Notes for installing the classes and running the client and server applications

Installing the application files and setting-up the system.

The required classes are stored in two separate compressed files. As follows

- **TMA03MultiClientServer.zip** – contains all of the classes, and text files required for installing and running the multi-client-server applications. The java source files are also contained in this folder.

Each set of files should be unzipped to a separate new folder on your computers' hard disk.

The files contained in TMA03MultiClientServer.zip may be placed in a folder, such as C:\jhaston\TMA03 \MultiClientServer\ (for example).

Whatever path you use, the file locations should be added to your systems CLASSPATH variable.

Optional – By adding the folder path to your Path system variable you will be able to run the java client and server programs from any directory location in a command-line (DOS) window.

IMPORTANT NOTE: In order to operate correctly the HeadOffice.dat file (which is created by running the CreateHeadOffice program), must be located in the folder from which the server application is invoked. The server applications must be able to locate this file for reading when invoked. A copy of HeadOffice.dat is contained in the application zip file.

Running the applications

Open a command-line window and change to the folder you wish to run the server application from (make sure this folder contains a copy of HeadOffice.dat).

Run the single-client application by typing java VHCServer on the command line and pressing the enter key.

OR

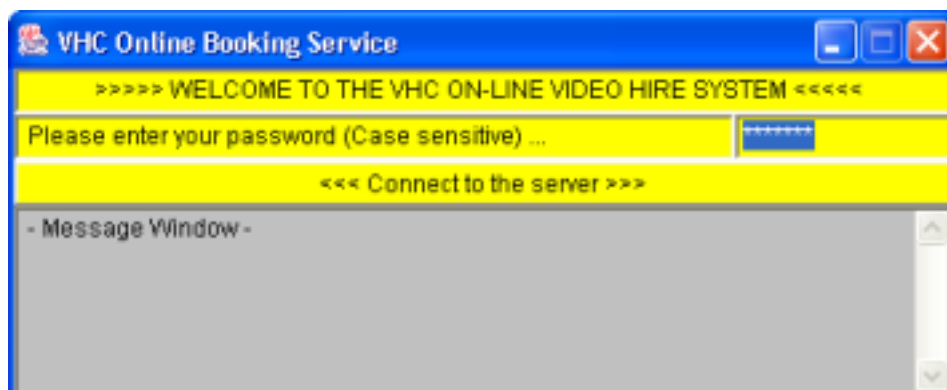Run the multiple-client application by typing java VHCMultiServer on the command line and pressing the enter key.

The following output should be displayed in the command-line window

    VHCMultiServer - unknown port number.
    Initialising HeadOffice data...
    Attempting to start server on port 6001.
    Server started on port: 6001 ... waiting for new client.

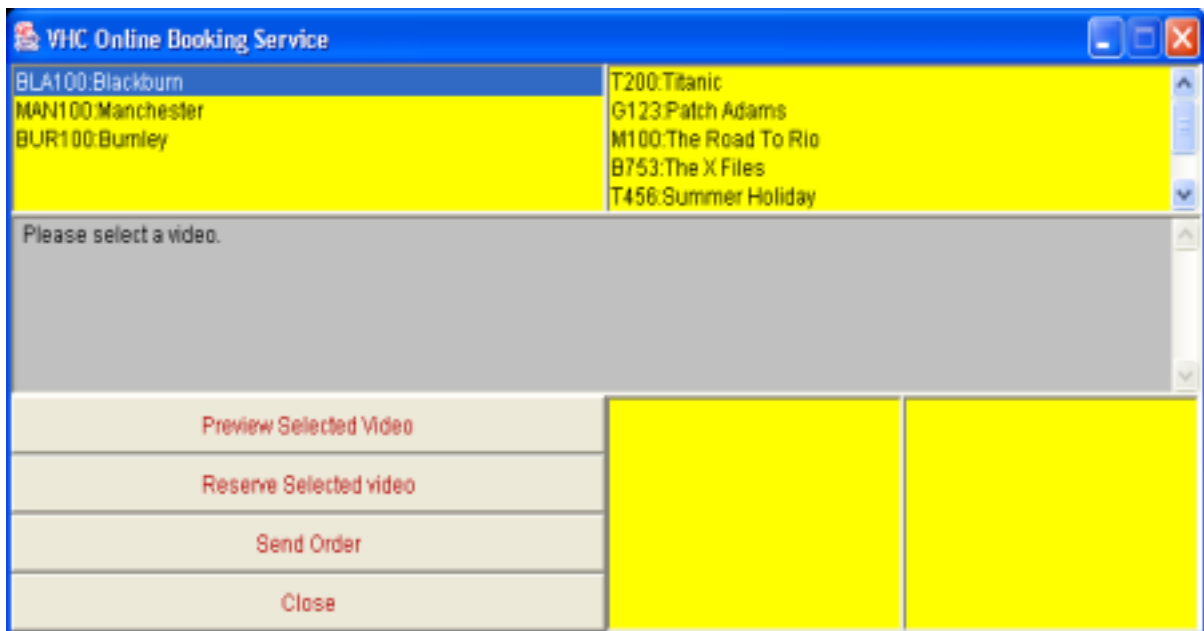Open a second command-line window and change to the folder you wish to run the client application from.

Run the client application by typing java VHCClient on the command line and pressing the enter key.

A window similar to that shown below should now appear on your computer screen.

After typing a password in the login window click the 'Connect to the server' button or press the enter key. When a valid password has been entered the transaction view should be displayed as shown below.

Note: The server must be started before attempting to make a connection.

- • BLA1234 – password for Gold customer jeff
- • MAN9876 – password for Gold customer pat
- • BUR9821 – password for Gold customer roger
- • BUR6767 – password for Gold customer chris
- • MAN1111 – password for Bronze customer john
- • MAN2345 – password for Bronze customer bill
- • BLA9183 – password for Bronze customer bob
- • BLA9090 – password for Bronze customer kathy
- • BLA1589 – password for Gold customer trevor
- • MAN6543 – password for Gold customer roger