

## Hardware

+ Window 10

## Software

1. Install Java

Install Java SDK

-<https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html>

Install Java Runtime Environment 8

-<https://www.oracle.com/java/technologies/javase-jre8-downloads.html>

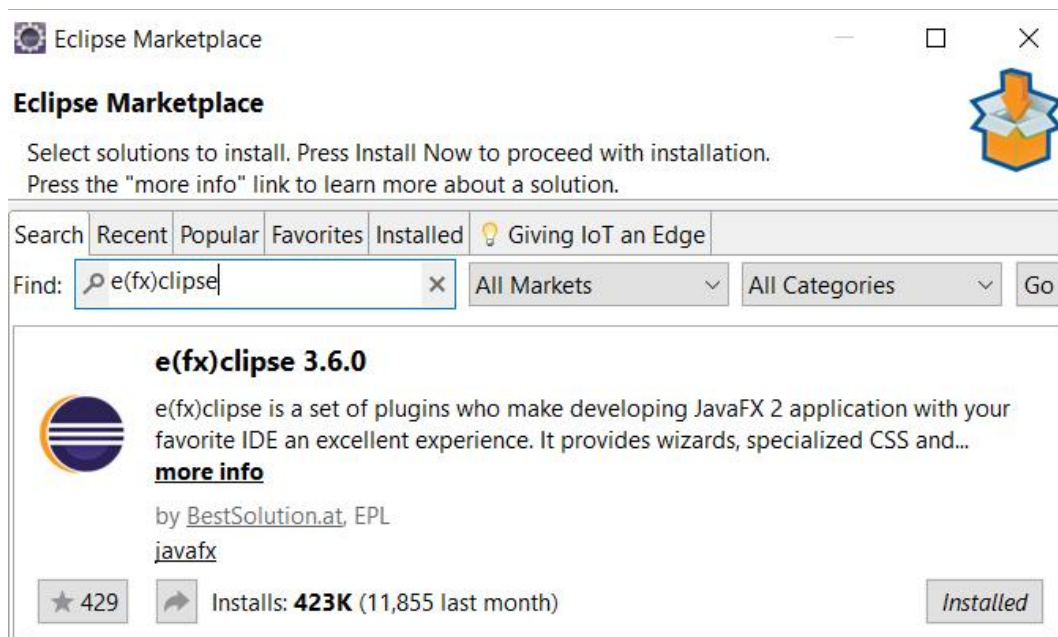
2. Install Eclipse 2019

Download and install step by step

<https://www.eclipse.org/downloads/packages/release/2019-12/r/eclipse-ide-enterprise-java-developers>

3. Install e(fx)clipse

On Eclipse, go to Help-> Eclipse Marketplace. Search for “e(fx)clipse” and install e(fx)clipse 3.6.0



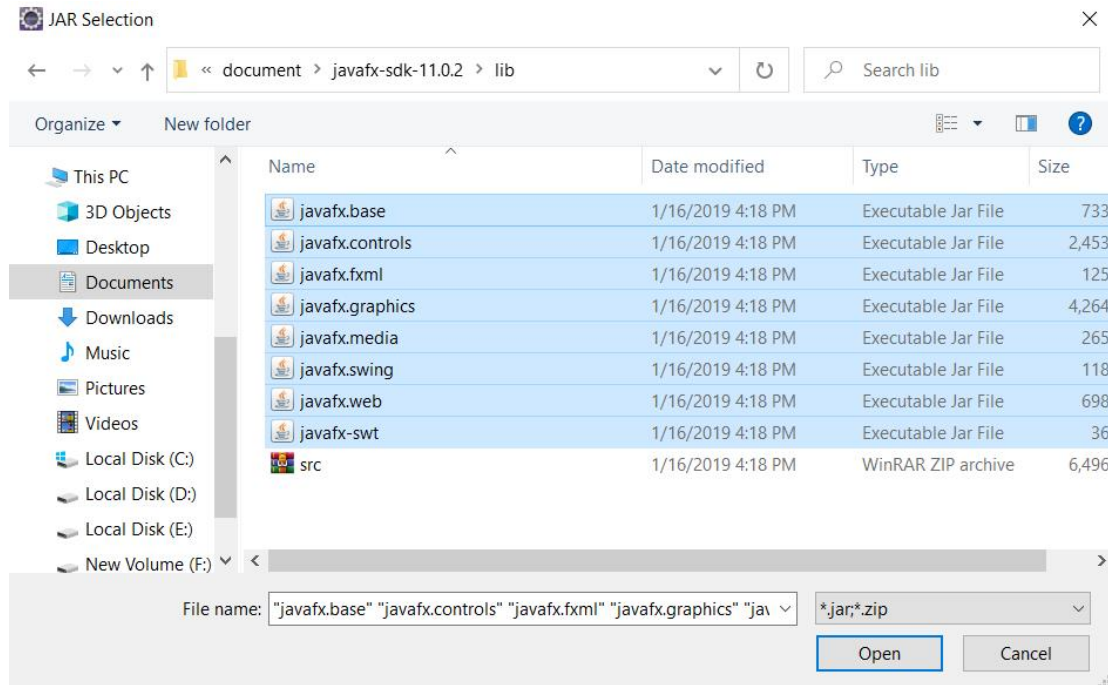
Restart Eclipse when the progress is done

4. Clone project, then open Eclipse, go to File -> Open Project from File System. Direct to project folder, then select Programing folder.
5. Install JavaFX User Library
  - Add JavaFX to eclipse

On Eclipse, go to Window -> Preferences -> Java -> Build Path -> User Library

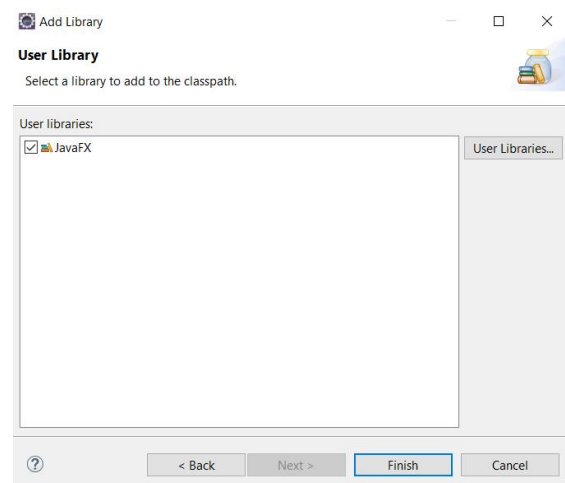
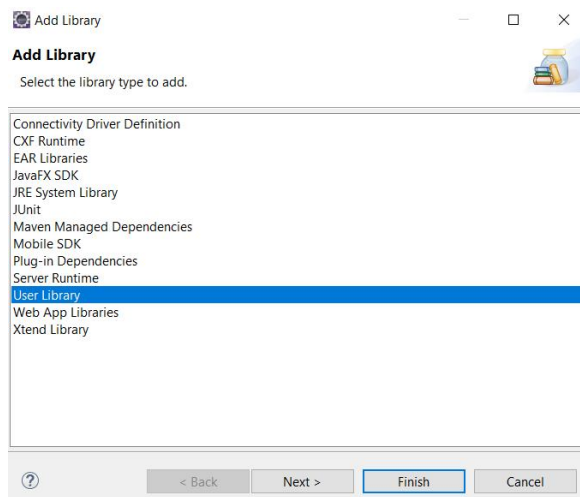
Click on New, enter "JavaFX" and click OK

Click on JavaFX, then click on Add External JARs, direct to the document folder (TKXDPM.20201-18 -> Programing -> document), go to javafx-sdk-11.0.2\lib, select all libraries and click Open, then Apply and Close



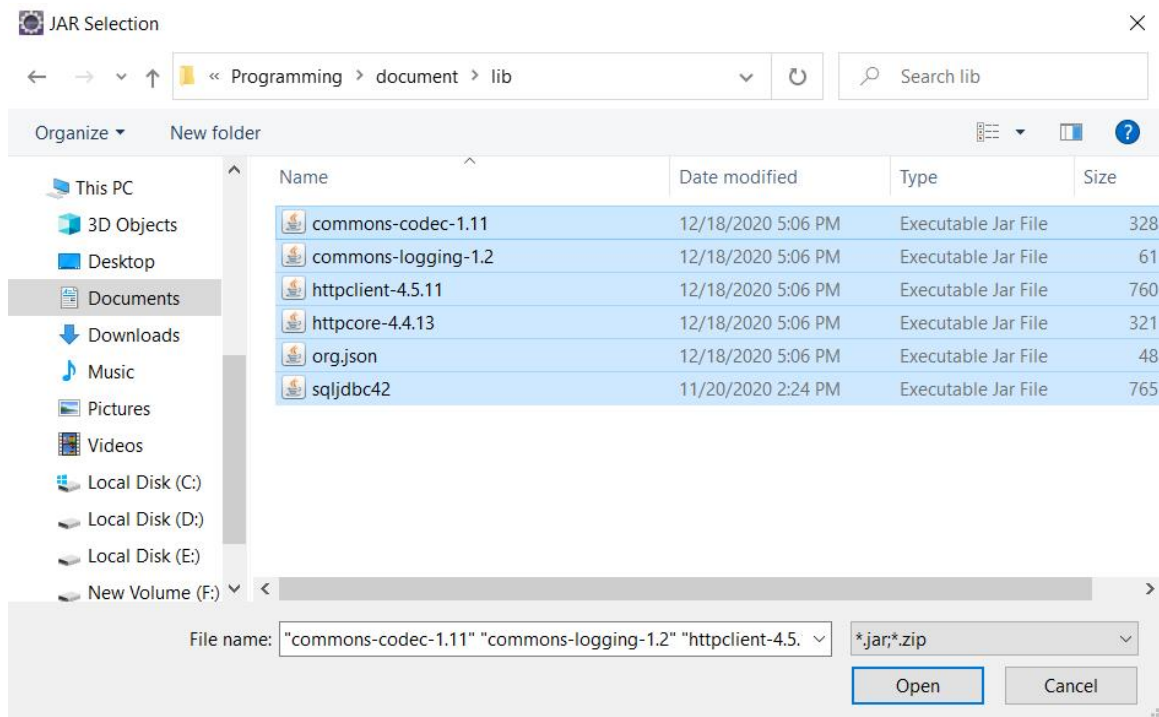
- Add JavaFX to project

On Eclipse, right click to the project name, click Properties, click on Java Build Path -> Libraries -> Add Library -> User Library -> Next. Select JavaFX you have been added, click Finish then Apply and Close.



## 6. Install JDBC, HTTP, JSON Libraries

Right click to the project name, click Properties, click on Java Build Path -> Libraries -> Add External JARs  
 Direct to document folder, go to lib folder, select all libraries, click Open then Apply and Close



## 7. Run Project

After install SQL server, run query to create database, you can run project.

Right click to the project name, click Run as -> Java Application

## Database

### 1. Install SQL Server 2012

Download and install follow the guide

### 2. Create User

Create a new user with name: group18, password: 123456

### 3. Create Database

Open query from ..... and run.

### 4. Grant access to user

Go to Security -> Login, right click to group 18, click on User Mapping, select EcobikeRentalDatabase then click OK

Right click to EcobikeRentalDatabase from Database, click Properties -> Permission. Select all rows on Grant column, then click OK.