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 p3 Folder included in this download from Github, select the file p3GymDemo.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 p3GymDemo.jar
```

For demoing purposes, one account of each type of Gym user has been created to run the System (Manager, Trainer and Customer). Their login information is as follows:

Usertype	Login Username	Password
Manager	man	pass
Trainer	train	pass
Customer	cus	pass

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 beta release of this project and there are many known errors. Navigating as a Customer is the least-developed portion currently, along with some issues such as minor inconsistencies in user experience, typos, and data not appearing correctly, to more pressing concerns such as schedules not being generated correctly and getting exceptions thrown and booted out of the program.

This is a work in progress and will be fine-tuned until final completion date of it. We appreciate your feedback and advice you have for improvements for this project.