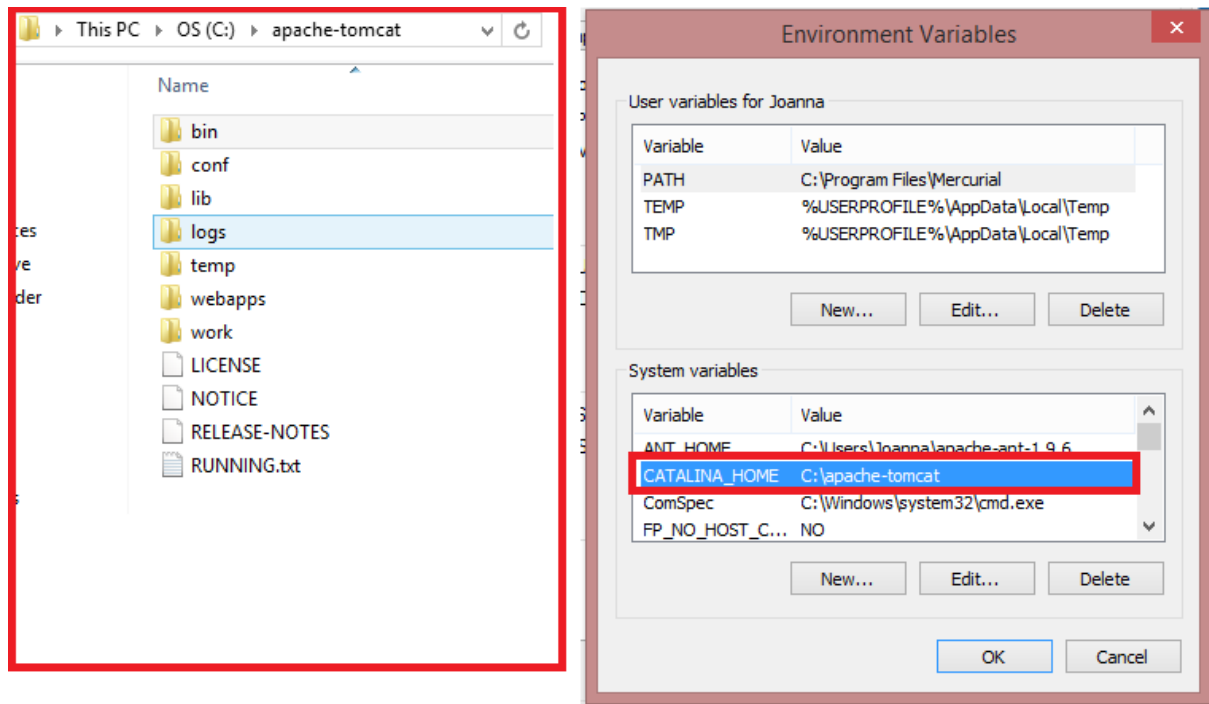


+-----+
| NOTICE: Check the Documentation.pdf for design/implementation details. |
+-----+

ENVIRONMENT REQUIREMENTS

- =====
- JDK/JRE 1.7+
- JAVA_HOME variable properly configured to the root dir of the JDK installation
- Apache Tomcat 8 installed as follows:
 - Tomcat downloaded from <https://tomcat.apache.org/download-80.cgi>
 - Zip file extracted to C:\apache-tomcat (Note that you rename the folder removing the tomcat version)
 - CATALINA_HOME added to the system's environment variables. Its value should be C:\apache-tomcat



*** IMPORTANT ***

It is **mandatory** that tomcat is installed in this folder (C:\apache-tomcat). Otherwise, the compile.bat and the database access of the application **will** be compromised.

If needed, the following adjustments shall be made to make the Web site work properly:

- In the class src\edu\rit\swen755\models\Model.java the path variable (line 16) should be changed to the application's root directory in the Tomcat. (This is the folder that contains the assignment4.db database.)

```
public abstract class Model {  
    private static final String path = "C:\\apache-tomcat\\webapps\\Assignment4";  
    private static final String CONNECTION_URL = "jdbc:sqlite:" + path  
        + "\\assignment4.db";  
    protected static Connection connection;
```

- When compiling classes, change -cp "C:/apache-tomcat/lib/servlet-api.jar" to a path in accordance to your Tomcat's installation

HOW TO RUN/TEST APPLICATION USING COMMANDS

=====

+-----+
| NOTICE: If you have Windows OS, you can compile the application using compile.bat |
+-----+

+ Compilation Commands

```
javac -cp "C:/apache-tomcat/lib/servlet-api.jar" -d WebContent\WEB-INF\classes  
src/edu/rit/swen755/controllers/*.java src/edu/rit/swen755/models/*.java src/edu/rit/swen755/views/*.java
```

+ Create a folder named "Assignment4" within the the "webapps" folder of Tomcat

+ Copy the entire contents of the folder "WebContent" to the folder "Assignment4" just created

+ Start tomcat (c:\apache-tomcat\bin\startup.bat)

+ Open a Web Browser and type the following url <http://localhost:8080/Assignment4> (you may need to adjust URL accordingly based on the HTTP port configured for Tomcat).

OUTPUTS SHOWN

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Please, check Documentation.pdf for a complete explanation of the output. Table 1 within that document shows the user accounts that can be used to login the system.