Development Manual

How to Set up Development Environment:

In order to set up the Gym System java files on your local computer and continue working on the program, you will need to install a Java Virtual Machine (JVM). It is intended that this is done in Eclipse using the JDK.

Clone the project from the GitHub account located here:

https://github.com/dwkielman/cs414-f18-801-team-farnsworth

Unzip the files and place the extracted GymnasiumGithubUpload folder in your appropriate workspace for working on.

To import the project into Eclipse, select File -> Import -> Existing Projects Into Workspace -> Next -> in Select root Directory, select the GymnasiumGithubUpload folder and click Finish.

Note: To perform the JUNIT Tests in this project, it is required that you are running JUNIT 5 or higher. Eclipse Oxygen.1 (4.7.1) and above should have JUNIT 5 already installed into the System.

How to Run the Demo:

In the p4 Folder included in this download from Github, select the file GymFinal.jar and place it in a location you know on your computer (Desktop is recommended).

In the Command Line, navigate to the location of the file and enter the following command to run the Demo:

```
java -jar GymFinal.jar
```

For demoing purposes, one account of each type of Gym user has been created to run the System (Manager, Trainer) and 3 accounts of the Customer type has been created with different Membership status' (Basic, Regular and Premium). Their login information is as follows:

Usertype	Login Username	Password	Comments
Manager	man	pass	
Trainer	train	pass	

Customer	cus	pass	Basic Membership
Customer	regCus	pass	Regular Membership
Customer	premCus	pass	Premium Membership

The purpose for the 3 separate Customer login User types is for testing different functionality that only certain Customer classes are allowed to access.

How to Run the System as a Developer:

With the project open in Eclipse, in the View folder, select the CLI.java file and run the file as a Java Program. This will run the program directly in your IDE to manage and track changes and developments you make to the project.

How to Run the JUNIT Tests:

To run the currently developed JUNIT tests, open the project in Eclipse and run the TestAll.java file. It is located in the default parent folder of the project.

To run individual tests, locate the appropriate test in the Testing folder in the project and find the appropriate test file.

Final Note

This is the first complete release of the project that still could benefit from more time and resources getting it working, but all functionality should be in the Gym System including the extra features that were asked for by the stakeholders. We appreciate your feedback and advice you have for improvements for this project.