**List of Marketplace Assignment 6 Files:**

1. AbstractFactory.java
2. ActionInterface.java
3. ActionServerController.java
4. ActionServerModel.java
5. AdminFactory.java
6. AdminMenu.java
7. AuthorizationException.java
8. AuthorizationInvocationHandler.java
9. Client.java
10. ClientController.java
11. Credential.java
12. CustomerFactory.java
13. CustomerMenu.java
14. Dispatcher.java
15. FrontController.java
16. Inventory.java
17. LoginView.java
18. MarketplaceLogin.java
19. MenuView.java
20. MySQL.java
21. Product.java
22. Request.java
23. RequiresRole.java
24. Response.java
25. Server.java
26. ServerLoginController.java
27. ServerLoginModel.java
28. Session.java
29. ShoppingCart.java
30. README.pdf
31. Makefile
32. Mysql-connector.jar
33. policy
34. Ass6\_JingyiHui.pdf (Assignment Report)

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

**Instructions:**

1. Open a terminal and connect to one of the 6 machines provided on Tesla with your username and password:

in-csci-rrpc01.cs.iupui.edu-10.234.136.55

in-csci-rrpc02.cs.iupui.edu-10.234.136.56

in-csci-rrpc03.cs.iupui.edu-10.234.136.57

in-csci-rrpc04.cs.iupui.edu-10.234.136.58

in-csci-rrpc05.cs.iupui.edu-10.234.136.59

in-csci-rrpc06.cs.iupui.edu-10.234.136.60;

Use “in-csci-rrpc01.cs.iupui.edu-10.234.136.55” as the server. Login to rrpc01 by command:

**% ssh <username>@in-csci-rrpc01.cs.iupui.edu**

2. Clone <https://github.iu.edu/hui/csci50700_spring2018_marketplace.git> onto server machine.

3. pull all the files into the directory.

4. Compile all of the java files through command: **javac \*.java**, or just by typing: **make**.

5. Run the RMI Registry in the background at port **2016**:

**% rmiregistry 2016&**

6. Setup the Marketplace server by executing the following command:

**% java -Djava.security.policy=policy -cp .:mysql-connector.jar Server**

\* port\_number is 2016;

7. Open another terminal, log onto another machine with username and password. Here we use “in-csci-rrpc02.cs.iupui.edu-10.234.136.56” as an example.

**% ssh <username>@in-csci-rrpc02.cs.iupui.edu**

8. Use the same IP address with server IP address to run the client side on another machine by executing the following command:

**% java -Djava.security.policy=policy Client 10.234.136.55 2016**

9. Use either one of the following username and password pair to login:

(1)User name: **Hui**, Password: **Hui**; (sample customer account)

(2)User name: **Admin**, Password: **Admin**. (sample admin account)

If user name matches the password: system will show a menu and provide options to choose from. If not, system will give error message, or ask user to register first.

10. If customer chooses 1-5 or 8, 9, system will display the corresponding message, such as "Browse item"; if customer chooses 6, 7 or 10, system will show exception.

If administrator choose 1, 6, 7, 9, 10 it will display corresponding message; But if choose 2-5, or 8, exception message will be shown.

**Detailed sample runs of each function are provided in the assignment report.**

11. Before exiting the program, terminate the RMI registry with following commands:

**% fg**

**% Crtl+c**

12. Type: **% make clean** to remove all the .class file.