Video Store

Java Unit 3 Project

## Ins-Pirate-D Video Store

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Contents

Setting up MSSQL Server 2008

In order for the project to be run correctly, the first priority is to set up the database that will handle all of the data required by the video store.

First copy the database file ("video_store.mdf"), and the database log file("video_store_log.ldf"). These files are the database which have already been created for you and can be found on the disc.
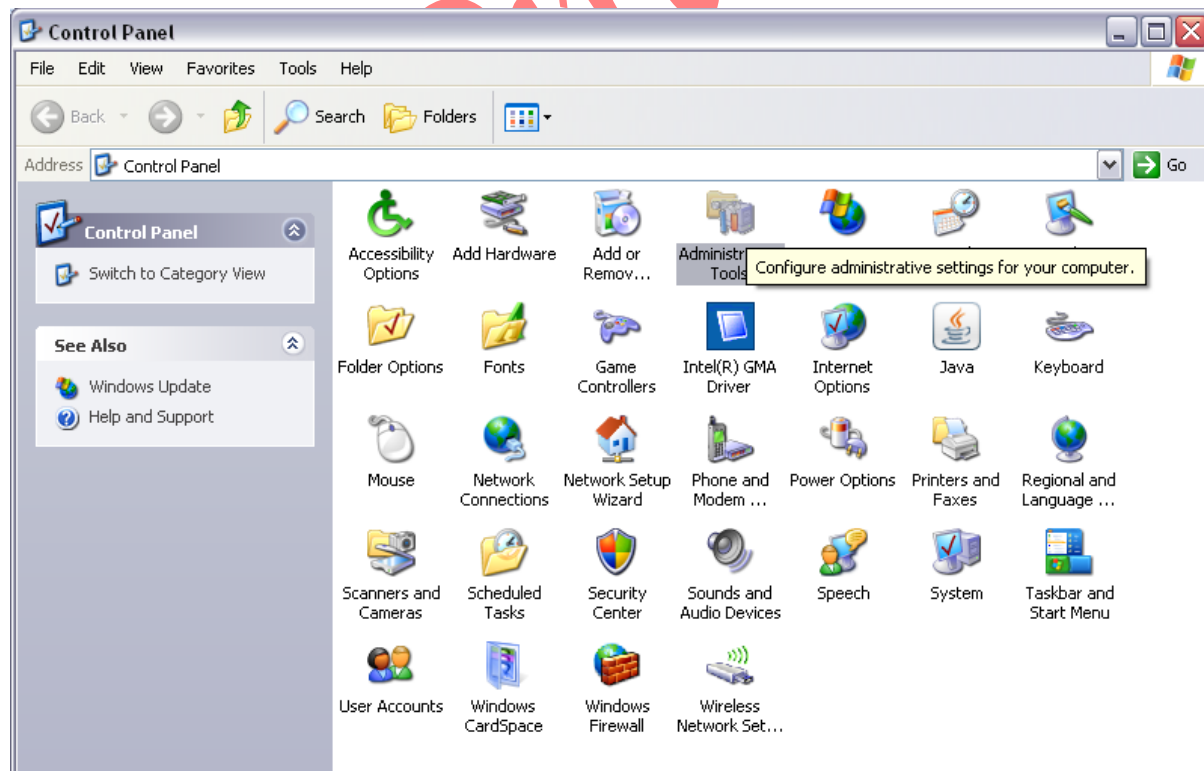
Copy the files onto your physical computer(preferably into your local disk area, as this is the easiest are to access for setup.)
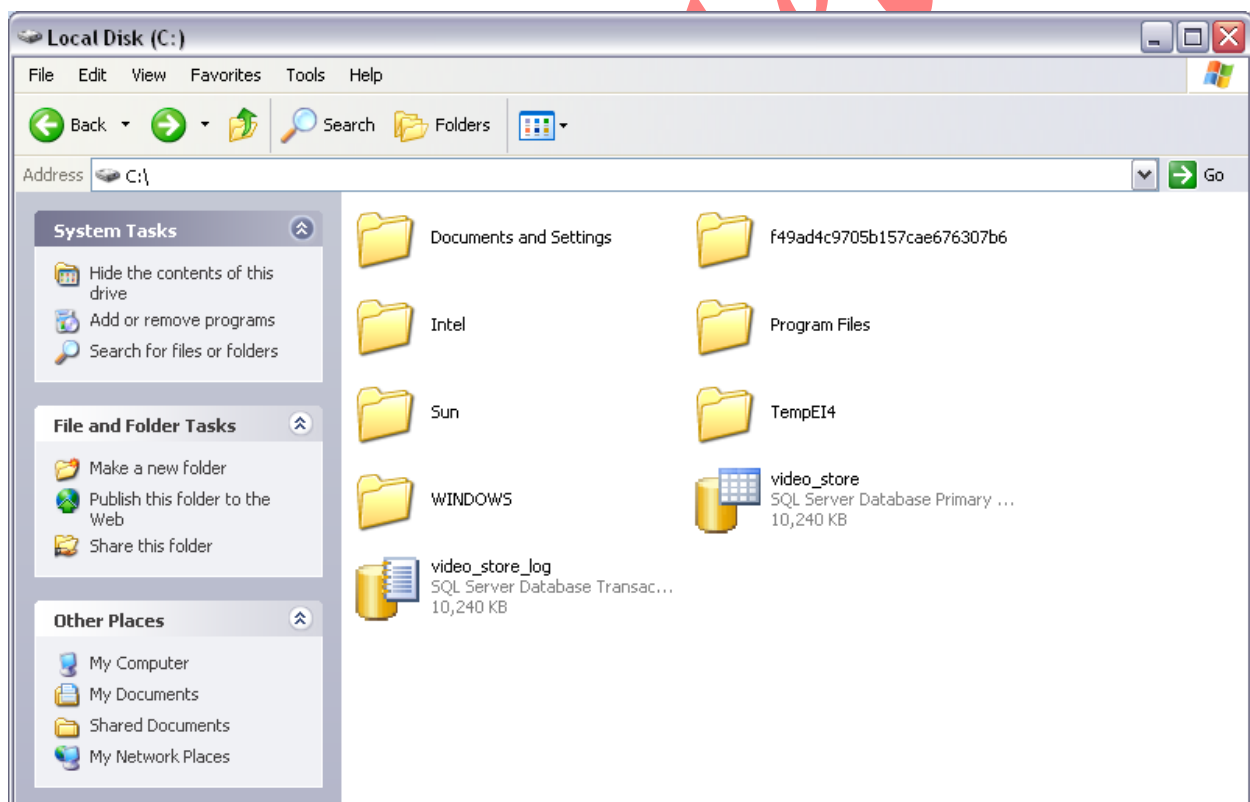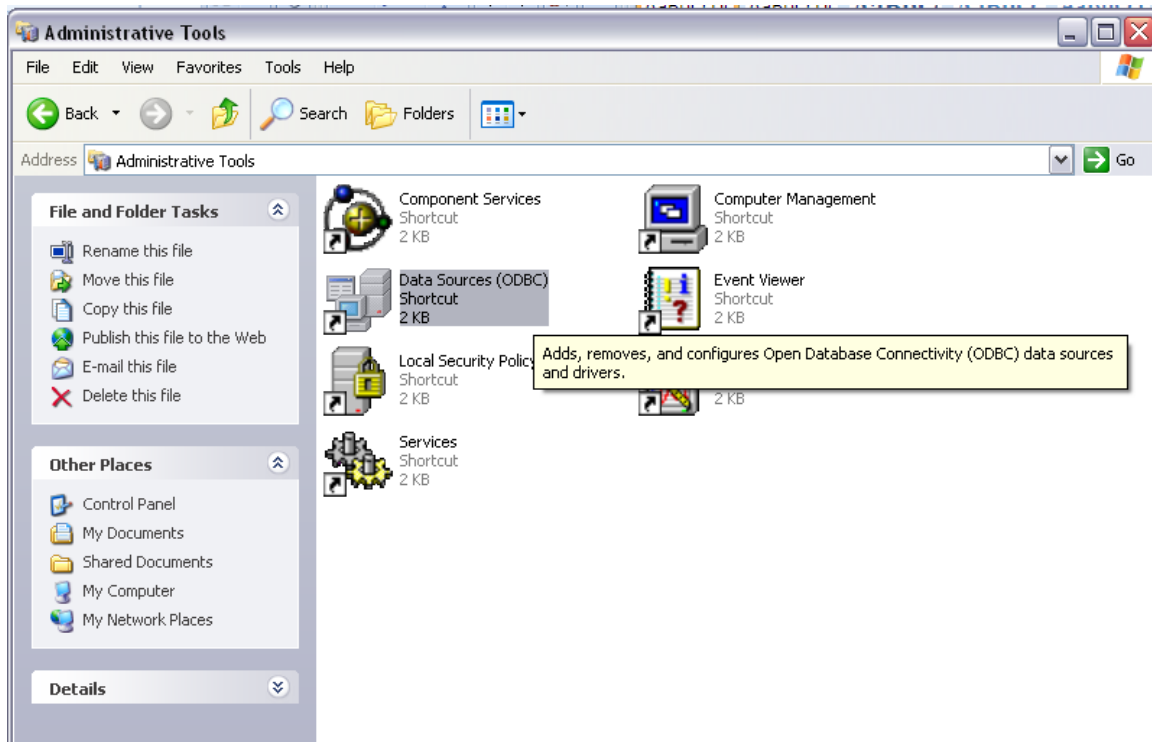
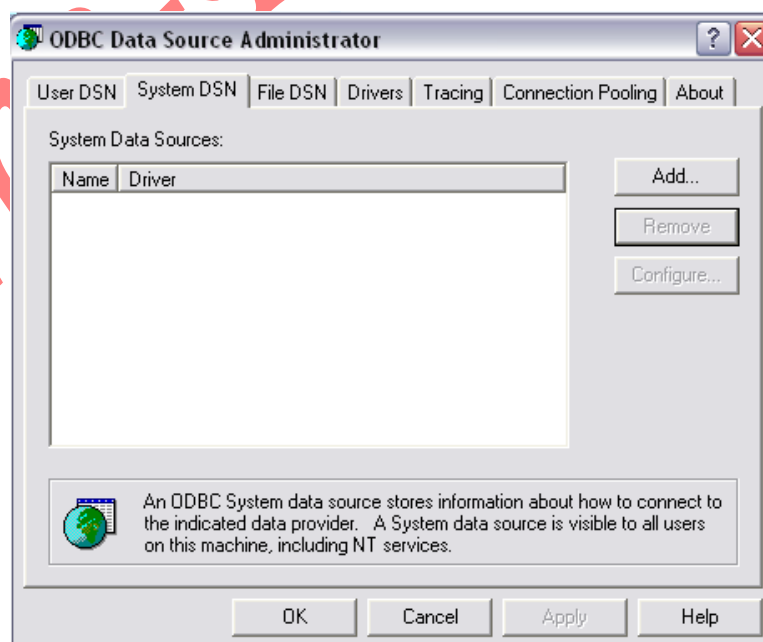# Once complete, proceed to the Start Menu -> select Control Panel

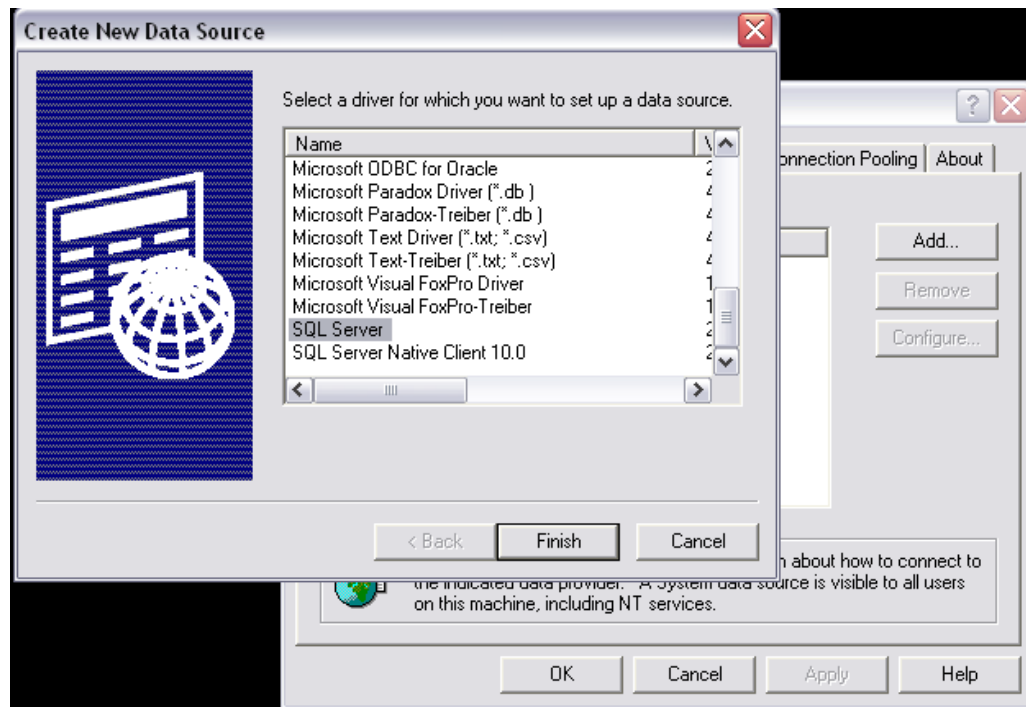# Thereafter select Administrative Tools

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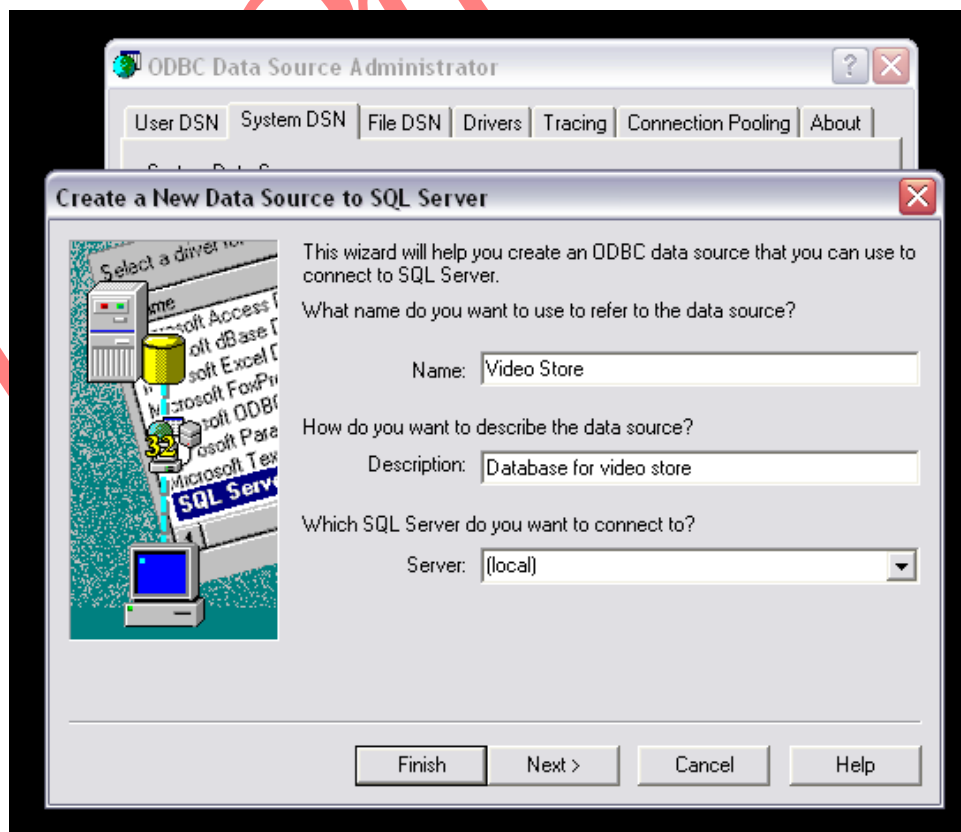Next select Data Sources (ODBC). This will be used to set the database connection on your physical computer.
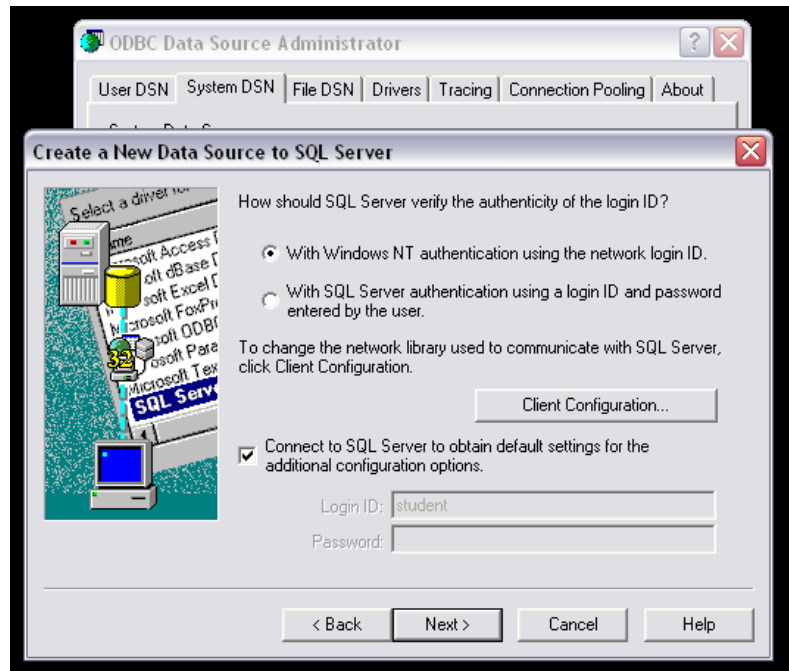

Click on the System DSN tab

Click on Add, then scroll down to SQL Server and click on Finish

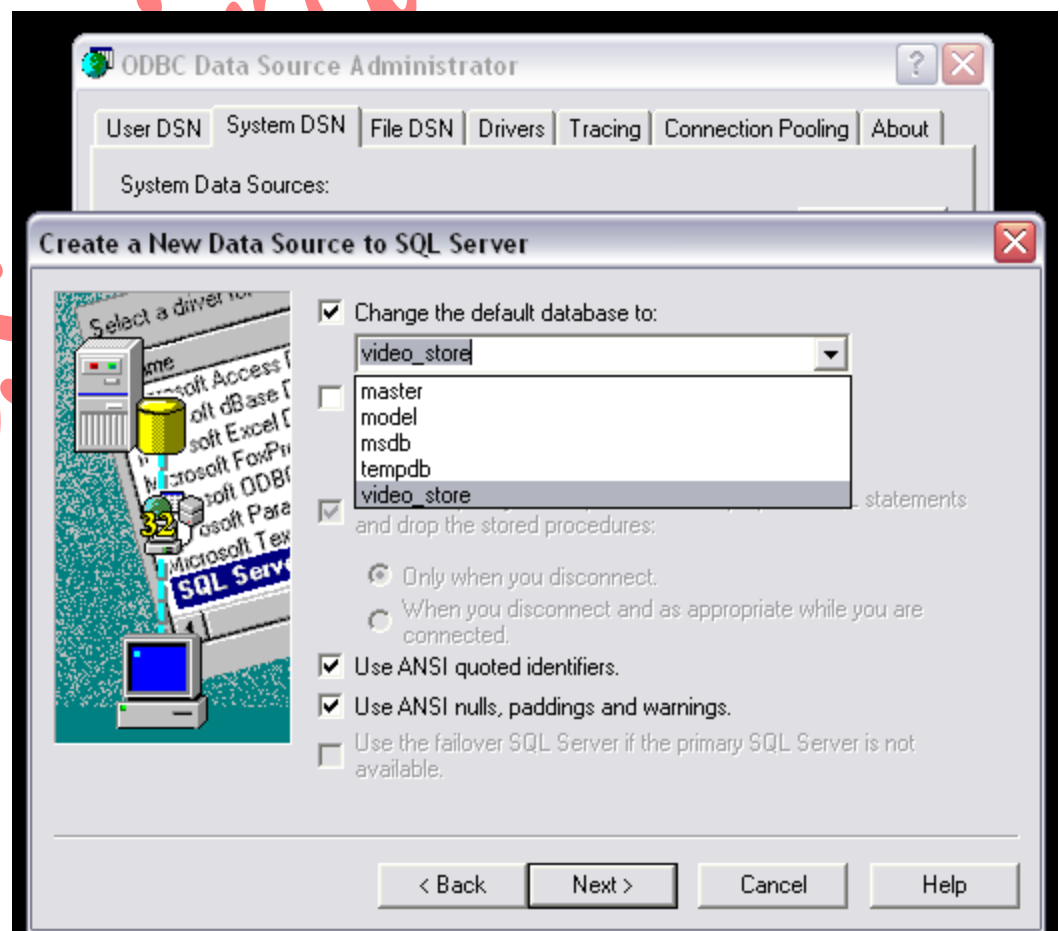Next fill in the details as shown below;

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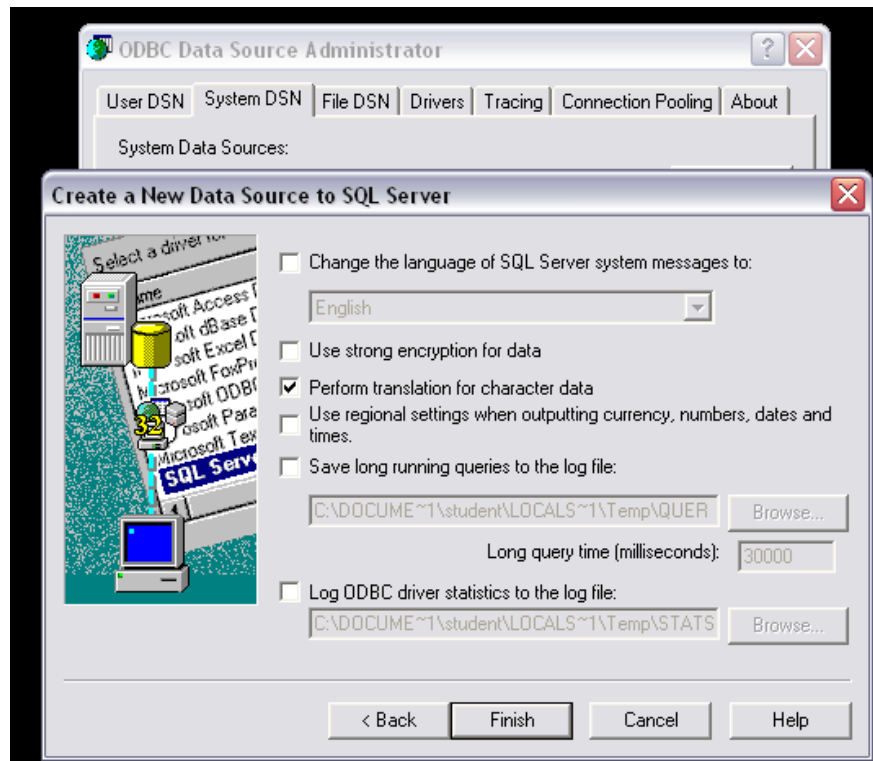Simply click next on the next screen, do not alter any of the fields

Next tick the

'Change the default database to' -> and choose video_store
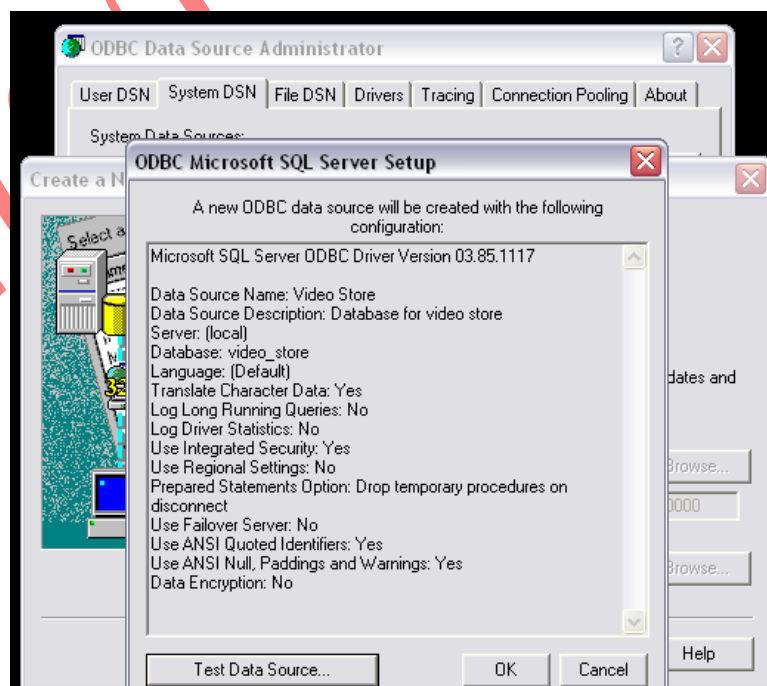
Thereafter just click on Next

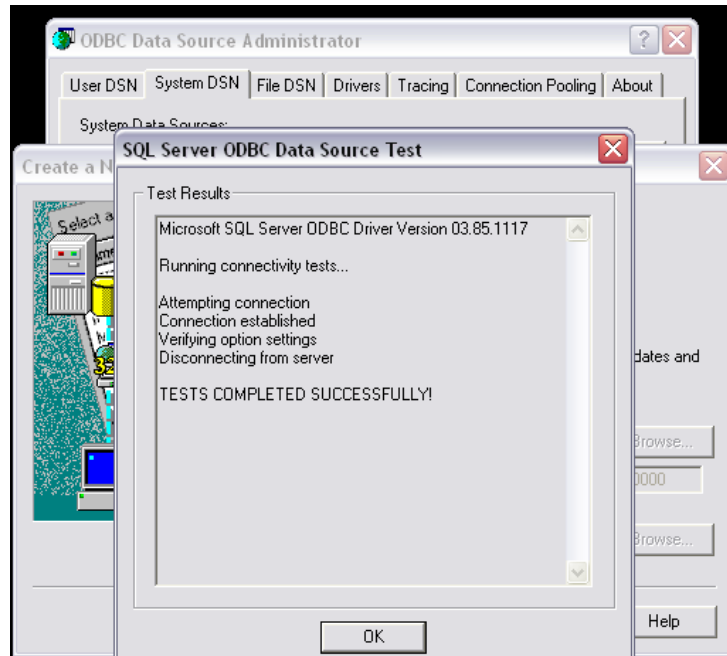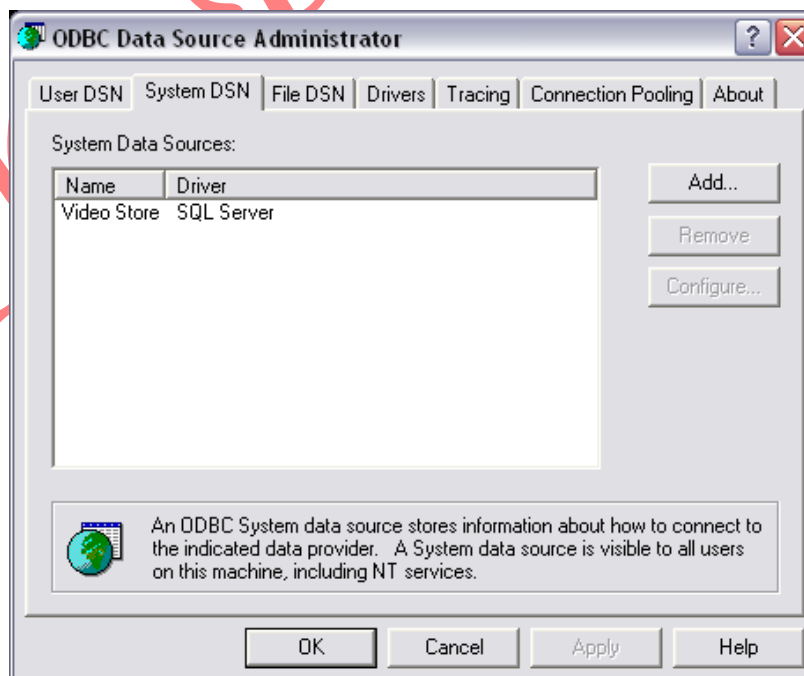Click Finish at the next screen, as no other information needs to edited

After clicking Finish, click on Test Data Source

If all the setup steps were followed correctly, the test should complete successfully. Click Ok

Then click Ok again, and if all was succesful the System Data Sources will show the Video Store as a source, click ok` to exit.
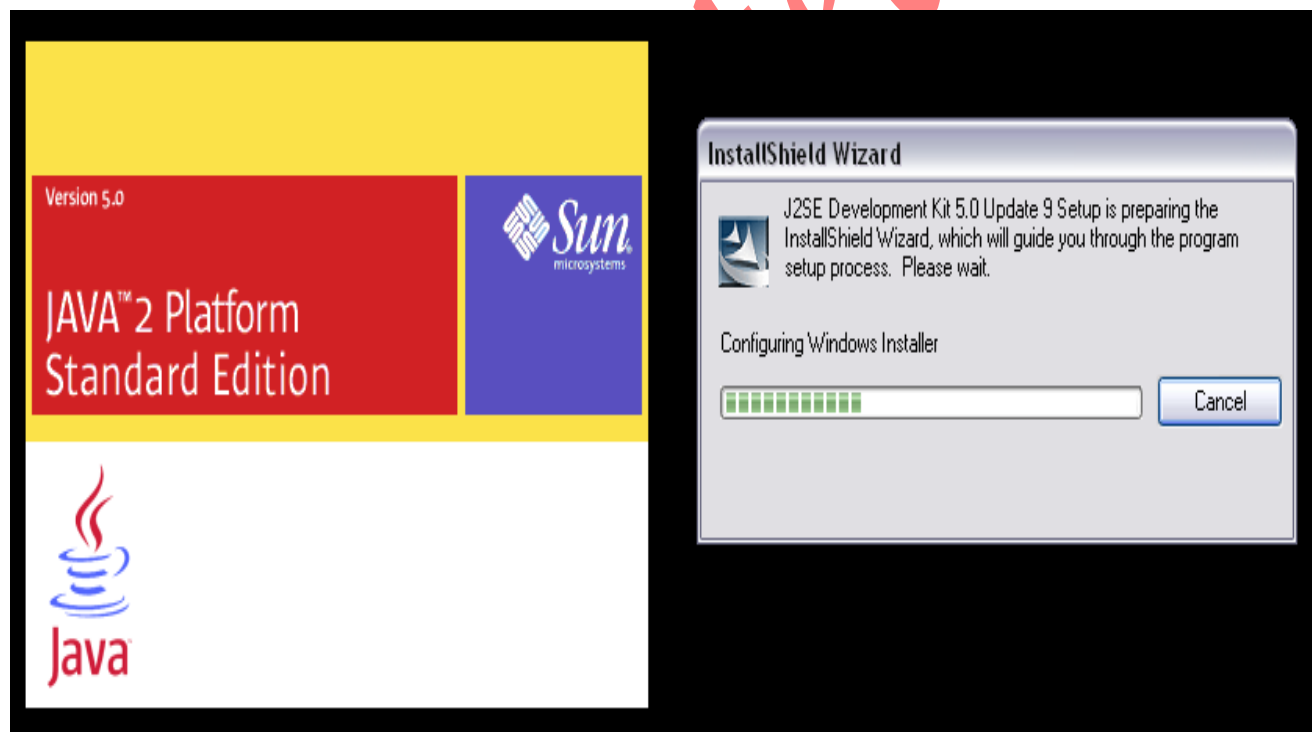
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Setting up Java Runtime Environment(JRE)

In order for these applications to run correctly your java applications need to be installed and configured properly.
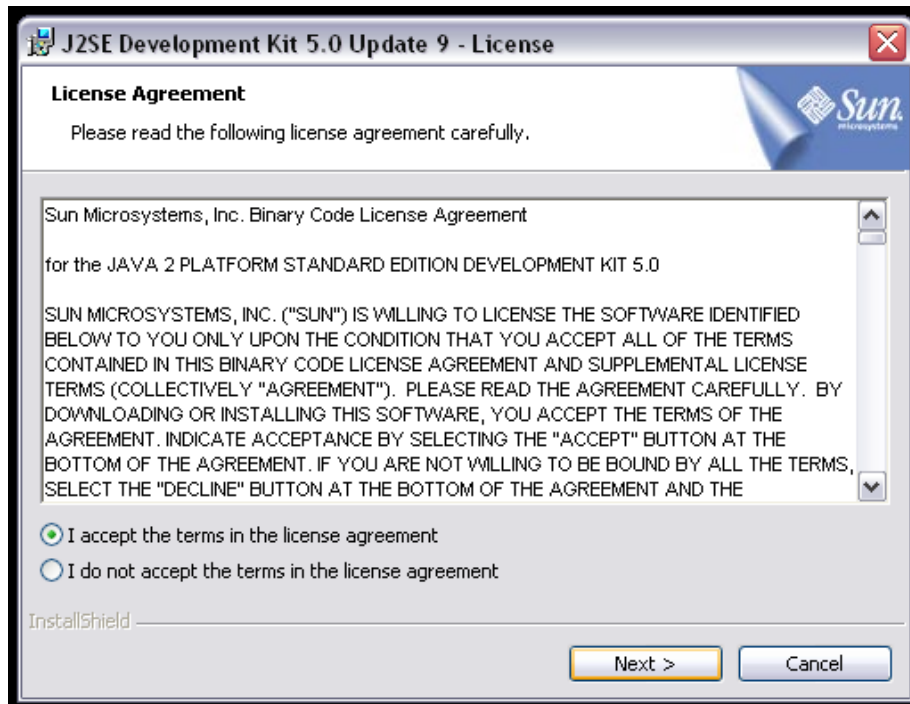
Installing the Java Development Kit includes the Java Runtime Environment as well.

First run the setup file that is provided on the Project disc
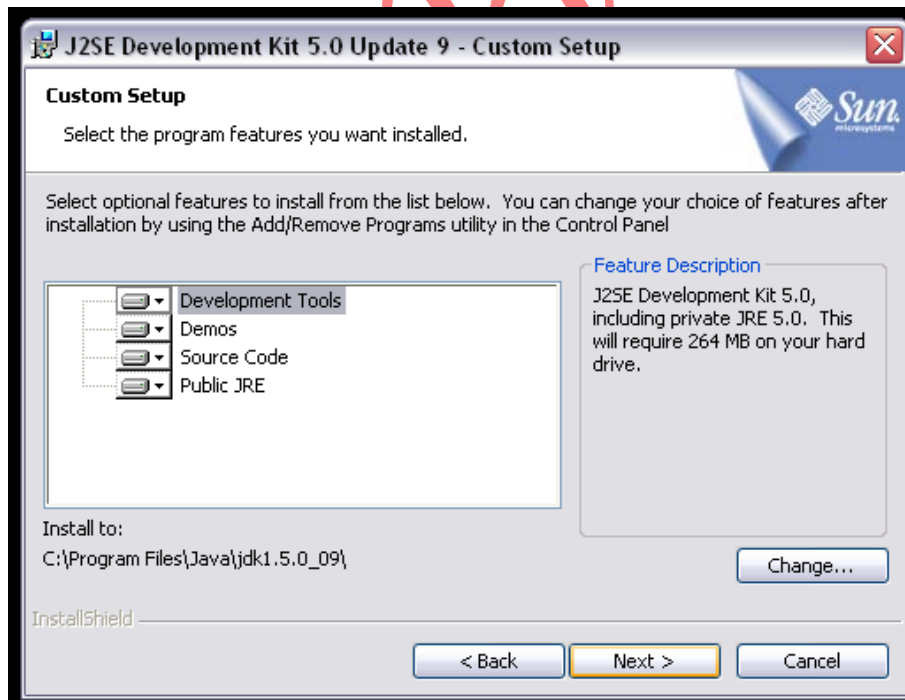
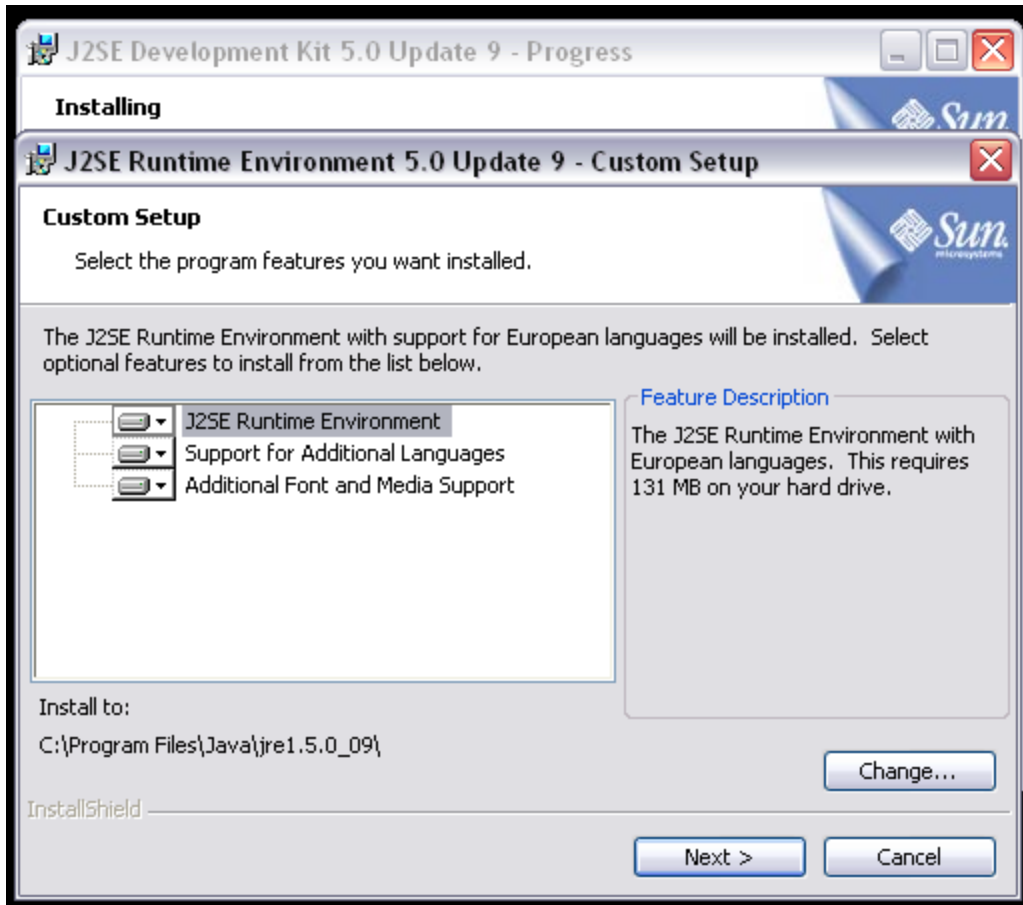"jdk-1_5_0_09-windows-i586-p.exe"

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Next you agree to the license agreement and click next

Once next is clicked the following is shown click next again

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Thereafter you will be asked to specify the location of the installation of the Java Runtime Environment. Dont change anything just press next to continue the installation

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Next you will be asked to what you want the Java plug-in to be associated with. Just click next, as this is optional, and not essential for the correct running of this program
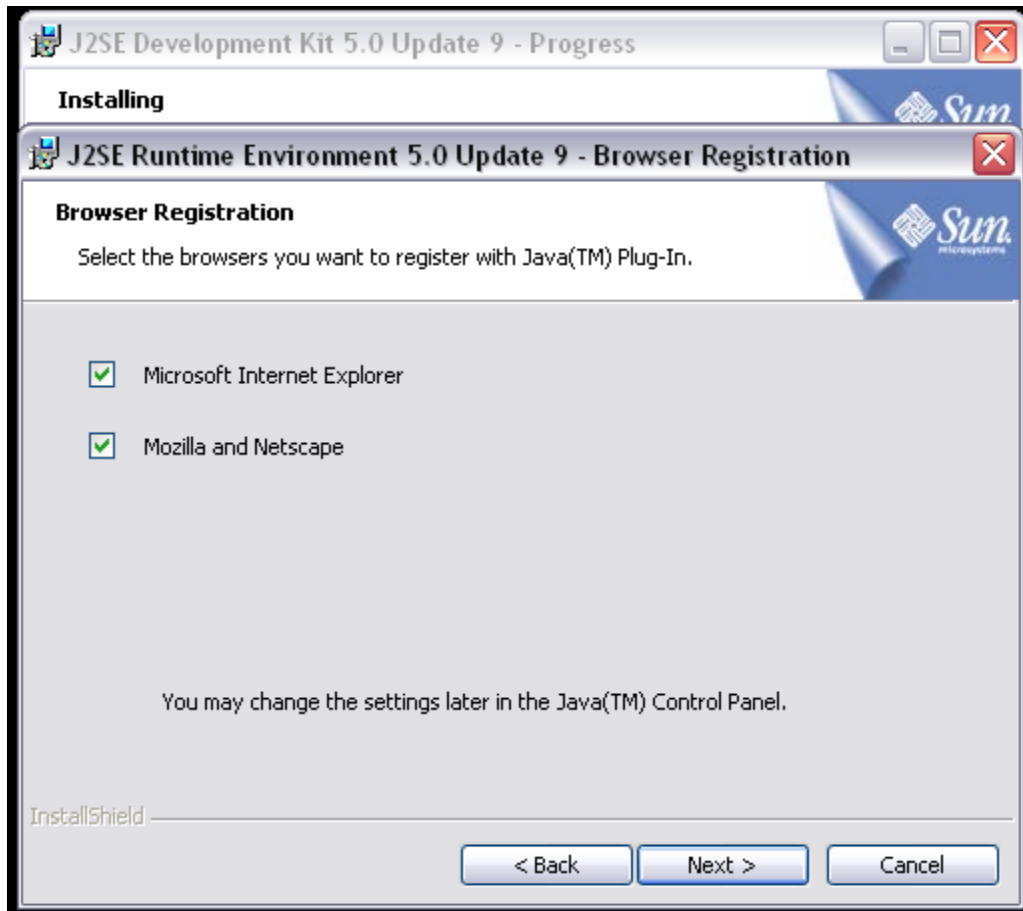
After 'Next' is clicked, the setup will run and finish. You now have set up your computer to run my program.

Server Program
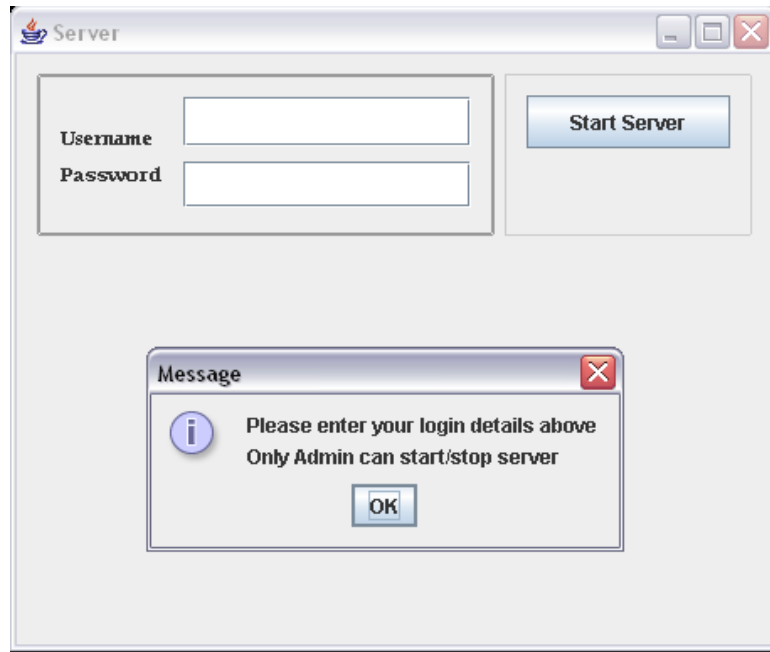
When the server program is started, one needs to first enter the desired port number of the server


If the administrator username and password is correct, you will be asked to specify a the port number of the server and this port number will be used on the side of the client application, and the port number will have to be provided to the client that will be using the application as the server port number is what the client application will need to connect on.
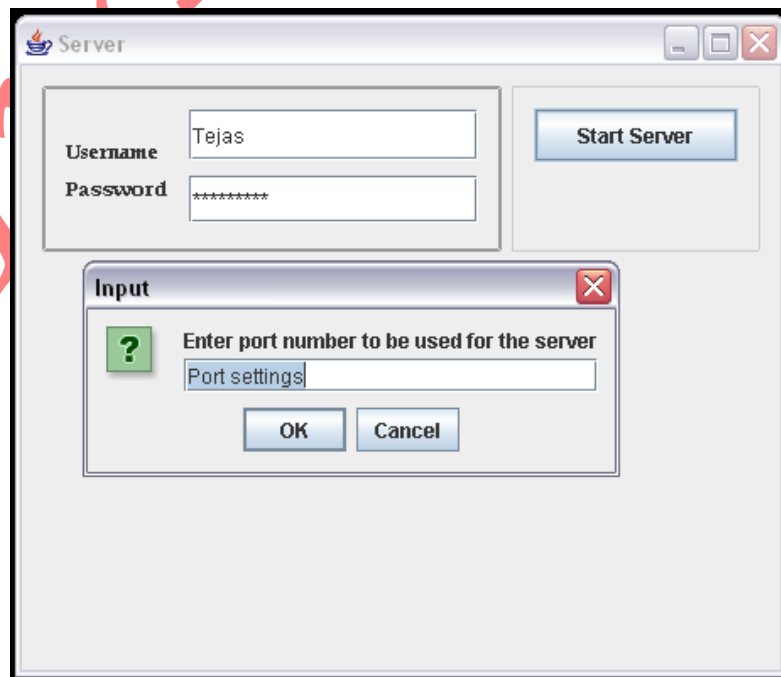
Once the login is successful, and the port number has been specified the server will be up and running and the amount of time that the server is running for will also be shown.
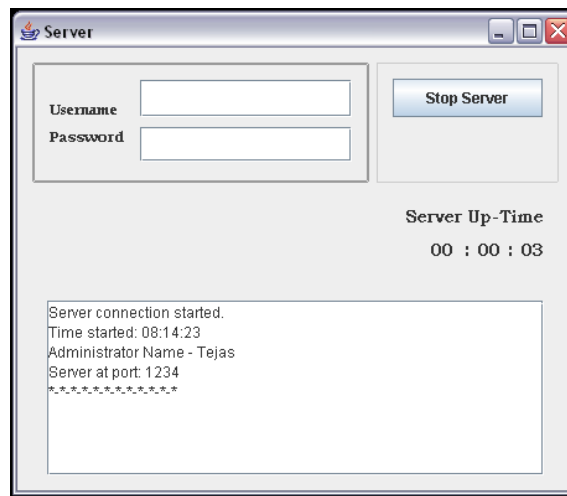

Please note that in order for the server to be shutdown, an administrator password and username must be provided again. Only an administrator can start and shutdown the server.
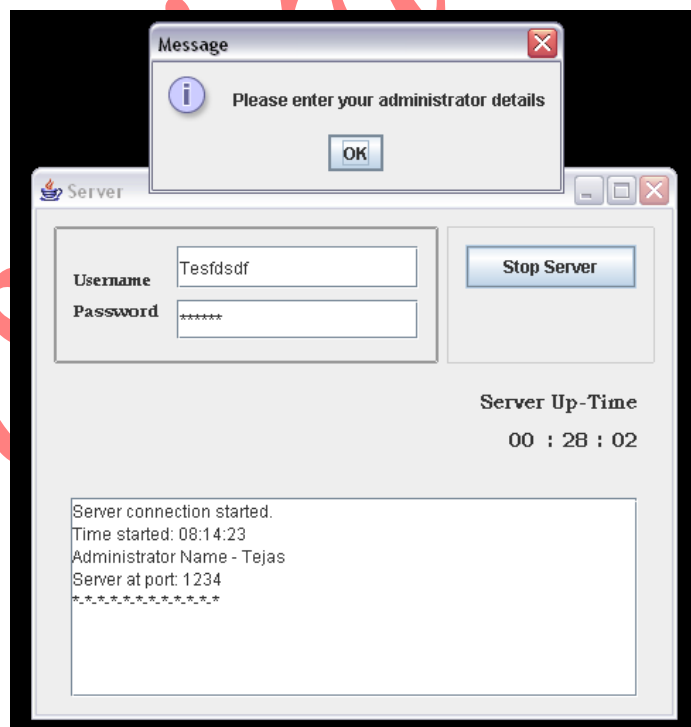
Incorrect username or password, will result in an error message being displayed, please enter your details.

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Client Program

On start of the client program, you will be required to specify the port number to which the program should connect
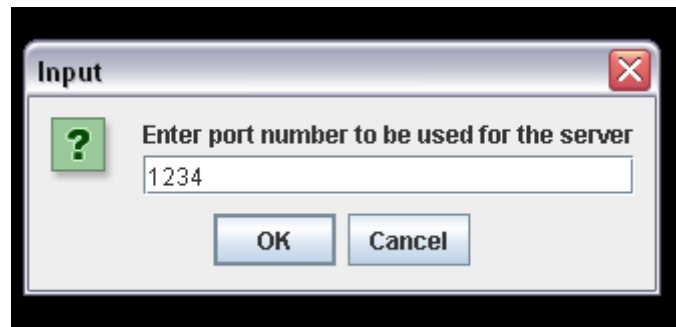

The port number must be the same as the number specified to which the server is created, as the client application has to establish a connection to the server application

If the server isnt running, or the specified port number is incorrect, the following message will be shown, so please specify the correct server port number, as well as ensure that the server is up and running.
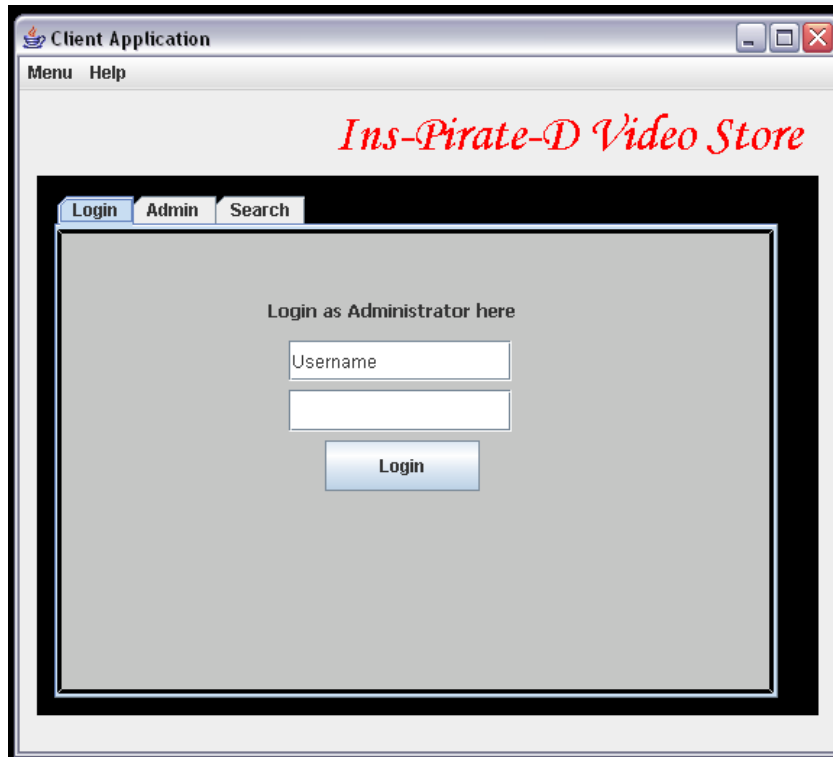
When the right port number, the following window will be displayed, the administrator will need to login in order to add or delete records
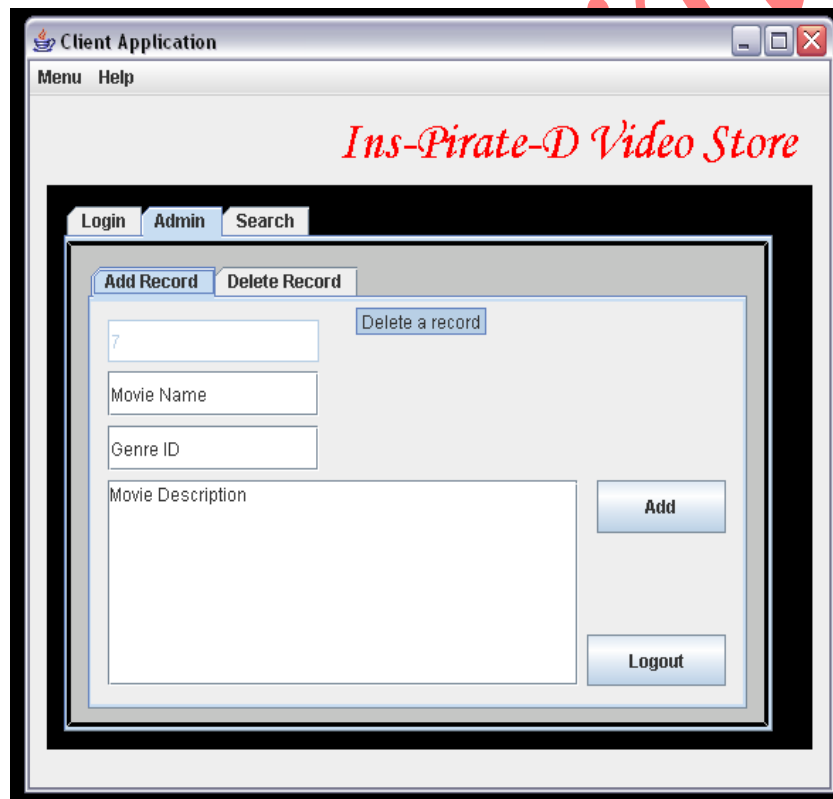

On the tab to add records, please ensure that the movie name begins with a capital letter, and the genre Id is a number. The genre id also needs to exist in order for a new record to be added

Deleting is very easy, just enter the name of the movie, and press delete

The search returns matches that are partial to what you want to search for. So if you are unsure of the name of the movie u want to search for, simply enter part of the name, and the search will return the required results.
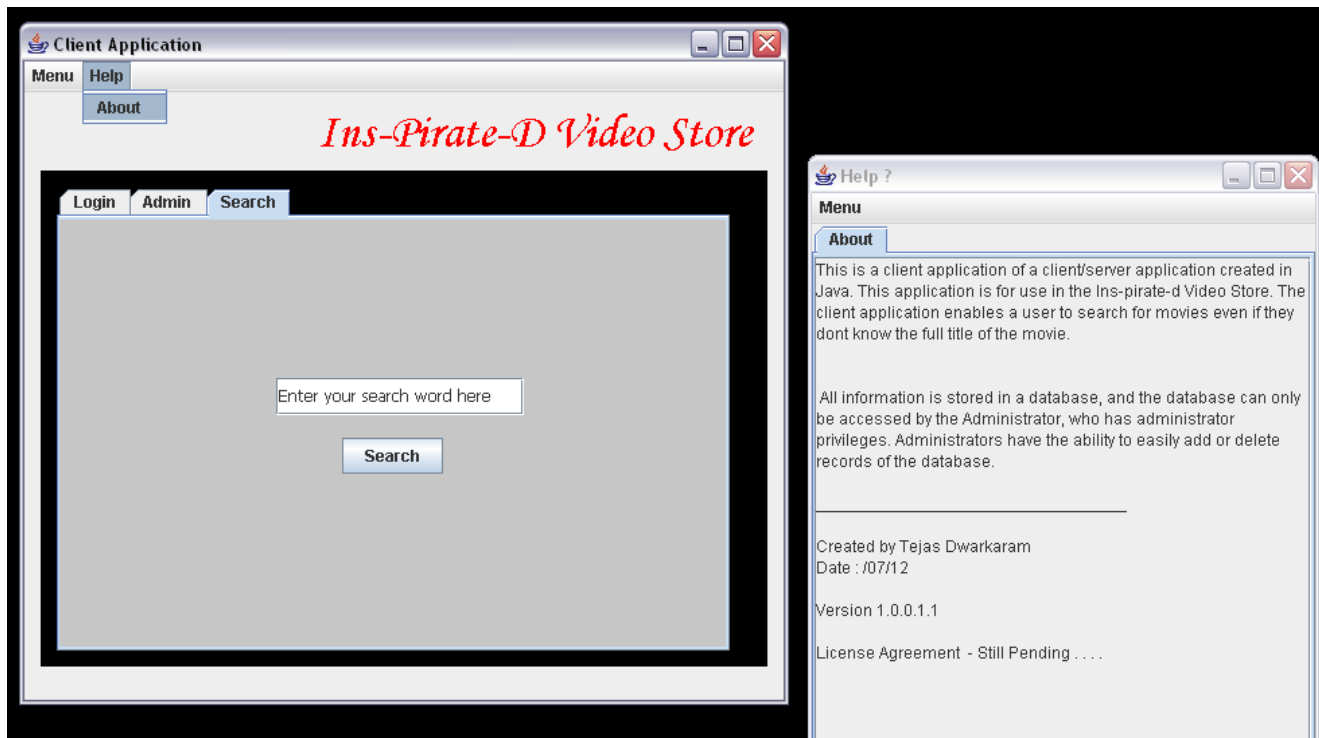
The help menu offers info about the program, as well as help on what should be done in the program, including requirements of certain fields

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When you want to exit the program, you will be given the choice to either exit, or minimize the program.