

# **User Documentation**

**Inspark**

Group #14

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## **Front-End**

### **Accounts**

One can quickly create an account by specifying the appropriate credentials under the “Register” section of the popup that appears after clicking on the “My Account” button. After pressing the “Logout” button to log out of one’s account, a user may access the same account by entering the appropriate credentials under the “Login” section of the previously mentioned popup. Once logged in, one may view personal information and information about their vehicle to the right of the user interface. Currently, all information fields can be edited at any time and saved by clicking the “Save Changes” button.

### **Virtual Map**

Only when logged in may a user may view a virtual map to the left of the user interface. This map reflects the state of the parking lot, showing the occupancy status of each and every parking space in real time. Buttons to the left of the map view allow the user to switch views between floors or sections of the parking lot. Red circles represent occupied spots, yellow circles represent reserved spots, and green circles represent available spots. If the user is parked at the parking lot, a blue circle will represent his or her parking spot. Additionally, the button corresponding to the section or floor that the user’s vehicle is parked in will have a blue outline, making it easier to locate one’s own vehicle.

### **Reservation**

Under the virtual map and information entry sections, one can view the state of any reservations they may have. To create a reservation, one selects an available spot on the virtual map above. Input forms will then appear in the section below, allowing the user to enter two dates and times, each for the beginning and end of the reservation. Clicking “Cancel” stops the process immediately and hides the date/time form. Otherwise, clicking “Submit Reservation” saves the inputted reservation information, which will then appear above the input forms. This reservation itself can also be canceled at any time by clicking on the “Cancel Reservation” button that appears and is only visible when the user has already submitted a reservation.

## **Back-End**

After entering valid credentials, a user can view a list of vehicles in a parking lot. By selecting an entry in the list, the user can view the appearance of the car, the car's make and model, and other identifying information. For testing purposes, an interface to the left currently allows the user to simulate the entrance or departure of a car.