Parking Booking System

User Manual

Version 1.0

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Lian Attily

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1.   Introduction

The purpose of this document is to serve as a user manual and provide the users of Click2Park with a detailed, step-by-step guide on how to install and use the software. The intended audience for this document includes the testers for our application, as well as our customer. This document should cover all of the relevant use cases for the most up to date version of the application, further version changes will be reflected in this document as well.

2.   Overview

The purpose of the Click2Park software is to provide the user with a simple and easy-to-use tool to find and book a parking spot in advance. It is a standalone Java based desktop application that can be run offline. The user will interact with our software through a graphical user interface that will be simple and easy to use. The application will allow the user to pick a parking spot, book it, and pay for it.

3.   Getting Started

3.1   System Requirements

Before installing the software, please ensure that you have Java-15 installed on your computer. If not, please follow this link to download it:

https://www.oracle.com/ca-en/java/technologies/javase-downloads.html.

To check if you have it, go to **File → Properties → Java Compiler → Compiler Compliance Level → 1.8** (Check screenshot below for reference).
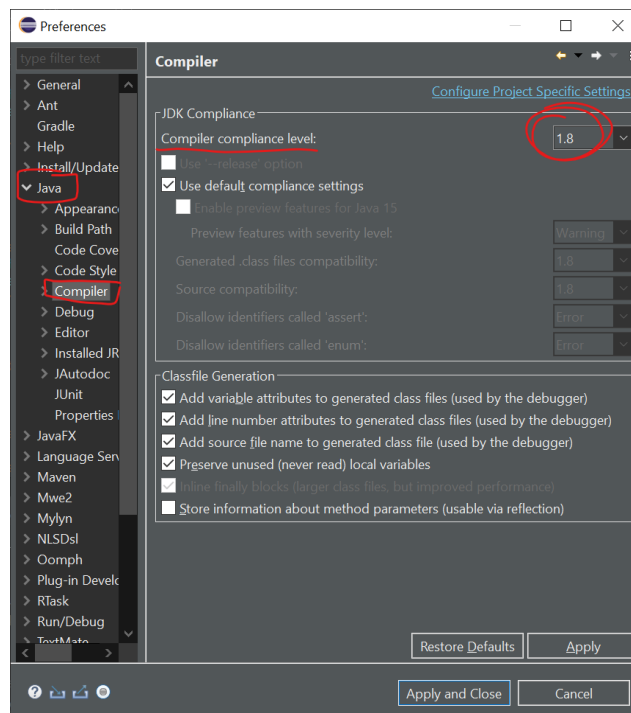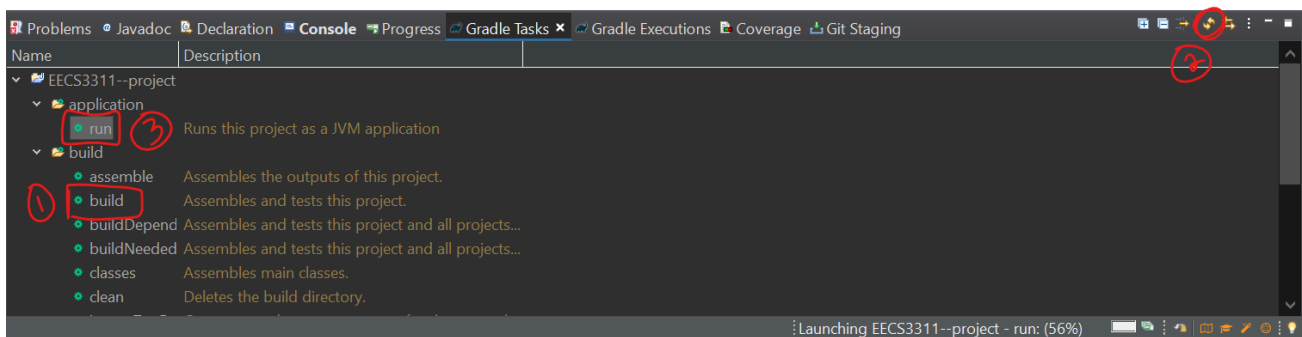
3.2 Installing the System

To install and run the software:

1. (if you are using GitHub) Clone the repository from Github:
   https://github.com/alborzdev/2311-Project

   a. Make sure that you are in the **master branch**

2. (if you have the project zip file) Import the project as a Gradle Project
3. If you do not see the "Gradle Tasks" window in Eclipse (see image below). Go to
   Window → Show View → Other → Gradle Tasks.
4. Refresh the gradle tasks.
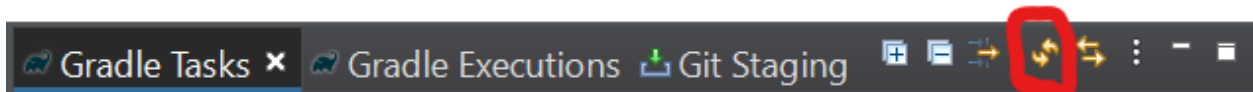
5. Click on the EECS331--project folder → build → build (double click).

6. Click on the EECS331--project → application → run (double click).

Please note that clicking "build" will run the Junit tests, if you wish to only run the GUI skip "build" and run immediately.

4 Using the System

When you run the software *(See <u>section 3.2</u> on how to install and run the software)*, you will see the following main screen:
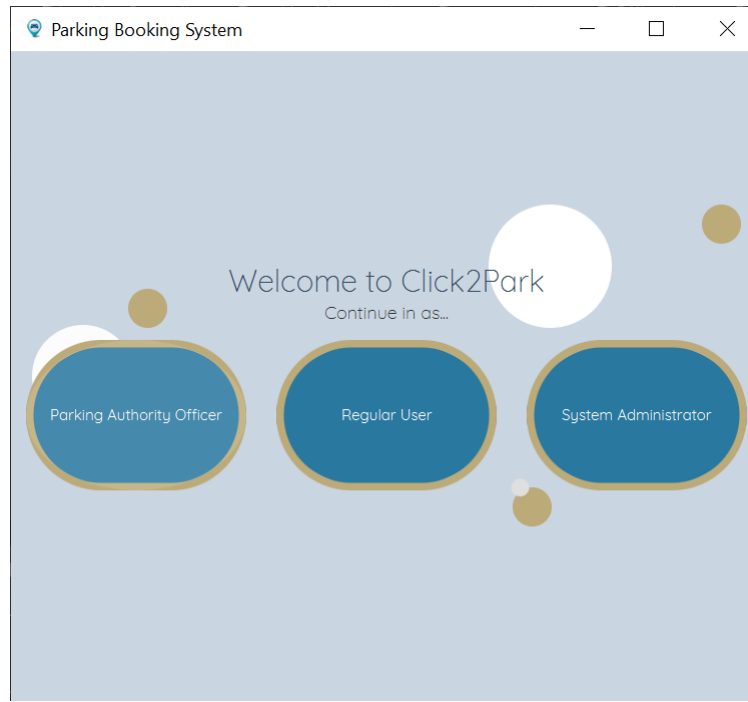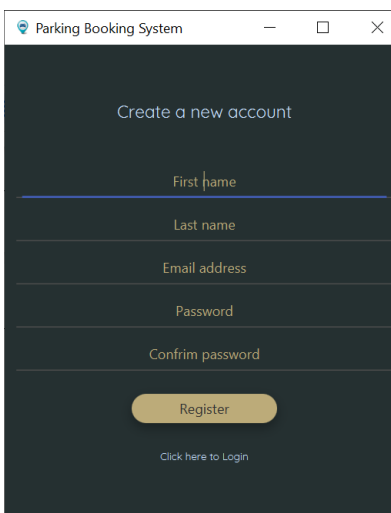

Figure: Software Main Window

The following subsections provide detailed, step-by-step instructions on how to use the various functions or features of the Parking software.
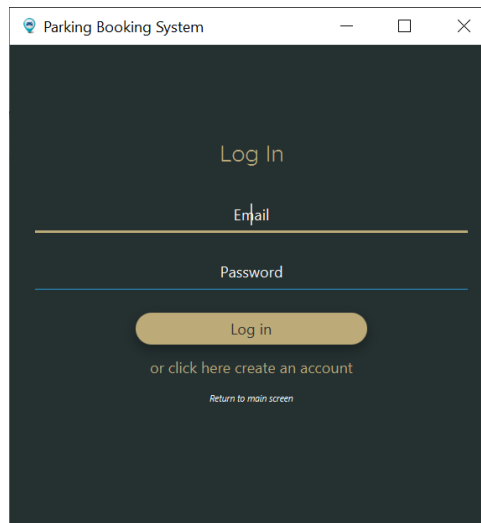
4.1 Continue as a *Regular User*

4.1.1 Create a new account

You can create a new account by entering you First and Last names, a valid email address, and a password
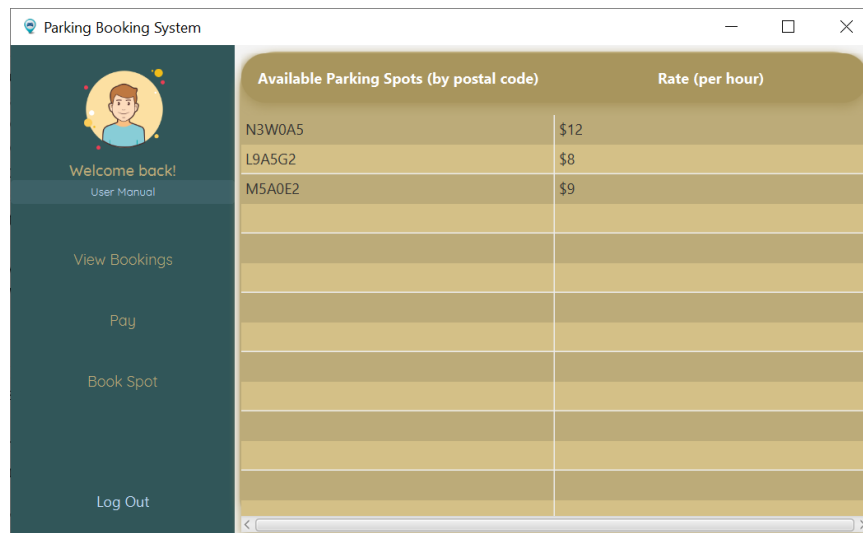
4.1.2   Log in

After successfully creating an account, you can go back to the login screen and login using the email address and password you used for creating the account in *section 4.1.1*

4.2   Regular Users' Main View

4.3   Book a Parking Space

4.4 View Booked Spots

4.5   Pay

After entering the valid Payment information as above, you can either click on "Pay Now" to pay for the spot, or you can save the current payment settings for a future setting.

If you would like to load the previously saved payment method/information, click on the "use saved payment" button at the bottom of the window.
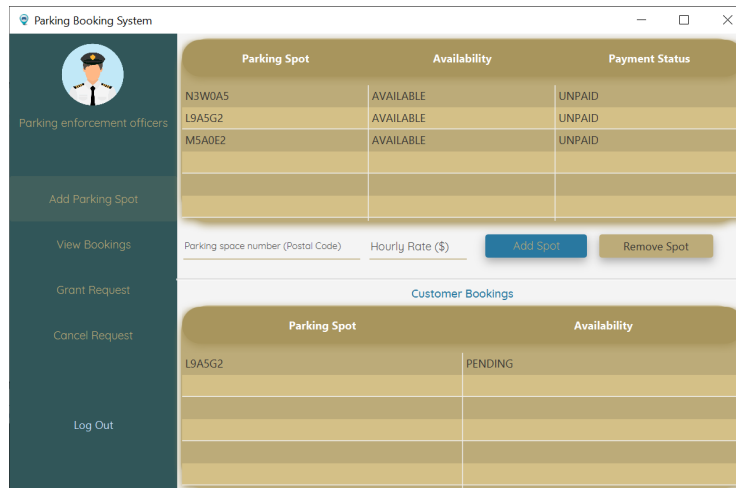
4.6   Continue as a *Parking Authority Officers*

To continue as a Parking Authority Officer, you must be a verified officer with a given unique ID and password.
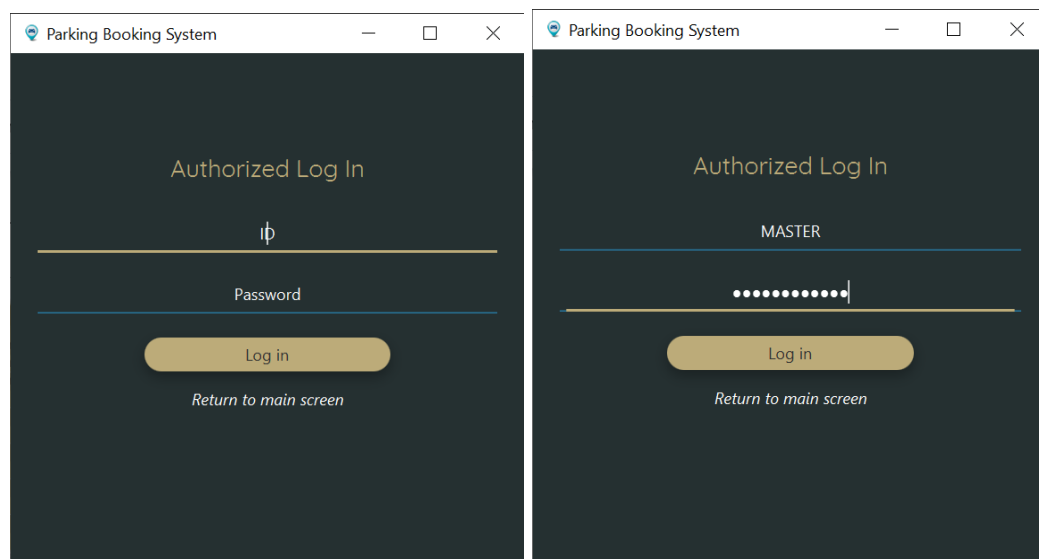
4.7   *Parking Authority Officer's view*

As a Parking Authority Officer, you can add/remove parking spots, and grant/cancel booking requests.
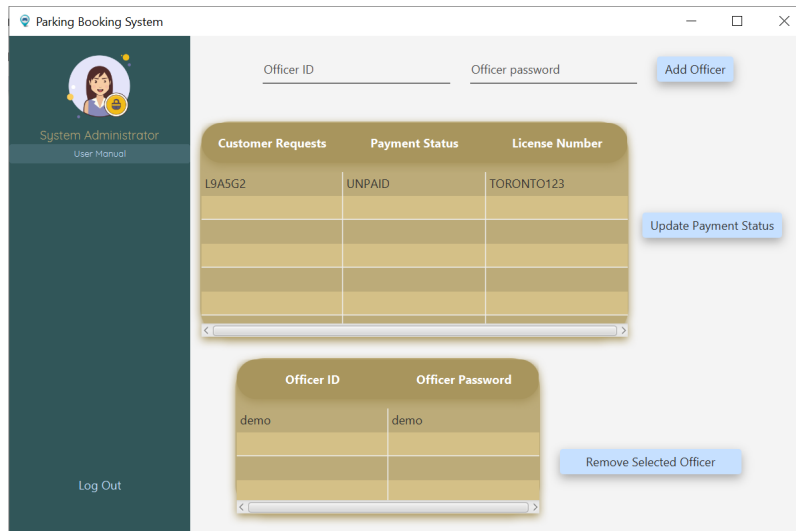
4.8   Continue as a *System Administrator*

To continue as a System Administrator, you must use a Master ID and password.

- Master ID: **MASTER**
- Master Password: **MASTERLOGIN!**

## 4.9   *System Administrator's view*

Logged in as a System Administrator, you can add/remove Parking Authority Officers, and update a user's payment status to PAID.

5.   Error Handling

5.1   Regular User attempting to book more than 3 spots

If a user attempts to book a spot when they already have 3 bookings, the software will not allow them to and will show an error message as follows:
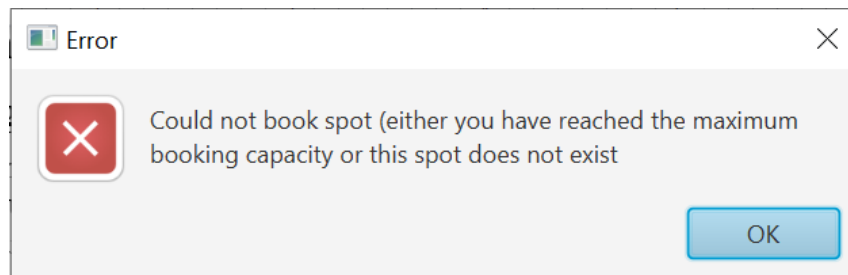
6.   Troubleshooting

If you run into any issues while using or trying to run the software, please contact:

- **Lian Attily: lianattily@gmail.com**