

Installation Guideline

EcoBikeRental

I. Pre-Requisites

EcoBikeRental requires:

- Hardware: laptop or PC
- Wifi connection
- Database: because of using remote DB: **REMOTE SQL**, we don't need any set up for this. Make sure your device has internet connection

- **Install Java**

1. Install Java Platform Standard Edition (1.6 or higher) .

Select JDK - Java SE Development Kit (not JRE). Click on the link for Windows x64 if your computer is 64 bit or Windows x85 otherwise.

2. Accept all defaults, and your JDK will be installed at

`C:\PROGRAM FILES\JAVA\`

or a similar directory using the actual release version you select.

3. Set Environment Variables :

Define the Variable value using the actual directory, in which you downloaded JDK

Check the Installations

To make sure that you installed Java correctly, click on **START + RUN** and enter **CMD** to open a console window.

Type `JAVA -VERSION` . It should show the correct versions of JDK , otherwise something was wrong in your variable settings.

- **Install IDE (Eclipse or IntelliJ)**

1. Install integrated development environment (Eclipse ,IntelliJ, netbean...)

Then select JDK 11 - Java SE Development Kit (not JRE). If JDK that you downloaded in previous is not recognized, you have to reinstall suitable version based on IDE

- **Download library**

1. Download **JavaFX SDK** (version 15)

2. Download MySQL community from [here](#)

3. Download Junit 5 library

- **Download project**

Download project from [Here](#) or run comand in command prompt if you installed git

```
git CLONE HTTPS://GITHUB.COM/HAA1010/ISD.ICT.2020-08
```

Open it in IDE, set all library that we download in library to EcobikeRental

- **JavaFX**

Note: 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

INTELLIJ->PROJECT->PROJECT STRUTURE->LIBRARY->ADD->JAVA

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. Eclipse: Include the library, e.g., JAVAFX15, into the classpath.

IntelliJ: module-> add library->apply

4. Similarity with Junit5, MySQL comunity

- **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 'PATH_TO_JAVAFX_LIB' --ADD-MODULES JAVAFX.CONTROLS,JAVAFX.FXML
```

```
--MODULE-PATH 'PATH_TO_JAVAFX_LIB' --ADD-MODULES JAVAFX.CONTROLS,JAVAFX.FXML
```

II. Running

Build project in IDE, if there exist some error, that mean you add library in wrong way. Then run it.

