Message Appearing in Event Viewer

The server service terminated with the following error:
Not enough server storage is available to process this command.

Solution:
Installed Service Pack 6a with 128 bit encryption.

--------
A.9 Windows 2000 Professional Installation

Windows 2000 Professional (Workstation)

---------------------------------
Create Partition Size
   1200 MB
---------------------------------
File System
   NTFS
---------------------------------
Directory Set Automatically
   C:\WINNT
---------------------------------
Copying Files...
---------------------------------
Regional Settings
   Locale Settings
      English (United State)
   Keyboard Layout
      US Keyboard Layout
---------------------------------
Personalize Your Software
   Name: JAL
   Organization: JAL Organization
---------------------------------
Computer Name and Administrator Password
   Computer Name: JAL_WIN2KS
   Administrator Password: Usual
   Confirm Password: Usual
---------------------------------
Modem Dialing Information
   Country: United States of America
   Area Code: 513
   Outside Line:
   Dial Type: Tone
---------------------------------
Date and Time Settings


56
Set date and time.
Set time zone.

---------------------------------
Networking Settings
  Custom Settings

---------------------------------
Networking Components
  Client for Microsoft Networks
  File and Printer Sharing for Microsoft Networks
  Internet Protocol (TCP/IP)

---------------------------------
Workgroup or Computer Domain
  No, this computer is not on a network. (I haven't created the domain yet.)
    Workgroup: WORKGROUP

---------------------------------
Installing Components...

---------------------------------
Users of This Computer
  Users must enter a user name and password to use this computer.

---------------------------------
Log In

---------------------------------
A.10 Windows 2000 Professional Configuration
A.11 Windows 98 Installation

Windows 98

-------------------------------
Select Directory
C:\Windows

-------------------------------
Setup Options
Type of Setup
Customer

-------------------------------
Accessibility
Accessibility Options
Tools to change keyboard, sound, display, and mouse for disabled.
Accessibility Tools
Magnifier and large pointer.

Accessories
Calculator
Imaging
Quick View
Windows Scripting Host
Write scripts to automate tasks.
WordPad

Communications
Dial-Up Networking
Connect out of computer.
Dial-Up Server
Connect into computer.
HyperTerminal
Microsoft NetMeeting
Virtual Private Networking

Internet Tools
Microsoft Front Page Express
Microsoft VRML 2.0 Viewer
Personal Web Server
Real Audio Player 4.0

System Tools
Backup
Clipboard Viewer
Disk Compression Tools
Drive Converter (FAT 32)
Group Policies
  Group based support for system policies
Net Watcher
  Monitors Network Server and Connections
System Monitor
System Resources Meter

---------------------------------
Computer Name: JAL_WIN98

Workgroup: WORKGROUP

Computer Description: Windows 98 Computer

---------------------------------
Computer Settings
  Keyboard Layout
    United States
  Regional Settings
    English (US)

---------------------------------
Establishing Your Location
  United States

---------------------------------
Copying Files...

---------------------------------
Name: JAL

Company: JAL Company

---------------------------------
Accept License Agreement

---------------------------------
Enter Code

---------------------------------
Date/Time Properties
  Date & Time
  Time Zone
Log In
A.12 Windows 98 Configurations

Windows 98 Configuration

---------------------------------
Copied win98 directory from CD.

---------------------------------
Install Drivers for Network Card

3Com EtherLink XL 10/100 PCI TX NIC (3C905B-TX)

---------------------------------
Install Drivers for Modem

U.S. Robotics 56k Fax Internal

---------------------------------
Install Drivers for Video Card

ATI Rage PRO

---------------------------------
A.13 Linux Workstation Installation

Linux Workstation

---------------------------------
Choose a Language
  English

---------------------------------
Keyboard Type
  US

---------------------------------
Installation Method
  Local CD-ROM

---------------------------------
Installation Path
  Install

---------------------------------
Installation Class
  Workstation

---------------------------------
Configure Mouse
  Microsoft Intelli Mouse PS/2

---------------------------------
Montior Setup
  Samsung SyncMaster 700b

---------------------------------
Screen Configuration
  Don't Probe

---------------------------------
Screen Resolution
  24 bit 800x600

---------------------------------
Video Memory
  8 Meg

---------------------------------
Clockchip Configuration
No Clockchip Setting

---------------------------------
Install LAN Networking
  Yes

---------------------------------
Probe for Network Card Found
  3COM 3c59x

---------------------------------
Boot Protocol
  Static IP Address

---------------------------------
Configure TCP/IP
  IP Address: 129.137.100.150
  Netmask: 255.255.254.0
  Default Gateway: 129.137.100.144
  Primary Name Server: 129.137.100.146

---------------------------------
Configure Network
  Domain Name: JAL
  Host Name: JAL_LINUXW
  Secondary Nameserver (IP):
  Tertiary Nameserver (IP):

---------------------------------
Configure Timezones
  US/Eastern

---------------------------------
Root Password
  Password: Usual
  Password (again): Usual

---------------------------------
Boot Disk
  No
  This relies on booting off of the boot disk instead of using the MBR.

---------------------------------
Rebooted Computer..
  Had to boot off of boot disk. It wouldn't boot without it.
Logged In

Ran startx to start the X-Windows Session

-----------------------------
A.14 Linux Workstation Configuration

Linux Server Configuration

Disk Free (I used "df -k" to find out the following disk information)

<table>
<thead>
<tr>
<th>File System</th>
<th>1024-Blocks</th>
<th>Used</th>
<th>Available</th>
<th>Capacity</th>
<th>Mounted On</th>
</tr>
</thead>
<tbody>
<tr>
<td>/dev/sda8</td>
<td>256592</td>
<td>20244</td>
<td>223096</td>
<td>8%</td>
<td>/</td>
</tr>
<tr>
<td>/dev/sda1</td>
<td>23300</td>
<td>803</td>
<td>21294</td>
<td>4%</td>
<td>/boot</td>
</tr>
<tr>
<td>/dev/sda6</td>
<td>637491</td>
<td>2485</td>
<td>602075</td>
<td>0%</td>
<td>/home</td>
</tr>
<tr>
<td>/dev/sda5</td>
<td>637491</td>
<td>244048</td>
<td>360512</td>
<td>40%</td>
<td>/usr</td>
</tr>
<tr>
<td>/dev/sda7</td>
<td>256592</td>
<td>6281</td>
<td>237059</td>
<td>3%</td>
<td>/var</td>
</tr>
</tbody>
</table>

Installed and Configured Samba

This was setup to connect to the Windows NT "JAL" Domain.

Configuration File: /etc/smb.conf

# This is the main Samba configuration file. You should read the
# smb.conf(5) manual page in order to understand the options listed
# here. Samba has a huge number of configurable options (perhaps too
# many!) most of which are not shown in this example
#
# Any line which starts with a ; (semi-colon) or a # (hash)
# is a comment and is ignored. In this example we will use a #
# for commentary and a ; for parts of the config file that you
# may wish to enable
#
# NOTE: Whenever you modify this file you should run the command "testparm"
# to check that you have not many any basic syntactic errors.
#
#================================ Global Settings ===============================

[global]

# workgroup = NT-Domain-Name or Workgroup-Name
workgroup = JAL

# server string is the equivalent of the NT Description field
server string = Samba Server

# This option is important for security. It allows you to restrict
# connections to machines which are on your local network. The
# following example restricts access to two C class networks and
# the "loopback" interface. For more examples of the syntax see
# the smb.conf man page
; hosts allow = 192.168.1. 192.168.2. 127.

# if you want to automatically load your printer list rather
# than setting them up individually then you'll need this
  printcap name = /etc/printcap
  load printers = yes

# It should not be necessary to spell out the print system type unless
# yours is non-standard. Currently supported print systems include:
# bsd, sysv, plp, lprng, aix, hpux, qnx
; printing = bsd

# Uncomment this if you want a guest account, you must add this to /etc/passwd
# otherwise the user "nobody" is used
; guest account = pcguest

# this tells Samba to use a separate log file for each machine
# that connects
  log file = /var/log/samba/log.%m

# Put a capping on the size of the log files (in Kb).
  max log size = 50

# Security mode. Most people will want user level security. See
# security_level.txt for details.
  security = server
# Use password server option only with security = server
  password server = jal_winnts

# Password Level allows matching of _n_ characters of the password for
# all combinations of upper and lower case.
; password level = 8
; username level = 8

# You may wish to use password encryption. Please read
# ENCRYPTION.txt, Win95.txt and WinNT.txt in the Samba documentation.
# Do not enable this option unless you have read those documents
; encrypt passwords = yes
; smb passwd file = /etc/smbpasswd

# Unix users can map to different SMB User names
; username map = /etc/smbusers

# Using the following line enables you to customise your configuration
# on a per machine basis. The %m gets replaced with the netbios name
# of the machine that is connecting
;   include = /etc/smb.conf.%m

# Most people will find that this option gives better performance.
# See speed.txt and the manual pages for details
  socket options = TCP_NODELAY

# Configure Samba to use multiple interfaces
# If you have multiple network interfaces then you must list them
# here. See the man page for details.
;   interfaces = 192.168.12.2/24 192.168.13.2/24

# Configure remote browse list synchronisation here
# request announcement to, or browse list sync from:
#   a specific host or from / to a whole subnet (see below)
;   remote browse sync = 192.168.3.25 192.168.5.255
# Cause this host to announce itself to local subnets here
;   remote announce = 192.168.1.255 192.168.2.44

# Browser Control Options:
# set local master to no if you don't want Samba to become a master
# browser on your network. Otherwise the normal election rules apply
;   local master = no

# OS Level determines the precedence of this server in master browser
# elections. The default value should be reasonable
;   os level = 33

# Domain Master specifies Samba to be the Domain Master Browser. This
# allows Samba to collate browse lists between subnets. Don't use this
# if you already have a Windows NT domain controller doing this job
;   domain master = yes

# Preferred Master causes Samba to force a local browser election on startup
# and gives it a slightly higher chance of winning the election
;   preferred master = yes

# Use only if you have an NT server on your network that has been
# configured at install time to be a primary domain controller.
#   domain controller = <NT-Domain-Controller-SMBName>
    domain controller = jal_winnts

#   # Enable this if you want Samba to be a domain logon server for
# Windows95 workstations.
;   domain logons = yes
# if you enable domain logons then you may want a per-machine or
# per user logon script
# run a specific logon batch file per workstation (machine)
  logon script = %m.bat
# run a specific logon batch file per username
  logon script = %U.bat

# Where to store roving profiles (only for Win95 and WinNT)
# %L substitutes for this servers netbios name, %U is username
# You must uncomment the [Profiles] share below
  logon path = %L\Profiles%U

# All NetBIOS names must be resolved to IP Addresses
# 'Name Resolve Order' allows the named resolution mechanism to be specified
# the default order is "host lmhosts wins bcast". "host" means use the unix
# system gethostbyname() function call that will use either /etc/hosts OR
# DNS or NIS depending on the settings of /etc/host.config, /etc/nsswitch.conf
# and the /etc/resolv.conf file. "host" therefore is system configuration
# dependant. This parameter is most often of use to prevent DNS lookups
# in order to resolve NetBIOS names to IP Addresses. Use with care!
# The example below excludes use of name resolution for machines that are NOT
# on the local network segment
# - OR - are not deliberately to be known via lmhosts or via WINS.
  name resolve order = wins lmhosts bcast

# Windows Internet Name Serving Support Section:
# WINS Support - Tells the NMBD component of Samba to enable it's WINS
# Server
  wins support = yes

# WINS Server - Tells the NMBD components of Samba to be a WINS Client
# Note: Samba can be either a WINS Server, or a WINS Client, but NOT
# both
  wins server = w.x.y.z

# WINS Proxy - Tells Samba to answer name resolution queries on
# behalf of a non WINS capable client, for this to work there must be
# at least one WINS Server on the network. The default is NO.
  wins proxy = yes

# DNS Proxy - tells Samba whether or not to try to resolve NetBIOS names
# via DNS nslookups. The built-in default for versions 1.9.17 is yes,
# this has been changed in version 1.9.18 to no.
  dns proxy = yes
# Case Preservation can be handy - system default is _no_
# NOTE: These can be set on a per share basis
; preserve case = no
; short preserve case = no
# Default case is normally upper case for all DOS files
; default case = lower
# Be very careful with case sensitivity - it can break things!
; case sensitive = no

#================================= Share Definitions ========================
[homes]
  comment = Home Directories
  browseable = no
  writable = yes

# Un-comment the following and create the netlogon directory for Domain Logons
; [netlogon]
;  comment = Network Logon Service
;  path = /home/netlogon
;  guest ok = yes
;  writable = no
;  share modes = no

# Un-comment the following to provide a specific roving profile share
# the default is to use the user's home directory
; [Profiles]
;  path = /home/profiles
;  browseable = no
;  guest ok = yes

# NOTE: If you have a BSD-style print system there is no need to
# specifically define each individual printer
[printers]
  comment = All Printers
  path = /var/spool/samba
  browseable = no
# Set public = yes to allow user 'guest account' to print
  guest ok = no
  writable = no
  printable = yes

# This one is useful for people to share files
; [tmp]
;  comment = Temporary file space
;  path = /tmp
;  read only = no
;  public = yes

# A publicly accessible directory, but read only, except for people in
# the "staff" group
:[public]
;  comment = Public Stuff
;  path = /home/samba
;  public = yes
;  writable = yes
;  printable = no
;  write list = @staff

# Other examples.
#
# A private printer, usable only by fred. Spool data will be placed in fred's
# home directory. Note that fred must have write access to the spool directory,
# wherever it is.
:[fredsprn]
;  comment = Fred's Printer
;  valid users = fred
;  path = /homes/fred
;  printer = freds_print
;  public = no
;  writable = no
;  printable = yes

# A private directory, usable only by fred. Note that fred requires write
# access to the directory.
:[fredsd]
;  comment = Fred's Service
;  path = /usr/somewhere/private
;  valid users = fred
;  public = no
;  writable = yes
;  printable = no

# a service which has a different directory for each machine that connects
# this allows you to tailor configurations to incoming machines. You could
# also use the %u option to tailor it by user name.
# The %m gets replaced with the machine name that is connecting.
:[pchome]
;  comment = PC Directories
;  path = /usr/pc/%m
# A publicly accessible directory, read/write to all users. Note that all files
# created in the directory by users will be owned by the default user, so
# any user with access can delete any other user's files. Obviously this
# directory must be writable by the default user. Another user could of course
# be specified, in which case all files would be owned by that user instead.

;[public]
;   path = /usr/somewhere/else/public
;   public = yes
;   only guest = yes
;   writable = yes
;   printable = no

# The following two entries demonstrate how to share a directory so that two
# users can place files there that will be owned by the specific users. In this
# setup, the directory should be writable by both users and should have the
# sticky bit set on it to prevent abuse. Obviously this could be extended to
# as many users as required.

;[myshare]
;   comment = Mary's and Fred's stuff
;   path = /usr/somewhere/shared
;   valid users = mary fred
;   public = no
;   writable = yes
;   printable = no
;   create mask = 0765

---------------------------------
Rebooted Computer and Logged In
Connection to Domain works.
---------------------------------

Modified Hosts Name List
Add the computers that reside on the JAL Domain

Configuration File: /etc/hosts

<table>
<thead>
<tr>
<th>IP Address</th>
<th>Hostname 1</th>
<th>Hostname 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>127.0.0.1</td>
<td>localhost</td>
<td>localhost.localdomain</td>
</tr>
<tr>
<td>129.137.100.150</td>
<td>JAL_LINUXW</td>
<td>JAL_LINUXW.JAL</td>
</tr>
<tr>
<td>129.137.100.149</td>
<td>JAL_LINUXS</td>
<td>JAL_LINUXS.JAL</td>
</tr>
<tr>
<td>129.137.100.146</td>
<td>JAL_WINNTS</td>
<td>JAL_WINNTS.JAL</td>
</tr>
<tr>
<td>129.137.100.147</td>
<td>JAL_WINNTW</td>
<td>JAL_WINNTW.JAL</td>
</tr>
<tr>
<td>129.137.100.144</td>
<td>JAL_WIN2KS</td>
<td>JAL_WIN2KS.JAL</td>
</tr>
<tr>
<td>129.137.100.153</td>
<td>JAL_WIN2KW</td>
<td>JAL_WIN2KW.JAL</td>
</tr>
<tr>
<td>129.137.100.148</td>
<td>JAL_WIN98</td>
<td>JAL_WIN98.JAL</td>
</tr>
</tbody>
</table>
I need to create Linux accounts on this server.
    linuxs
    linuxw
Appendix B. Database

<table>
<thead>
<tr>
<th>Customer</th>
<th>Orders</th>
<th>Order Details</th>
<th>Videos</th>
</tr>
</thead>
<tbody>
<tr>
<td>CustomerID</td>
<td>OrderID</td>
<td>OrderID</td>
<td>VideoID</td>
</tr>
<tr>
<td>FirstName</td>
<td>CustomerID</td>
<td>VideoTitle</td>
<td>VideoTitle</td>
</tr>
<tr>
<td>LastName</td>
<td>OrderDate</td>
<td>VideoCategory</td>
<td>VideoCategory</td>
</tr>
<tr>
<td>UserName</td>
<td>OrderTime</td>
<td>VideoRating</td>
<td>VideoRating</td>
</tr>
<tr>
<td>Password</td>
<td></td>
<td>VideoPrice</td>
<td>VideoPrice</td>
</tr>
<tr>
<td>Address</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZipCode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix C. Web

C.1 index.html

```html
<html>
<head>
<title>Video Store Database</title>
</head>
<body background="/jlouis_video/images/background.gif">

<script LANGUAGE="JavaScript">
function checkform (thisform) {
    if (thisform.UserName.value == null || thisform.UserName.value == "") {
        alert ("You must specify a User Name.");
        thisform.UserName.focus() ;
        return false;
    }
    if (thisform.Password.value == null || thisform.Password.value == "") {
        alert ("You must specify a Password.");
        thisform.Password.focus() ;
        return false;
    }
}
</script>

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="login.asp" onSubmit="return checkform(this)">
<h1 align="center">Video Store Database Project</h1>
<center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap" width="500" height="100"></center>
<h2 align="center">Log In</h2>
```

75
<table align="center">
<tr>
<td><b>Username:</b></td>
<td><input id="UserName" name="UserName" size="8" maxlength="8"></td>
</tr>
<tr>
<td><b>Password:</b></td>
<td><input id="Password" name="Password" type="password" size="15" maxlength="15"></td>
</tr>
<tr align="center">
<td><input id="submit" name="submit" type="submit" value=" Login ">
</td>
<td><input type="reset" value=" Reset " id="reset" name="reset"></td>
</tr>
</table>

<p align="center"><a href="newuser.html">Create A New User Account</a></p>

</form>
</body>
</html>
C.2 login.asp

<%
'This is the connect string for the database
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis;
PWD=password; Database=jlouis_video"

'get the users information
UserName=Request.Form("UserName")
Password=Request.Form ("Password")

'Double Check the data
if UserName = "" then
    'Response.Write ("UserName")
    'Response.Write ("Password")
    Response.Redirect ("/jlouis_video/")
elseif Password = "" then
    Response.Redirect ("/jlouis_video/")
end if

'lets look them up in the database
'Database Connection Objects
Set ObjConn = Server.CreateObject ("ADODB.Connection")
Set ObjCmd = Server.CreateObject ("ADODB.Command")
Set objParam = Server.CreateObject ("ADODB.Parameter")
Set objRst = Server.CreateObject ("ADODB.Recordset")
'open the connection
objConn.Open strDSN

strSQL = "select UserName,UserPasswd from Customer where UserName=" & 
UserName & " & " and UserPasswd=" & Password & ""

objRst.Open strSQL, objConn

'Are they there
If objRst.EOF And objRst.BOF Then
    'Close the recordset and connection.
    objRst.Close
    objConn.Close
    'Destroy the objects
    Set objRst = Nothing
    Set objConn = Nothing
    Response.Redirect "/jlouis_video/
End If

'Set the cookie
Response.Cookies("uid") = UserName

'take them to the right page
Response.Redirect ("/jlois_video/updateuser.asp")
%>
C.3 help.html

<html>
<head>
<title>Video Store Database - Help</title>
</head>

<body background="/jlouis_video/images/background.gif">

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="login.asp" onSubmit="return checkform(this)"
id="form1" name="form1">

<h1 align="center">Video Store Database Project</h2>

<center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap" width="500" height="100"></center>

<h2 align="center">Help</h2>

<br>

<table align="center" width="500">
<tr><td>

<h3>How To Use This Site</h3>

<h4>Account information</h4>

<p>If you <b>have an account</b> then enter your username and password in the fields provided then click &quot;Log In.&quot;</p>

<p>If you <b>don't have an account</b> then click on &quot;Create a New User Account.&quot; From the next screen fill

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out the fields with your information and click "Create Account." Once your account is created go to the Log In page.

<h4>Once logged in</h4>

Once you are logged in you are taken to the Customer Information page. From here you can make changes to the customer information or proceed on.

<h4>To check out a video</h4>

Go to the Check Out section and click on the video that you want to check out. Then click on the "Check Out" button.

<h4>To check in a video</h4>

Go to the Check In section and click on the video that you want to check in. Then click on the "Check In" button.

<hr>

<h3>Description</h3>

This on-line application is used for keeping track of customers and videos. This is used to keep track of which customers, have what videos, checked-out. When a customer wants to check-out, or check-in a video, this on-line application can be used.

<hr>

<h3>Navigation</h3>

Navigation of this site has been kept easy for simplicity. You start at the main log-on screen. Once you are logged in simply click on the different sections of the blue image at the top of the screen.

<hr>

<h3>Technical</h3>

This video store database project is used to store customer and video information. These web pages are tied into a database. By using the web pages customer and video information can be stored in the database for later retrieval. The database consists of four tables. One table stores the customer information
The second table stores the information about the videos themselves. The video table stores information such as:

<ul>
<li>Video Title</li>
<li>Rating</li>
<li>Genre</li>
<li>Price</li>
</ul>

The other two tables are used to store information that ties the two tables together. When a video is checked-out by a customer then the tables store the time/date the video was checked-out.

For more information about this site send an email to louisja@email.uc.edu.
C.4 newuser.html

<html>
<head>
<title>Video Store Database - New User</title>
</head>
<body background="/jlouis_video/images/background.gif">
<script LANGUAGE="JavaScript">
function checkform (thisform) {
        //
        if (thisform.UserName.value == null || thisform.UserName.value == "") {
                alert ("You must specify a User Name.")
                thisform.UserName.focus() ;
                return false;
        }
        if (thisform.Password.value == null || thisform.Password.value == "") {
                alert ("You must specify a Password.")
                thisform.Password.focus() ;
                return false;
        }
        if (thisform.CPassword.value == null || thisform.CPassword.value == "") {
                alert ("You must specify a Confirm Password.")
                thisform.CPassword.focus() ;
                return false;
        }
        if (thisform.Password.value != thisform.CPassword.value) {
                alert ("Your Password must be the same as your Confirm Password.")
                thisform.CPassword.focus() ;
                return false;
        }
        if (thisform.FirstName.value == null || thisform.FirstName.value == "") {
                alert ("You must specify your First Name.")
                thisform.FirstName.focus() ;
                return false;
        }
        if (thisform.LastName.value == null || thisform.LastName.value == "") {
                alert ("You must specify your Last Name.")
                thisform.LastName.focus() ;
                return false;
        }
        if (thisform.Address.value == null || thisform.Address.value == "") {
                alert ("You must specify your Address.")
                thisform.Address.focus() ;
                return false;
        }
    </script>
</body>
</html>
if (thisform.City.value == null || thisform.City.value == "") {
    alert("You must specify your City.");
    thisform.City.focus();
    return false;
}
if (thisform.State.value == null || thisform.State.value == "") {
    alert("You must specify your State.");
    thisform.State.focus();
    return false;
}
if (thisform.Zip.value == null || thisform.Zip.value == "") {
    alert("You must specify your Zip.");
    thisform.Zip.focus();
    return false;
}
</script>

<map NAME="NavMap">
    <area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
    <area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
    <area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
    <area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
    <area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
    <area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
    <area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="newuser.asp" onSubmit="return checkform(this)">
    <h1 align="center">Video Store Database Project</h1>
    <center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap" width="500" height="100"></center>
    <h2 align="center">Create New User Account</h2>
    <br>
    <table align="center">
        <tr>
            <td><b>Username:</b></td>
            <td><input id="UserName" name="UserName" size="8" maxlength="8"></td>
        </tr>
    </table>
</form>
<p>| <strong>Password:</strong> | &lt;input id=&quot;Password&quot; name=&quot;Password&quot; type=&quot;password&quot; size=&quot;15&quot; maxlength=&quot;15&quot; /&gt; |
| <strong>Confirm Password:</strong> | &lt;input id=&quot;CPassword&quot; name=&quot;CPassword&quot; type=&quot;password&quot; size=&quot;15&quot; maxlength=&quot;15&quot; /&gt; |
| <strong>First Name:</strong> | &lt;input id=&quot;FirstName&quot; name=&quot;FirstName&quot; size=&quot;20&quot; maxlength=&quot;20&quot; /&gt; |
| <strong>Last Name:</strong> | &lt;input id=&quot;LastName&quot; name=&quot;LastName&quot; size=&quot;20&quot; maxlength=&quot;20&quot; /&gt; |
| <strong>Street Address:</strong> | &lt;input id=&quot;Address&quot; name=&quot;Address&quot; size=&quot;30&quot; maxlength=&quot;30&quot; /&gt; |
| <strong>City:</strong> | &lt;input id=&quot;City&quot; name=&quot;City&quot; size=&quot;20&quot; maxlength=&quot;20&quot; /&gt; |
| <strong>State:</strong> | &lt;input id=&quot;State&quot; name=&quot;State&quot; size=&quot;2&quot; maxlength=&quot;2&quot; /&gt; |
| <strong>Zip Code:</strong> | &lt;input id=&quot;Zip&quot; name=&quot;Zip&quot; size=&quot;10&quot; maxlength=&quot;10&quot; /&gt; |
| <strong>Email Address:</strong> | 84 |</p>
<table>
<thead>
<tr>
<th>Email</th>
<th>Create Account</th>
<th>Reset</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;input id=&quot;Email&quot; name=&quot;Email&quot; size=&quot;30&quot; maxlength=&quot;30&quot;&gt;</td>
<td>&lt;input id=&quot;submit&quot; name=&quot;submit&quot; type=&quot;submit&quot; value=&quot;Create Account&quot;&gt;</td>
<td>&lt;input type=&quot;reset&quot; value=&quot;Reset&quot; id=&quot;reset&quot; name=&quot;reset&quot;&gt;</td>
</tr>
</tbody>
</table>

</form>
C.5 newuser.asp

<%@ Language=VBScript %>
<html>
<head>
<title>Video Store Database - New User Created</title>
</head>
<body background="/jlouis_video/images/background.gif">

<UserName=Request.Form("UserName") %>
<% Password=Request.Form("Password") %>
<% FirstName=Request.Form("FirstName") %>
<% LastName=Request.Form("LastName") %>
<% Address=Request.Form("Address") %>
<% City=Request.Form("City") %>
<% State=Request.Form("State") %>
<% Zip=Request.Form("Zip") %>
<% Email=Request.Form("Email") %>
<% CheckOut="No" %>

' declaring variables
Dim DataConn
Dim CmdAddRecord
Dim MYSQL

Set DataConn = Server.CreateObject("ADODB.Connection")
Set CmdAddRecord = Server.CreateObject("ADODB.Recordset")

' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("./_database/database.mdb") & ";Driver={Microsoft Access Driver (*.mdb)};"

MYSQL = "SELECT customer.* FROM customer"

CmdAddRecord.Open MYSQL, DataConn, 1, 3

CmdAddRecord.AddNew
CmdAddRecord.Fields("UserName") = UserName
CmdAddRecord.Fields("UserPasswd") = Password
CmdAddRecord.Fields("FirstName") = FirstName
CmdAddRecord.Fields("LastName") = LastName
CmdAddRecord.Fields("StreetAddress") = Address
CmdAddRecord.Fields("City") = City
CmdAddRecord.Fields("State") = State
CmdAddRecord.Fields("ZipCode") = Zip
CmdAddRecord.Fields("CheckOut") = CheckOut
CmdAddRecord.Fields("EmailAddress") = Email
CmdAddRecord.Update

' closing objects and setting them to nothing
' not neccesary but a good habit
CmdAddRecord.Close
Set CmdAddRecord = Nothing
DataConn.Close
Set DataConn = Nothing
%

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<h1 align="center">Video Store Database Project</h1>
<center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap"></center>

<h2 align="center">User Created</h2>
<br/>
<table align="center">
<tr>
<td><b>The new user has been successfully created!</b></td>
</tr>
<tr>
<td><a href="/jlouis_video/">Click here to log in.</a></td>
</tr>
</table>
C.6 updateuser.asp

<%  
Check=Request.Cookies("uid")  
if Check = "" then  
    Response.Redirect ("/jlouis_video/")  
end if  
%>

<%  
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis; PWD=password; Database=jlouis_video"  
Set ObjConn = Server.CreateObject ("ADODB.Connection")  
Set ObjCmd = Server.CreateObject ("ADODB.Command")  
Set objParam = Server.CreateObject ("ADODB.Parameter")  
Set objRst = Server.CreateObject ("ADODB.Recordset")  
' Sets up variable to retrieve data from DB connection  
Set CmdPopulateDB = Server.CreateObject("ADODB.Recordset")  

objConn.Open strDSN  

UserName=Request.Cookies("uid")  

' Retrieves data from DB connection and assigns it to a variable  
SQL="SELECT FirstName, LastName, UserPasswd, StreetAddress, City, State, ZipCode, EmailAddress FROM Customer where UserName=" & UserName & ""  
CmdPopulateDB.Open SQL, ObjConn  
%>

<html>  
<head>  
<title>Video Store Database - Update User</title>  
</head>  

<script LANGUAGE="JavaScript">  
function checkform (thisform) {  
    //  
    if (thisform.UserName.value == null || thisform.UserName.value == "") {  
        alert ("You must specify a User Name.")  
        thisform.UserName.focus() ;  
        return false;  
    }  
    if (thisform.Password.value == null || thisform.Password.value == "") {  
        alert ("You must specify a Password.")  
        thisform.Password.focus() ;  
    }  
</script>
return false;
}
if (thisform.CPassword.value == null || thisform.CPassword.value == "") {
    alert("You must specify a Confirm Password.")
    thisform.CPassword.focus() ;
    return false;
}
if (thisform.Password.value != thisform.CPassword.value) {
    alert("Your Password must be the same as your Confirm Password.")
    thisform.CPassword.focus() ;
    return false;
}
if (thisform.FirstName.value == null || thisform.FirstName.value == "") {
    alert("You must specify your First Name.")
    thisform.FirstName.focus() ;
    return false;
}
if (thisform.LastName.value == null || thisform.LastName.value == "") {
    alert("You must specify your Last Name.")
    thisform.LastName.focus() ;
    return false;
}
if (thisform.Address.value == null || thisform.Address.value == "") {
    alert("You must specify your Address.")
    thisform.Address.focus() ;
    return false;
}
if (thisform.City.value == null || thisform.City.value == "") {
    alert("You must specify your City.")
    thisform.City.focus() ;
    return false;
}
if (thisform.State.value == null || thisform.State.value == "") {
    alert("You must specify your State.")
    thisform.State.focus() ;
    return false;
}
if (thisform.Zip.value == null || thisform.Zip.value == "") {
    alert("You must specify your Zip.")
    thisform.Zip.focus() ;
    return false;
}
</script>

<body background="/jlouis_video/images/background.gif">
<table align="center">
<tr>
<td><b>First Name:</b></td>
<td><input type="text" id="FirstName" name="FirstName" size="20" maxlength="20" value=""><% Response.Write CmdPopulateDB("FirstName") %"></input>
</td>
</tr>
<tr>
<td><b>Last Name:</b></td>
<td><input type="text" id="LastName" name="LastName" size="20" maxlength="20" value=""><% Response.Write CmdPopulateDB("LastName") %"></input>
</td>
</tr>
<tr>
<td><b>Username:</b></td>
<td><input type="text" id="Username" name="Username" size="20" maxlength="20" value=""><% Response.Write CmdPopulateDB("Username") %"></input>
</td>
</tr>
</table>
<input type="text" id="UserName" name="UserName" size="8" maxlength="8" value="<% Response.Write UserName %>">
</td>
</tr>
<tr>
<td><b>Password:</b></td>
<td>
<input type="password" id="Password" name="Password" size="15" maxlength="15" value="<% Response.Write CmdPopulateDB("UserPasswd") %>">
</td>
</tr>
<tr>
<td><b>Confirm Password:</b></td>
<td>
<input type="password" id="CPassword" name="CPassword" size="15" maxlength="15" value="<% Response.Write CmdPopulateDB("UserPasswd") %>">
</td>
</tr>
<tr>
<td><b>Street Address:</b></td>
<td>
<input type="text" id="Address" name="Address" size="30" maxlength="30" value="<% Response.Write CmdPopulateDB("StreetAddress") %>">
</td>
</tr>
<tr>
<td><b>City:</b></td>
<td>
<input type="text" id="City" name="City" size="20" maxlength="20" value="<% Response.Write CmdPopulateDB("City") %>">
</td>
</tr>
<tr>
<td><b>State:</b></td>
<td>
<input type="text" id="State" name="State" size="2" maxlength="2" value="<% Response.Write CmdPopulateDB("State") %>">
</td>
</tr>
| Zip Code: | <input type="text" id="Zip" name="Zip" size="10" maxlength="10" value="<% Response.Write(CmdPopulateDB("ZipCode")) %>"/>
| Email Address: | <input type="text" id="Email" name="Email" size="30" maxlength="30" value="<% Response.Write(CmdPopulateDB("EmailAddress")) %>"/>
| Submit | <input type="submit" value="Submit" id="submit" name="submit"/>
|  | <td colspan="2"></td>
C.7 updateuserresponse.asp

<% 
Check=Request.Cookies("uid") 
if Check = "" then 
    Response.Redirect("/jlouis_video/") 
end if 
%>

<html>
<head>
<title>Video Store Database - Update User Response</title>
</head>
<body background="/jlouis_video/images/background.gif">

<% UserName=Request.Form("UserName") %>
<% Password=Request.Form("Password") %>
<% FirstName=Request.Form("FirstName") %>
<% LastName=Request.Form("LastName") %>
<% Address=Request.Form("Address") %>
<% City=Request.Form("City") %>
<% State=Request.Form("State") %>
<% Zip=Request.Form("Zip") %>
<% Email=Request.Form("Email") %>

<% 
' declaring variables
Dim DataConn
Dim CmdAddRecord
Dim MYSQL

Set DataConn = Server.CreateObject("ADODB.Connection")
Set CmdUpdateRecord = Server.CreateObject("ADODB.Recordset")

' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("./_database/database.mdb") & 
";Driver={Microsoft Access Driver (*.mdb)};"
MYSQL = "SELECT customer.* FROM customer where UserName='' & UserName & 
"""

CmdUpdateRecord.Open MYSQL, DataConn, 1, 3

' CmdAddRecord.AddNew
CmdUpdateRecord.Fields("UserName") = UserName

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CmdUpdateRecord.Fields("UserPasswd") = Password
CmdUpdateRecord.Fields("FirstName") = FirstName
CmdUpdateRecord.Fields("LastName") = LastName
CmdUpdateRecord.Fields("StreetAddress") = Address
CmdUpdateRecord.Fields("City") = City
CmdUpdateRecord.Fields("State") = State
CmdUpdateRecord.Fields("ZipCode") = Zip
CmdUpdateRecord.Fields("EmailAddress") = Email
CmdUpdateRecord.Update

' closing objects and setting them to nothing
' not neccessary but a good habit
CmdUpdateRecord.Close
Set CmdUpdateRecord = Nothing
DataConn.Close
Set DataConn = Nothing
%

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<h1 align="center">Video Store Database Project</h2>

<center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap"></center>

<h2 align="center">User Updated</h2>

<br>

<table align="center">
<tr>
<td><b>The user has been updated successfully!</b></td>
</tr>
</table>
<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Click here to view the updated</td>
</tr>
<tr>
<td>user.</td>
</tr>
</tbody>
</table>

</table>
</body>
</html>
C.8 checkout.asp

<%
Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect("/jlouis_video/")
end if
%

<%
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis; PWD=password; Database=jlouis_video"

Set ObjConn = Server.CreateObject("ADODB.Connection")
Set ObjCmd = Server.CreateObject("ADODB.Command")
Set objParam = Server.CreateObject("ADODB.Parameter")
Set objRst = Server.CreateObject("ADODB.Recordset")
' Sets up variable to retrieve data from DB connection
Set CmdPopulateDB = Server.CreateObject("ADODB.Recordset")

objConn.Open strDSN

UserName=Request.Cookies("uid")

' Retrieves data from DB connection and assigns it to a variable
SQL="SELECT VideoTitle, VideoCategory, VideoRating FROM Videos where CheckedOut='No'"
CmdPopulateDB.Open SQL, ObjConn
%

<html>
<head>
<title>Video Store Database - Check Out</title>
</head>

<script LANGUAGE="JavaScript">
function checkform (thisform) {
    if (thisform.VideoTitle.value == "") {
        alert("You must select a title in order to check out a video.")
        thisform.VideoTitle.focus() ;
        return false;
    }
}
</script>

<body background="/jlouis_video/images/background.gif">
<map NAME="NavMap">
  <area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
  <area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
  <area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
  <area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
  <area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
  <area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
  <area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="checkoutresponse.asp">
  <h1 align="center">Video Store Database Project</h1>
  <center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap" width="500" height="100"></center>
  <h2 align="center">Check Out</h2>
  <br>
  <table align="center">
    <tr>
      <td width="130"><b>Title:</b></td>
      <td width="75"><b>Rating:</b></td>
      <td width="100"><b>Category:</b></td>
    </tr>
    <tr>
      <td colspan=3><hr></td>
    </tr>
    <tr>
      <td colspan="1">
        <% Response.Write "<SELECT size=10 id=VideoTitle name=VideoTitle>
        do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
        Response.Write "<OPTION>" & CmdPopulateDB("VideoTitle")& "</OPTION>"
        CmdPopulateDB.MoveNext
        loop
        CmdPopulateDB.MoveNext
        Response.Write "</SELECT>" %>
      </td>
    </tr>
  </table>
</form>

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<td align=top>
<% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<b>" & CmdPopulateDB("VideoRating")& "</b><BR>
CmdPopulateDB.MoveNext
loop
CmdPopulateDB.MoveFirst %>
</td>

<td align=top>
<% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<b>" & CmdPopulateDB("VideoCategory")& "</b><BR>
CmdPopulateDB.MoveNext
loop
CmdPopulateDB.MoveFirst %>
</td>
</tr>
<tr>
<td><b>Order Date:</b></td>
<td><b><% Response.Write (Date) %></b><input name="OrderDate" type="hidden" size="10" maxsize="10" value="<% Response.Write (Date) %>"></td>
</tr>
<tr>
<td><b>Order Time:</b></td>
<td><b><% Response.Write (Time) %></b><input name="OrderTime" type="hidden" size="10" maxsize="10" value="<% Response.Write (Time) %>"></td>
</tr>
<tr>
<td align=center><input id="submit" name="submit" type="submit" value=" Check Out ">
</td>
</tr>
</table>
</body>
</html>
C.9 checkoutresponse.asp

<% Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect ("/jlouis_video/")
end if
%

<html>
<head>
<title>Video Store Database - Check Out Response</title>
</head>
<body background="/jlouis_video/images/background.gif">

 <% VideoTitle=Request.Form("VideoTitle") %>
 <% OrderDate=Request.Form("OrderDate") %>
 <% OrderTime=Request.Form("OrderTime") %>
 <% CheckedOut="Yes" %>
 <% CheckOut="Yes" %>
 <% UserName=Request.Cookies("uid") %>

<%
' declaring variables
Dim DataConn
Dim CmdUpdateRecord
Dim CmdUpdateRecord2
Dim MYSQL

Set DataConn = Server.CreateObject("ADODB.Connection")
Set CmdUpdateRecord = Server.CreateObject("ADODB.Recordset")
Set CmdUpdateRecord2 = Server.CreateObject("ADODB.Recordset")
Set CmdAddRecord = Server.CreateObject("ADODB.Recordset")
Set CmdAddRecord2 = Server.CreateObject("ADODB.Recordset")

' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("../_database/database.mdb") & ";Driver={Microsoft Access Driver (*.mdb)};"

MYSQL = "SELECT * FROM Videos where VideoTitle=" & VideoTitle & ""
MYSQL2 = "SELECT * FROM Customer where UserName=" & UserName & ""
MYSQL3 = "SELECT * FROM Orders"
MYSQL4 = "SELECT * FROM OrderDetails"

CmdUpdateRecord.Open MYSQL, DataConn, 1, 3
CmdUpdateRecord2.Open MYSQL2, DataConn, 1, 3
CmdAddRecord.Open MYSQL3, DataConn, 1, 3
CmdAddRecord2.Open MYSQL4, DataConn, 1, 3

' This retrieves the CustomerID from the Customer table for the user that is loged in. 
CustomerID = CmdUpdateRecord2.Fields("CustomerID")

' This retrieves the VideoID from the Videos table for the video that was selected for check out. 
VideoID = CmdUpdateRecord.Fields("VideoID")

' CmdUpdateRecord Update 
CmdUpdateRecord.Fields("CheckedOut") = CheckedOut 
CmdUpdateRecord.Update 
CmdUpdateRecord.Close

' CmdUpdateRecord2 Update 
CmdUpdateRecord2.Fields("CheckOut") = CheckOut 
CmdUpdateRecord2.Update 
CmdUpdateRecord2.Close

' CmdAddRecord Add 
CmdAddRecord.AddNew 
CmdAddRecord.Fields("CustomerID") = CustomerID 
CmdAddRecord.Fields("OrderDate") = OrderDate 
CmdAddRecord.Fields("OrderTime") = OrderTime 
CmdAddRecord.Update 
' This retrieves the OrderID from the Orders table for the order that was just created. 
OrderID = CmdAddRecord.Fields("OrderID")
CmdAddRecord.Close

' CmdAddRecord2 Add 
CmdAddRecord2.AddNew 
CmdAddRecord2.Fields("OrderID") = OrderID 
CmdAddRecord2.Fields("VideoID") = VideoID 
CmdAddRecord2.Update 
CmdAddRecord2.Close

' closing objects and setting them to nothing 
' not neccesary but a good habit 
Set CmdUpdateRecord = Nothing 
DataConn.Close 
Set DataConn = Nothing 
%>

<map NAME="NavMap">
The video has been checked out successfully!

Click here to view the videos you have checked out.

Check out another video.
C.10 checkin.asp

<%
Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect ("/jlouis_video/"")
end if
%

<%
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis;
PWD=password; Database=jlouis_video"
Set ObjConn = Server.CreateObject ("ADODB.Connection")
Set ObjCmd = Server.CreateObject ("ADODB.Command")
Set objParam = Server.CreateObject ("ADODB.Parameter")
Set objRst = Server.CreateObject ("ADODB.Recordset")
' Sets up variable to retrieve data from DB connection
Set CmdPopulateDB = Server.CreateObject("ADODB.Recordset")
Set CmdPopulateDB2 = Server.CreateObject("ADODB.Recordset")

objConn.Open strDSN

UserName=Request.Cookies("uid")
CheckOut="Yes"
CheckedOut="Yes"

SQL2="SELECT CustomerID from Customer WHERE USERNAME=" & UserName & ""
CmdPopulateDB2.Open SQL2, ObjConn
CustomerID = CmdPopulateDB2.Fields("CustomerID")

CmdPopulateDB.Open SQL, ObjConn
Retrieves data from DB connection and assigns it to a variable
SQL="SELECT * FROM Videos where CheckedOut='' & CheckedOut & ''"
CmdPopulateDB.Open SQL, ObjConn

<html>
<head>
<title>Video Store Database - Check In</title>
</head>

<script LANGUAGE="JavaScript">
function checkform (thisform) {
    if (thisform.VideoTitle.value == null || thisform.VideoTitle.value == '') {
        alert ("You must select a title in order to check in a video.")
        thisform.VideoTitle.focus()
        return false;
    }
}
</script>

<body background="/jlouis_video/images/background.gif">

<map NAME="NavMap">
    <area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
    <area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
    <area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
    <area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
    <area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
    <area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
    <area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="checkinresponse.asp">
<h1 align="center">Video Store Database Project</h1>
<center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap" width="500" height="100"></center>
<h2 align="center">Check In</h2>
</form>


<table>
<thead>
<tr>
<th>Title</th>
<th>Rating</th>
<th>Category</th>
</tr>
</thead>
</table>
|<br> | <b>
|<br> | <b>|
|<br> | <b>|
|<br> | <b>|

<tr>
<td colspan=3><hr></td>
</tr>

<tr><td colspan=3><SELECT size=10 id=VideoTitle name=VideoTitle><% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF Response.Write "<OPTION>" & CmdPopulateDB("VideoTitle") & "</OPTION>" CmdPopulateDB.MoveNext loop %><% CmdPopulateDB.MoveFirst %></SELECT></td></tr>

<tr><td valign=top><% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF Response.Write "<b>" & CmdPopulateDB("VideoRating") & "</b><BR>" CmdPopulateDB.MoveNext loop %><% CmdPopulateDB.MoveFirst %></td></tr>

<tr><td valign=top><% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF Response.Write "<b>" & CmdPopulateDB("VideoCategory") & "</b><BR>" CmdPopulateDB.MoveNext loop %><% CmdPopulateDB.MoveFirst %></td></tr>

<tr><td align="center"><input id="submit" name="submit" type="submit" value=" Check In " /></td></tr>

</table>
</html>
C.11 checkinresponse.asp

<%  
Check=Request.Cookies("uid")  
if Check = "" then  
    Response.Redirect("/jlouis_video/")  
end if  
%>

<html>  
<head>  
<title>Video Store Database - Check In Response</title>  
</head>  
<body background="/jlouis_video/images/background.gif">  

<%  
VideoTitle=Request.Form("VideoTitle")  
CheckedOut="No"  
CheckOut="No"  
UserName=Request.Cookies("uid")  
%>

<%  
' Declare the Connection  
Dim DataConn  
' Declare the Records  
Dim CmdUpdateRecord  
Dim CmdUpdateRecord2  
Dim CmdSelectRecord  
Dim CmdDeleteRecord  
Dim CmdDeleteRecord2  
' Declare the SQL Statements  
Dim SQLSV  
Dim SQLSC  
Dim SQLSO  
Dim SQLDO  
Dim SQLDOD  
' Set the Connection  
Set DataConn = Server.CreateObject("ADODB.Connection")  
' Set the Records  
Set CmdUpdateRecord = Server.CreateObject("ADODB.Recordset")  
Set CmdUpdateRecord2 = Server.CreateObject("ADODB.Recordset")  
Set CmdSelectRecord = Server.CreateObject("ADODB.Recordset")  
Set CmdDeleteRecord = Server.CreateObject("ADODB.Recordset")  

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Set CmdDeleteRecord2 = Server.CreateObject("ADODB.Recordset")

' Establish the Connection
' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("./_database/database.mdb") & ";Driver={Microsoft Access Driver (*.mdb)};"

' Create the SQL statements
SQLSV = "SELECT * FROM Videos where VideoTitle='" & VideoTitle & "'
SQLSC = "SELECT * FROM Customer where UserName='" & UserName & ""

CmdUpdateRecord.Open SQLSV, DataConn, 1, 3
CmdUpdateRecord2.Open SQLSC, DataConn, 1, 3

' This retrieves the CustomerID from the Customer table for the user that is loged in.
CustomerID = CmdUpdateRecord2.Fields("CustomerID")

SQLSO = "SELECT * FROM Orders INNER JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID INNER JOIN Videos ON OrderDetails.VideoID = Videos.VideoID WHERE Videos.VideoTitle='" & VideoTitle & """
CmdSelectRecord.Open SQLSO, DataConn, 1, 3

' This retrieves the VideoID from the Videos table for the video that was selected for
check out.
VideoID = CmdUpdateRecord.Fields("VideoID")

' This retrieve the OrderID from the Orders table for the order that was just created.
OrderID = CmdSelectRecord.Fields("OrderID")

SQLDO = "DELETE FROM Orders WHERE OrderID='" & OrderID & ""
SQLDOD = "DELETE FROM OrderDetails WHERE OrderID='" & OrderID & ""

' Delete the Order from the OrderDetails table.
CmdDeleteRecord2.Open SQLDOD, DataConn

' Delete the Order from the Orders table.
CmdDeleteRecord.Open SQLDO, DataConn

' CmdUpdateRecord Update
CmdUpdateRecord.Fields("CheckedOut") = CheckedOut
CmdUpdateRecord.Update

' CmdUpdateRecord2 Update
CmdUpdateRecord2.Fields("CheckOut") = CheckOut
CmdUpdateRecord2.Update
' Close the objects that are opened
CmdUpdateRecord.Close
CmdUpdateRecord2.Close
CmdSelectRecord.Close
'CmdDeleteRecord.Close
'CmdDeleteRecord2.Close
Set CmdUpdateRecord = Nothing
DataConn.Close
Set DataConn = Nothing
%

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80" HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38" HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42" HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<h1 align="center">Video Store Database Project</h2>

<center><img src="/jlouis_video/images/map.gif" border="0" usemap="#NavMap"></center>

<h2 align="center">Video Checked In</h2>
<br>

<table align="center">
<tr>
<td><b>The video has been checked in successfully!</b></td>
</tr>
<tr>
<td><a href="/jlouis_video/checkin.asp"><b>Click here to check in another video.</b></a></td>
</tr>
<tr>
<td><a href="/jlouis_video/checkout.asp"><b>Check out a video.</b></a></td>
</tr>
</table>
C.12 logout.asp

<%
'Clear the cookie
Response.Cookies("uid") = ""

'Redirect user to the login page
Response.Redirect("/jlouis_video/")
%>
References


