Installation Guide

EcoBikeRental

1. **Folder Structure**

The workspace contains the following folders, where:
- src: contains main source code.
- lib: contains dependencies.
- assets: contains static resources, such as image, icon, …
- test: contain test unit, for testing purpose.

2. **Dependency Management**

2.1. Start with Eclipse

Import the root directory of this repository after cloning under `Eclipse` -> `Import existing project into Workspace…`.

2.2. PostgreSQL JDBC

Include 'postgresql-42.3.1.jar' in 'lib' folder into buildpath, under: right click on the project -> 'Build Path' -> 'Configure Build Path' -> 'Libraries' -> Click on 'Classpath' -> 'Add JARs.'

2.3. JUnit

Import `JUnit5` library under `Eclipse` -> `Project` -> `Properties` -> `Java Build Path` -> `Modulepath` -> `Add Library...` -> `JUnit` -> `Next`.

2.4. JavaFX

At first, please try to run the project once, and then follow these steps.

1. Create a new `User Library` under `Eclipse` -> `Window` -> `Preferences` -> `Java` -> `Build Path` -> `User Libraries` -> `New`

2. Name it anything you want, e.g., `JavaFX15`, and include the **.jars** under either the `lib/linux/javafx-sdk-15` directory for Linux distro or the `lib/win/javafx-sdk-15` directory for Windows in the project.

3. Include the library, e.g., `JavaFX15`, into the classpath.

2.5. Add VM arguments

Click on `Run` -> `Run Configurations...` -> `Java Application`, create a new launch configuration for your project and add these VM arguments:

- For Linux distro:

`--module-path lib/linux/javafx-sdk-15 --add-modules javafx.controls, javafx.fxml'

- For Windows:

`--module-path lib/win/javafx-sdk-15 --add-modules javafx.controls,javafx.fxml`

2.6. Authors

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3. Credit:

Credit to the team that gives the template for this installation guide.

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