CPTS 583 Deliverable 2-2 Software Documentation

Introduction:

This is a parking lot management system to provide users search and reserve a parking space in our parking area.

Installation & Configuration:

Link to repository: https://github.com/SKS-SPS-quality/Team-Project

This is designed to figure out the parking lot management. Parking lot management is a web-based application which provide correlated service such as reserving parking slot. This system, therefore, required browsers. However, this prototype is under construction which provide only access with VSC. User must install VSC along with"Live Server" package installed. We plan to further our work and move this parking system to AWS elastic beanstalk at final stage combining mongoDB database backend system to achieve our goal.

Usage for Users

Drivers

Search - on the "Parking information" tab

Our users, drivers, are able to check the parking information on our system. They can check their location of car, period of parking and time of check-in. The users only need to type their car plate to find the results.

Search - on the "Pay parking fee" tab

Pay parking fee is a function to calculate the parking fee when the drivers want to check out. In this function, they need to type their plate; then the system will show the current parking fee. After conforming, click "go to pay", it will take users to the "payment" page for paying fee with credit card.

Search - on the "make/check reservation" tab

First, they can choose the reservation time when the users are going to reservation page. They are not only need to choose the time but enter the car plate at the same time. In this step, our system is going to show availability. To save this part, it will show reservation results for users.

Search - on the "Call manager" tab

There are two options for user. Message and phone-call can help the user to find manage for assistance.

Notes

1. Our system can only insert the car plate by manual input.
2. The payment function can only store the number of credit card.
3. The phone call button cannot contact the manager directly but it shows the manager's phone number recently. 509123456

To test Features:

Car Plate: Any plate is available.

Phone number: Any phone number is available.