

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

School of Information and communications technology

## Installation Guide

Version 1.0

Eco Bike Rental Software

Subject: ITSS Software Development

Group 05

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# I. Hardware requirements

Hardware requirements to download Java on your Windows operating system as follows:

1. Processor: Intel Pentium IV 2.4GHz
2. Hard disk: 10GB Free
3. RAM: 4GB
4. Stable Internet connection
5. Mouse, keyboard, monitor and sound card, if required

# II. Software requirements

1. At least JDK 14
2. JavaFx SDK 15.0.1
3. IntelliJ IDEA 2020.2.3
4. JDBC driver for PostgreSQL
5. JUnit 5

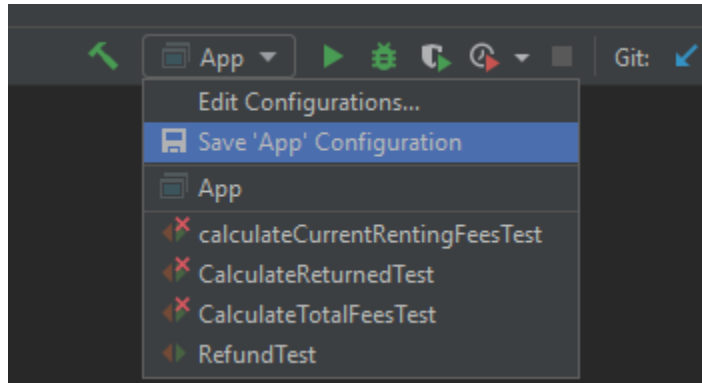
# III. Database

1. PostgreSQL version 13

# IV. Installation and deployment step by step

1. Step 1: Unzip file EBR.zip, right click in folder EBR, choose "Open Folder as IntelliJ IDEA Project"
2. Step 2: Setup JDK and Libraries for project
  - In IntelliJ project, click "File", choose "Project Structure...".
  - In Project Structure, choose tag "Project" then choose one compatible JDK for the Project (at least JDK 14)

- Choose tag “Libraries”, add 2 libraries: javafx-sdk-15.0.1, postgresql-42.2.18 (click button “+”, choose “java”, choose path to those 2 libraries, then click apply).
- In the part of IntelliJ like the picture:



Choose “Edit Configurations...”, in the text field of VM option, enter “--module-path “*#PATH\_TO\_JAVAFX*” --add-modules javafx.controls,javafx.fxml” while “*#PATH\_TO\_JAVAFX*” is path to javafx library in your device.

### 3. Step 3: Setup database config:

- Open “src/model/db/EBRDB.java”
- In this field:

```
private static final String url = "jdbc:postgresql://localhost/" + Configs.DB_NAME;
```

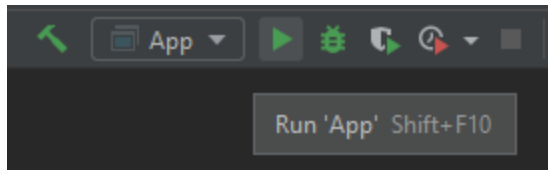
add”: port” after” localhost” (“ port” is your PostgreSQL server port, 5432 is set to be default, you only need to add port if your port is not 5432).

- Open “src/utils/Configs.java”
- In this field:

```
// database Configs
public static final String DB_NAME = "EBR";
public static final String DB_USERNAME = "postgres";
public static final String DB_PASSWORD = "1234567";
```

Change DB\_NAME, DB\_USERNAME, DB\_PASSWORD to your own PostgreSQL server information.

### 4. Step 4: To run the program,



Click button “Run ‘App’ ”or use combo Shift +F10