

# **Parking Booking System**

## **User Manual**

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**Version 1.0**

**04/15/2021**

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# 1. Introduction

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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

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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

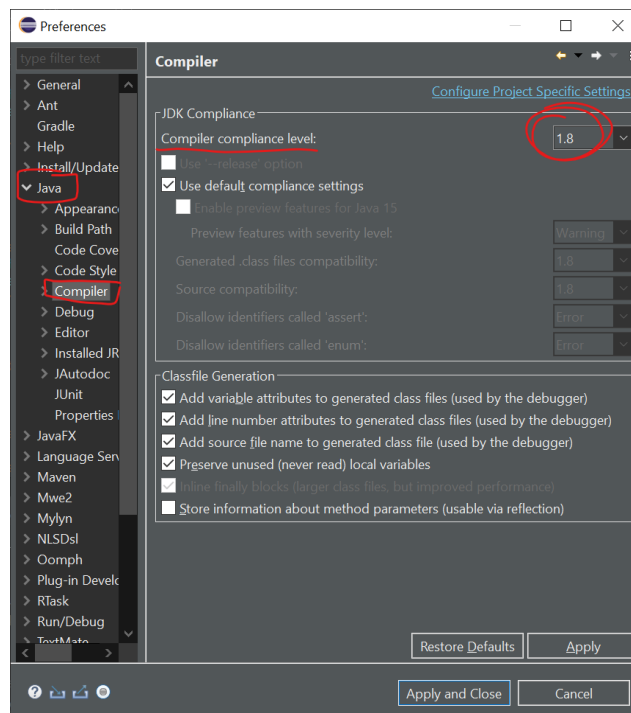
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## 3.1 System Requirements

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>.

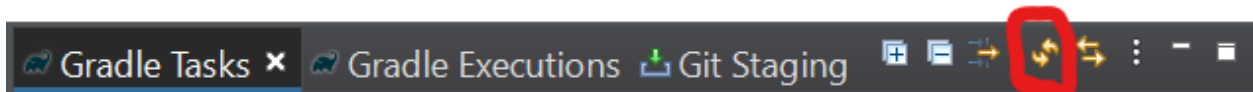
To check if you have it, go to **File** → **Properties** → **Java Compiler** → **Compiler Compliance Level** → **1.8** (Check screenshot below for reference).



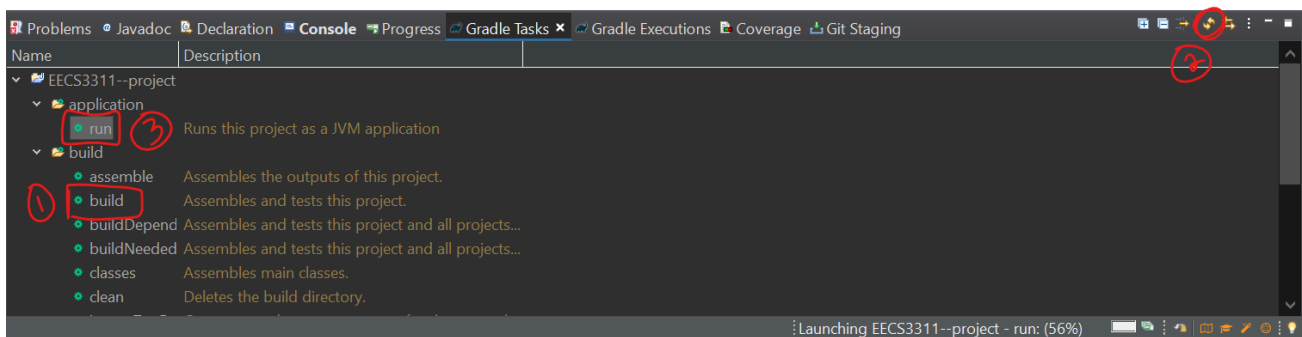
## 3.2 Installing the System

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 EECS3311--project folder → build → build (double click).
6. Click on the EECS3311--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 [section 3.2](#) on how to install and run the software), you will see the following main screen:

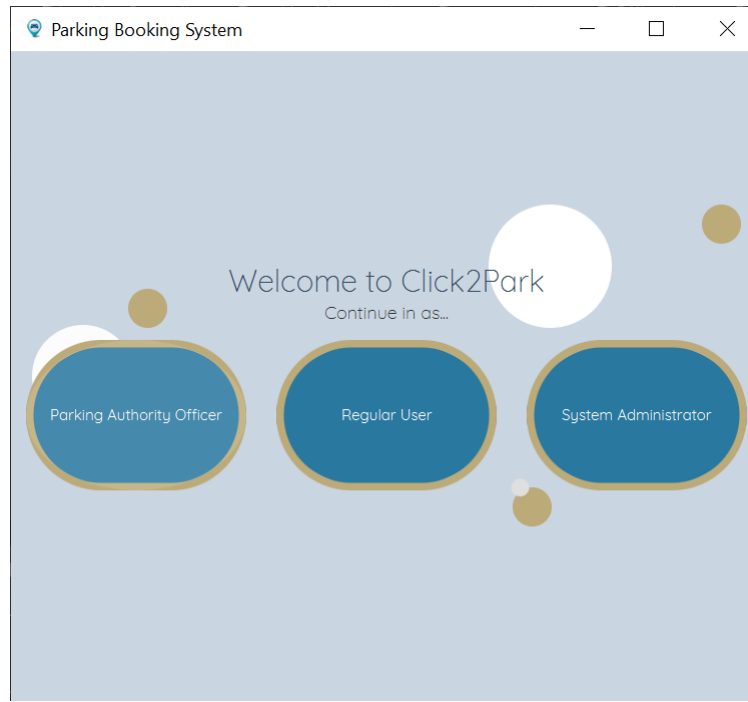
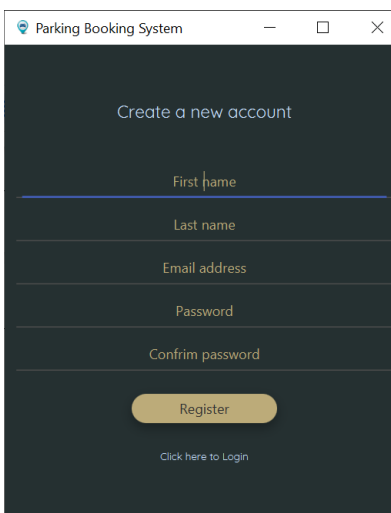


Figure: Software Main Window

The following subsections provide detailed, step-by-step instructions on how to use the various functions or features of the Parking software.

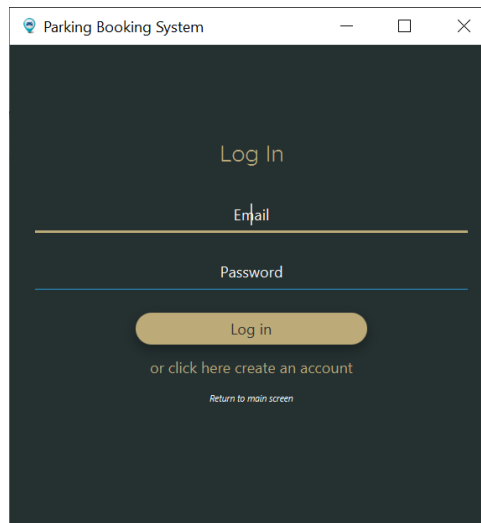
### 4.1 Continue as a *Regular User*

#### 4.1.1 Create a new account

The image shows a web browser window titled "Parking Booking System". The main content area has a dark blue background. At the top, it says "Create a new account". Below this, there are five input fields with labels: "First name", "Last name", "Email address", "Password", and "Confirm password". At the bottom, there is a gold "Register" button and a link that says "Click here to Login".

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

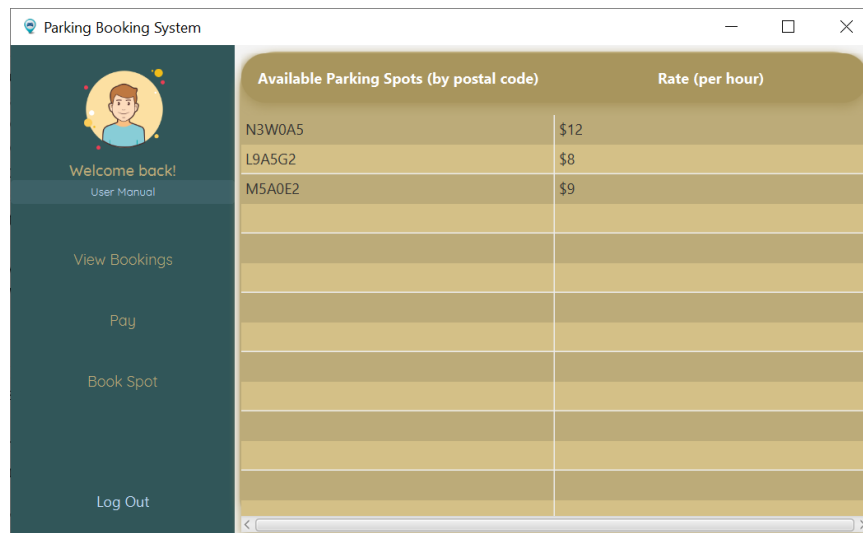
### 4.1.2 Log in



The screenshot shows a web browser window titled "Parking Booking System". The main content area has a dark blue background. At the top, it says "Log In" in white. Below that is a form with two input fields: "Email" and "Password", both with white text and a light blue underline. A yellow "Log in" button is centered below the fields. Below the button, there is a link "or click here create an account" and a smaller link "Return to main screen" at the bottom.

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



The screenshot shows a web browser window titled "Parking Booking System". The main content area has a dark blue background. On the left, there is a sidebar with a user profile icon, a "Welcome back!" message, a "User Manual" link, and buttons for "View Bookings", "Pay", "Book Spot", and "Log Out". The main content area displays a table titled "Available Parking Spots (by postal code)" and "Rate (per hour)". The table has two columns: "Available Parking Spots (by postal code)" and "Rate (per hour)". The table contains three rows of data:

Available Parking Spots (by postal code)	Rate (per hour)
N3W0A5	\$12
L9A5G2	\$8
M5A0E2	\$9

## 4.3 Book a Parking Space

Advanced Options

Available Spots (Postal Code)

License plate number

Pick a booking date

From: Hour : Minute Until: Hour : Minute

Please use 24HR format (i.e. 2PM is 1400)

Book spot Cancel

Advanced Options

N3W0A5

TORONTO123

4/24/2021

From: 10 : 30 Until: 12 : 45

Please use 24HR format (i.e. 2PM is 1400)

Book spot Cancel

## 4.4 View Booked Spots

Advanced Options

Parking Spot	Payment Status	Expiration
N3W0A5		15:30 21/04/2021

Cancel selected booking

## 4.5 Pay

The image shows two screenshots of a 'Payments' window. The left screenshot shows the initial state with 'Paypal' selected and empty input fields. The right screenshot shows the form filled out with 'JOHN SMITH', card number '123456789', expiration date '4/24/2021', and CVV '123'. The amount to pay is \$18.0. Both screenshots have a 'Pay Now' button and a link to save payment settings.

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.

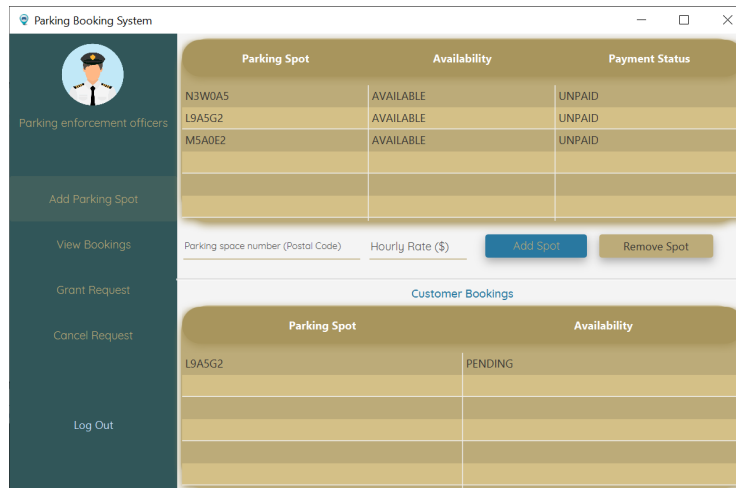
## 4.6 Continue as a *Parking Authority Officers*

The image shows a screenshot of the 'Authorized Log In' window. It has a dark background with a light blue header bar that says 'Parking Booking System'. The main content area has a light blue background with the text 'Authorized Log In' in a large, bold font. Below this is a form with two input fields: 'ID' and 'Password'. There is a 'Log in' button and a link to 'Return to main screen'.

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

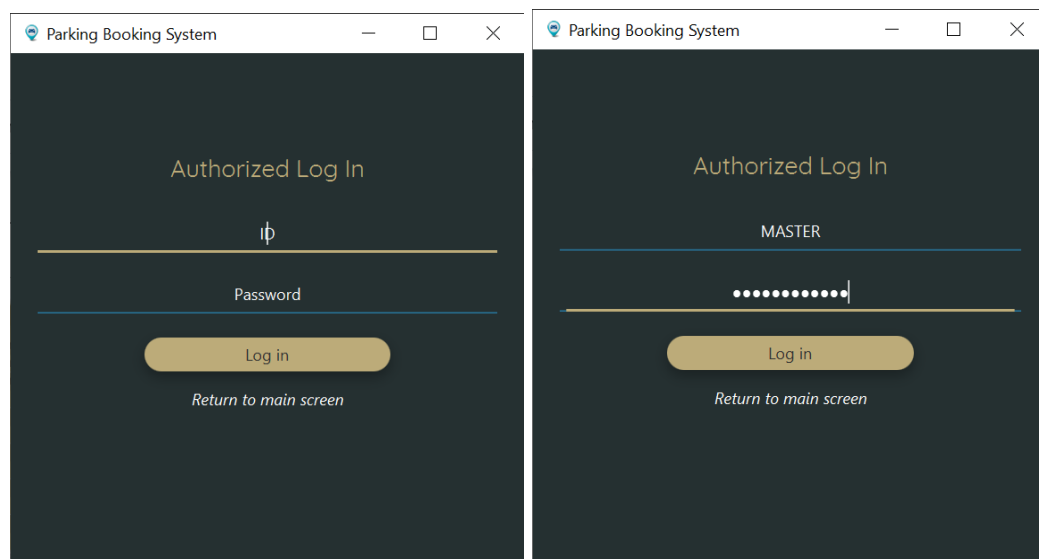
## 4.7 *Parking Authority Officer's view*





As a Parking Authority Officer, you can add/remove parking spots, and grant/cancel booking requests.

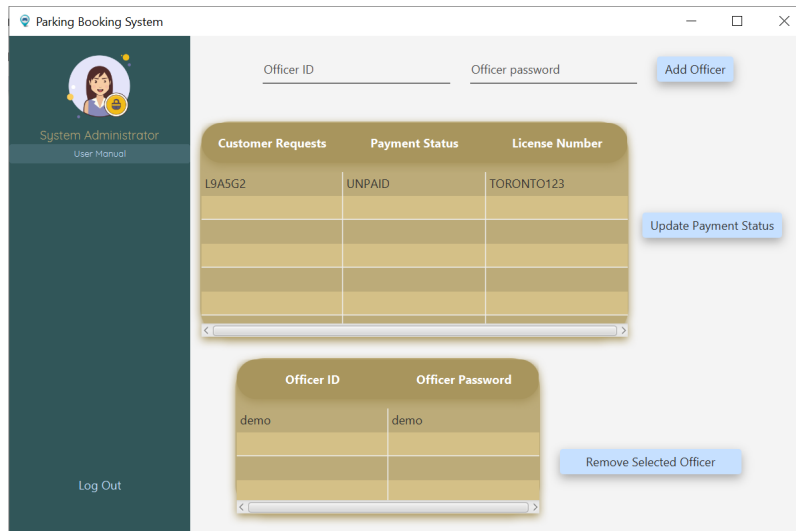
## 4.8 Continue as a *System Administrator*



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*

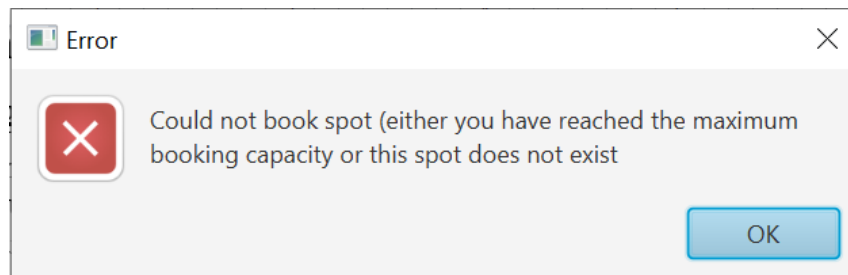


Logged in as a System Administrator, you can add/remove Parking Authority Officers, and update a user's payment status to PAID.

## 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](mailto:lianattily@gmail.com)