1. Product Analysis

This website will mainly be used by the people who will be using the parking lots. The main feature of the software is estimating the parking cost with time and date. The website functions by user inputting the time, date and the parking lot they are using. The website will then estimate how much it will cost them.

1. Test strategy

The following function will be tested (in scope)

* All the user input
  + Date/time
  + Parking lot option
* Testing all the parking rates

Nonfunctional will not be in the testing such as stress, performance.(out of scope)

The type of testing we are using is going to be unit testing and system testing. There are no risks and issues that could happen during testing. The people who will be testing are the QA engineer.

1. Defining objectives

The overall goal is to make sure all the user input is working as intended. Need to test all the user input fields and testing all the parking rates that is provided on the website.

* All the user input
  + date/time
  + Parking lot option
* Testing all the parking rates

1. Establish test criteria
   * Suspension criteria: if QA team find that 70% of all test cases have failed, then testing is suspended until the developers resolve all of the bugs that have been identified
   * Exit criteria: 80% of all test cases must be passed.
2. Planning resource allocation

|  |  |  |
| --- | --- | --- |
| Role | Member | Responsibilities |
| Tester | Hua-Pei Yen | * Create test * Execute test |

1. Planning setup of test environment
   * Cypress
   * Browsers (Chrome, FireFox, Safari, Edge)
2. Determine test schedule and estimation

|  |  |  |
| --- | --- | --- |
| Task | Member | Estimate time |
| Test plan | Hua-Pei | 3 hours |
| Test script | Hua-Pei | 5-10 hours |
| Test defect report | Hua-Pei | 3 hours |

1. Test deliverables
   * Test plan
   * Test scripts
   * Test result/report
   * Defect report

Defect report

* If the entry date and leaving date is the same but the leaving time is earlier than entry time there is no error messages
* There is also no validation on the dates