

TEST PLAN FOR PARKING FEE CALCULATOR

ChangeLog

Version	Change Date	By	Description
version number	Date of Change	Name of person who made changes	Description of the changes made
1.0	10/13	Leo Li	Initial Plan

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1 Introduction

The web application will allow users to enter the date and time for their parking information, and it will calculate the parking fee. The test plan is for testing this calculator web app. This plan uses Agile methodology.

1.1 Scope

1.1.1 In Scope

1. System functionality test
2. Compatibility test
3. Boundary test
4. Positive test
5. Negative test

1.1.2 Out of Scope

1. Unit test
2. Integration test
3. Accessibility test
4. Performance test
5. Stress test
6. Load test
7. Security test

1.2 Quality Objective

- Ensure app is compatible with web browsers (Chrome, Firefox and Safari)
- Ensure the calculator produce correct park costs estimate
- Ensure overall technical functionality of the parking fee calculator

- Major bugs/issues are identified and fixed before go live
- Custom acceptance testing pass rate reaches to 100%

1.3 Roles and Responsibilities

- Test Manager:
 - Approve for the test plan
 - Approve for the test reports
 - Approve for project exit criteria
- QA tester:
 - Manual test on all major browsers compatibility
- Software Engineer In Test - Leo Li:
 - Create test plan
 - Create and maintain automated test cases
 - Attend agile team meetings and communicate test status with team
 - Execute test cases during development phase
 - Report defects and follow up defects till the end of its life cycle
 - Prepare test metrics and reports
 - Support customer to conduct acceptance testing

2 Test Methodology

2.1 Overview

Agile Methodology

2.2 Test Levels

System Testing

2.3 Suspension Criteria and Resumption Requirements

Suspension Criteria: If 30% of more test cases failed

Resumption Criteria: 70% of the failed test cases bugs got fixed

2.4 Exit Criteria

Test Manager approval for exit criteria

3 Test Deliverables

- Test Plan
 - Test Cases
 - Bug Reports
 - Test Metrics
 - Customer Sign Off
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4 Resource & Environment Needs

4.1 Testing Tools

- Atlassian JIRA - requirement and bug tracking
- Cypress - Test Automation

4.2 Test Environment

hardware requirements

- computers or mobile devices that have internet connection

software requirements

- Chrome
- Firefox
- Safari

5 Schedule & Estimate

- Write Cypress test cases - Est 2 hrs
- test user access - Est 1 hrs
- log bugs - Est 2 hrs