

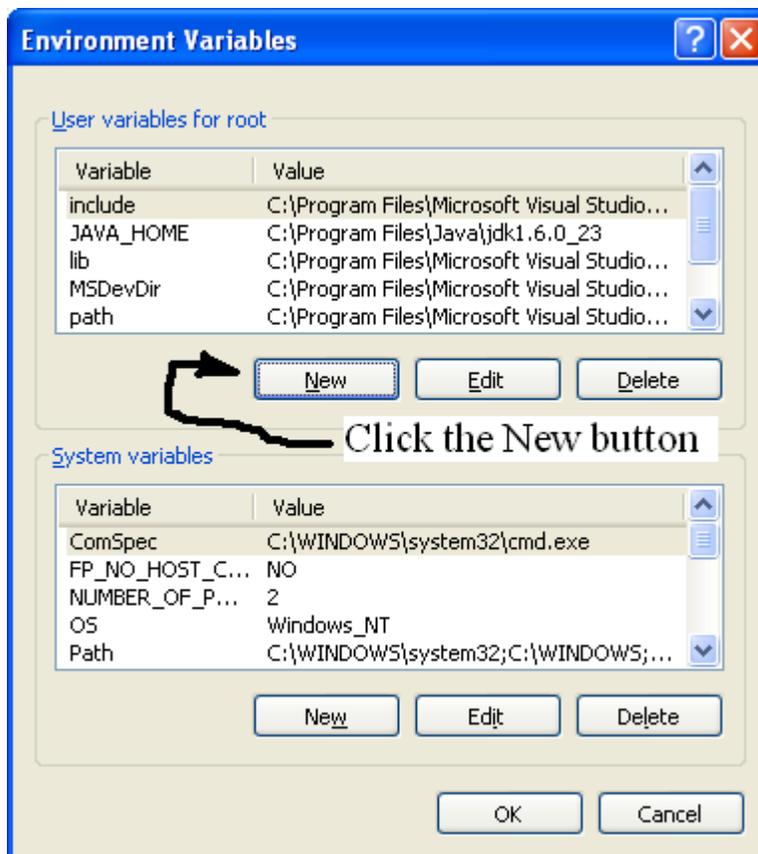
How to run the Inventory Manager Application

1 Installing Java

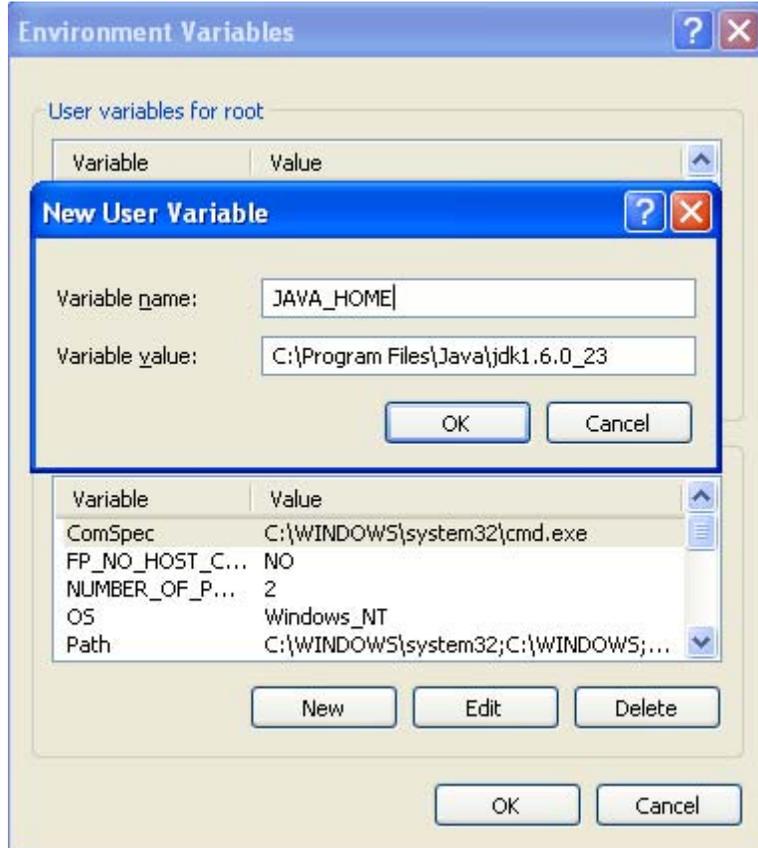
You will need to have Java 6 installed on your computer. You only need the Java JRE to run the Inventory Manager application. **If you install Java in the default directory, I.e. “C:\Program Files\Java”, you do not need to create the environment variable described below.** If you don't currently have Java installed, you can download Java for free from: <http://www.oracle.com/technetwork/java/javase/downloads/index.html>

1.1 Creating a JAVA_HOME Environment Variable (optional)

If you did not install Java to the default directory, you will need to create a system environment variable called: JAVA_HOME that points to the root java installation. If you have downloaded the Java JDK, you would create the variable using your systems advanced system feature. The windows GUI looks like:



Now enter the variable name and the location of your Java installation. See the example below:



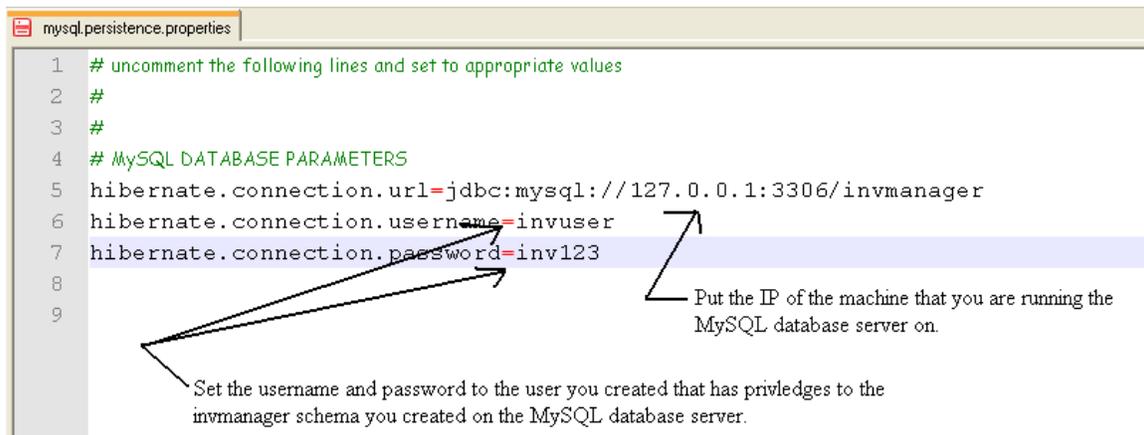
After clicking the OK button, click the OK button again and your new JAVA_HOME environment variable is now created. If you downloaded the Java JRE instead of the JDK, your above path would look like: C:\Program Files\Java\jre6

2 Starting the database

You can run the Inventory Manager using either the HSQL or the MySQL databases. Separate batch files in the \bin folder have been provided to launch the application corresponding to what database server you are using. These batch files are discussed below. If you plan on running the Inventory Manager on multiple machines all using the same database, then you will need to edit either the hsql.persistence.properties or mysql.persistence.properties files depending on which database you will be running. These files are located in the \conf folder. If you are going to just run one Inventory Manager application and will be running HSQL or MySQL on the same machine as the application, then you don't need to edit either file. If you are going to run multiple Inventory Manager applications on distributed machines on a LAN, which is how it is intended to be used, then I highly recommend that you download the MySQL database and run it. MySQL is a very robust enterprise capable database. You can download it from: <http://dev.mysql.com/downloads>

2.1 Configuring to run with the MySQL Database

To configure the database connection, you will need to edit either the `hsql.persistence.properties` or `mysql.persistence.properties` files located in the `\conf` folder. If you want to run a database server so that others can run the application remotely and use the same database, you will need to edit these files so that when you run the application on a remote machine, it will know how to find, and login to the database. You will need to create a general purpose account on MySQL that allows remote login and has full access privileges to only the `invmanager` schema. Do NOT allow remote login access to the root account. This would compromise your database to anyone on your network. If you are going to run the MySQL database, then the first thing you will need to do after you have installed MySQL is run the batch file called `runInitMySQLDatabase_CAUTION_.bat`. To do this, just double click on the batch file from Windows Explorer. This will establish a new schema in the MySQL database for use by the Inventory Manager application. If you are running the HSQL database you do not have to do this. After you have done this, you should next edit the `mysql.persistence.properties` file located in the `\conf` folder. Open this file in notepad and change the IP address to the machine that is running the MySQL database server as shown in the example below:



```
mysql.persistence.properties
1 # uncomment the following lines and set to appropriate values
2 #
3 #
4 # MySQL DATABASE PARAMETERS
5 hibernate.connection.url=jdbc:mysql://127.0.0.1:3306/invmanager
6 hibernate.connection.username=invuser
7 hibernate.connection.password=inv123
8
9
```

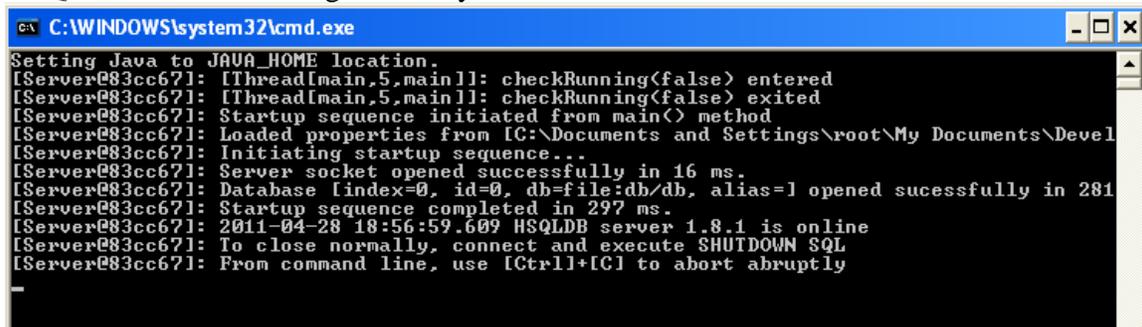
If you did not, or cannot create a new MySQL user, then you can set the username and password above to the root administrator's account name and password that was created when you installed the MySQL database. This is typically, username: root with password: root.

After you have changed the 127.0.0.1 to your MySQL database server machine's IP address, save the file and exit notepad. To launch the application, run the batch file called `runInvManagerMySQL.bat` located in the `\bin` folder.

2.2 Configuring and running the HSQL Database

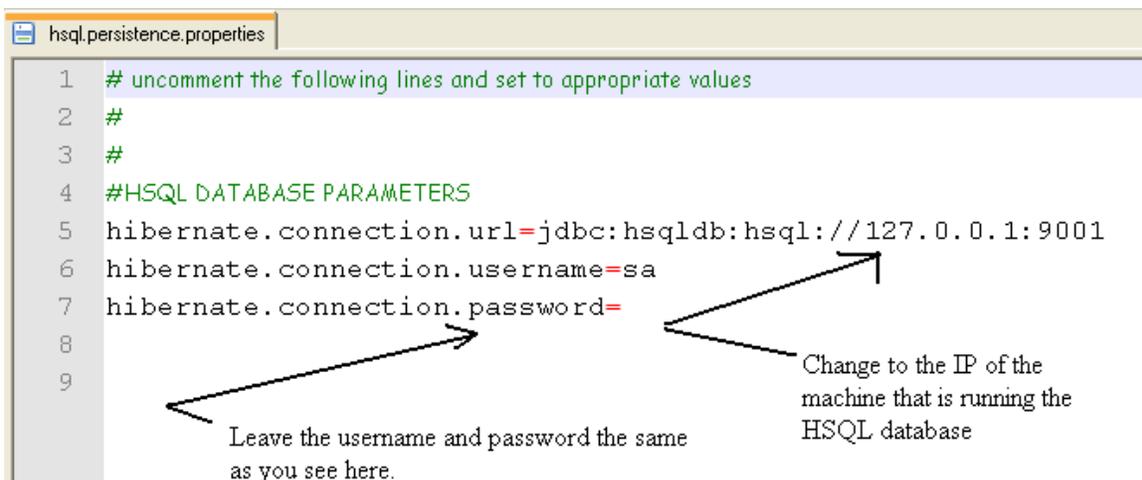
If you are going to run the HSQL database, you first need to run the database server by double clicking on the batch file called `start-hsql.bat`. This will start the HSQL server in

a shell console. Once it has started, minimize the shell window to the task bar. To launch the application, run the batch file called runInvManagerHSQL.bat . When the HSQL database is running and ready, it will look like:



```
C:\WINDOWS\system32\cmd.exe
Setting Java to JAVA_HOME location.
[Server@83cc671: [Thread[main,5,main]]: checkRunning(false) entered
[Server@83cc671: [Thread[main,5,main]]: checkRunning(false) exited
[Server@83cc671: Startup sequence initiated from main() method
[Server@83cc671: Loaded properties from IC:\Documents and Settings\root\My Documents\Devel
[Server@83cc671: Initiating startup sequence...
[Server@83cc671: Server socket opened successfully in 16 ms.
[Server@83cc671: Database [index=0, id=0, db=file:db/db, alias=] opened sucessfully in 281
[Server@83cc671: Startup sequence completed in 297 ms.
[Server@83cc671: 2011-04-28 18:56:59.609 HSQLDB server 1.8.1 is online
[Server@83cc671: To close normally, connect and execute SHUTDOWN SQL
[Server@83cc671: From command line, use [Ctrl]+[C] to abort abruptly
```

You will then edit the hsql.persistence.properties file located in the \conf folder in the same way that you did in the section above that describes configuration for the MySQL database.



```
hsql.persistence.properties
1 # uncomment the following lines and set to appropriate values
2 #
3 #
4 #HSQL DATABASE PARAMETERS
5 hibernate.connection.url=jdbc:hsqldb:hsqldb://127.0.0.1:9001
6 hibernate.connection.username=sa
7 hibernate.connection.password=
8
9
```

Annotations:

- Arrow pointing to line 7: Leave the username and password the same as you see here.
- Arrow pointing to line 5: Change to the IP of the machine that is running the HSQL database

3 Logging in for the First Time

Once the Inventory Manager tool comes up, click on the "Login" menu item and select the "Login" menu option. This will bring up a login dialog that will connect to the database. Once it has connected and displays the user name and password prompt, type in the user name: admin with password: admin. This is the default account that the application sets up. Once you have logged in the first thing you should do is change the password for this account. From this point on you can create new user accounts, with administrator, management, or sales group privileges. The administrator has all the privileges as the manager and sales with the addition of being able to create and edit user accounts etc.

4 Using the Application

I have designed the application to be so incredibly simple to use that no instructions are needed in this section. 😊

4.1 Inventory Item List

| # | Line | Item Number | Description | Superseded Number | QOH | OP | QOO | NO | SP | BO | LS |
|---|------|-------------|--------------------------------|-------------------|-----|----|-----|----|----|----|----|
| 1 | D31 | 321-10 | REMAN ALTERNATOR - HAS PICTURE | | 11 | 12 | 0 | 0 | 1 | NO | 0 |
| 2 | D31 | 321-100 | REMAN ALTERNATOR | | 1 | 7 | 0 | 0 | 1 | NO | 0 |
| 3 | D31 | 321-1000 | REMAN STARTER | | 0 | 0 | 0 | 0 | 1 | NO | 0 |
| 4 | D31 | 321-1001 | REMAN STARTER | | 0 | 0 | 0 | 0 | 1 | NO | 0 |
| 5 | D31 | 321-1002 | REMAN STARTER | | 0 | 0 | 0 | 0 | 1 | NO | 0 |
| 6 | D31 | 321-1003 | REMAN STARTER | | 0 | 0 | 0 | 0 | 1 | NO | 0 |
| 7 | D31 | 321-1004 | REMAN STARTER | | 0 | 0 | 0 | 0 | 1 | NO | 0 |
| 8 | D31 | 321-1005 | REMAN STARTER | | 0 | 0 | 0 | 0 | 1 | NO | 0 |

| Column Name | Description | Action |
|-------------------|---|---|
| # | Item Number | None |
| Line | Product line code | Max 3 character line code |
| Item Number | The item “part” number | Double clicking on the item number will load it into a new tab |
| Description | The item description | Max 25 character description |
| Superseded Number | The item number that supersedes this item | Double clicking on the superseded number will load it into a new tab |
| QOH | (Quantity on hand) – Number of SKU’s in stock | When the item is loaded into a new tab, selecting the store will display the QOH for that store |
| OP | (Order Point) – The number of SKU’s to order when QOH gets below the order point value. | New order amount is equal to Order Point – QOH |
| QOO | (Quantity on Order) – the current number of SKU’s that are on order with the product vendor | None |
| NO | (New Order) – The number of SKU’s the application suggests you order after running a new order prior to creating a purchase order | None |
| SP | (Standard Package) – The | None |

| | | |
|----|--|------|
| | item standard package as specified by the product vendor | |
| BO | (Back Order) – The number of SKU's that are on back order from the product vendor | None |
| LS | (Lost Sales) – the number of sales that have been lost because of depleted inventory | None |

5 Contact

Please email question or comments to: fritzwf@yahoo.com

Thanks!