*PARKSWIFT*

PROJECT TEST REPORT

Version 3.0

*11/02/2024*

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Implemented**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 1.0 | *Tan Soon Kang* | *16th Jan 2024* | *Harold Harry Barroga Adduru* | *18th Jan 2024* | *Version 1.0 consists of the base template on how were going to further add on features into the app* |
| 2.0 | Tan Soon Kang | 6th February 2024 | Harold Harry Barroga Adduru | 8th February 2024 | Version 2.0 is the merged version of Version 1.0 and Soon Kang’s Features/Part implementation |
| 2.1 | Harold Harry Barroga Adduru | 8th February 2024 | Tan Soon Kang & Wong Yong Kang Nigel | 10th February 2024 | Version 2.1 is the merged version of Version 2.0 and Harold’s Features/Part implementation |
| 2.2 | Wong Yong Kang Nigel | 10th February | Harold Harry Barroga Adduru | 10th February 2024 | Version 2.2 is the merged version of Version 2.1 and Nigel’s Features/Part implementation |
| 3.0 | Harold Harry Barroga Adduru | 11th February 2024 | Wong Yong Kang Nigel & Tan Soon Kang | 11th February 2024 | Version 3.0 is the finalised Version of the app. Up and running, merged features/part implementation consisting of Harold’s , Soon Kang’s and Nigel’s. |

***Note to the Author***

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**Table of Contents**

[**1.0 Introduction**](#_heading=h.1fob9te) **4**

[1.1 Purpose](#_heading=h.3znysh7) 4

[**2.0 Test Summary**](#_heading=h.2et92p0) **4**

[*2.1 Test Type (Function, Ad-Hoc, Performance, etc.)*](#_heading=h.tyjcwt)4

[*2.2 Test Type (Function, Ad-Hoc, Performance, etc.)*](#_heading=h.3dy6vkm)4

[*2.3 Test Type (Function, Ad-Hoc, Performance, etc.)*](#_heading=h.1t3h5sf)4

[*2.4 Test Type (Function, Ad-Hoc, Performance, etc.)*](#_heading=h.1t3h5sf)4

[**3.0 Test Assessment**](#_heading=h.4d34og8) **5**

[**4.0 Test Results**](#_heading=h.2s8eyo1) **5**

[Funciton](#_heading=h.26in1rg) Test 5

[**5.0 Variances**](#_heading=h.2jxsxqh) **6**

[**6.0 Test Instances**](#_heading=h.z337ya)6

[Resolved Test Incidents](#_heading=h.3j2qqm3) 6

[Unresolved Test Incidents](#_heading=h.1y810tw) 6

[**7.0 Recommendations**](#_heading=h.4i7ojhp) **6**

# 1.0 Introduction

## 1.1 Purpose

This PARKSWIFT Test Report summarizes the results of tests performed as outlined in this document.

# 2.0 Test Summary

**Project Name**: *PARKSWIFT*

**System Name**: *Android*

**Version Number**: *1.0.0*

**Additional Comments**: *N.A.*

## *2.1* *Unit TEST*

*This tests various small components of the app. I.e.: The Login Fields for Login Activity, Buttons etc.*

**Test Owner**: *Wong Yong Kang, Nigel*

**Test Date**: *[07/02/2024] - [08/02/2024]*

**Test Results**: *Mostly Successful*

**Additional Comments**: *Had a slight error in linking login credentials to firebase but was fixed adeptly.*

## *2.2* *INTEGRATION TEST*

*This tests the integration of various parts of the app. I.e.: Ensuring that login page transitions into the home page where you can select other pages to go to etc.*

**Test Owner**: *Harold Harry Baruga Adduru*

**Test Date**: *[08/02/2024] - [10/02/2024]*

**Test Results**: *Mostly Successful*

**Additional Comments**: *There were some integration errors when attempting to link all the pages together, e.g. layout errors, but they were fixed adeptly.*

## *2.2* *FUNCTIONALITY TEST*

*Test as user of our app, checking its functionality after our whole application has been integrated together*

**Test Owner**: *Tan Soon Kang*

**Test Date**: *[10/02/2024] - [11/02/2024]*

**Test Results**: *Successful*

**Additional Comments**: *N.A.*

# 3.0 Test Assessment

*We did a lot of testing on each of our individual codes to ensure that they worked as expected. However, many issues arose while we were trying to integrate our codes together. In hindsight we should have consulted with one another on how some of our pages are meant to transition into other pages, to make the integration process much simpler and more efficient.*

# 4.0 Test Results

*Most of our tests were successful, however we discovered multiple errors. We had some typos which did not cause any syntax errors, however it caused some of our applications’ features to not work properly during our testing. We also discovered clashes in our codes when integrating them together. However, these problems were promptly fixed when we ran through our code again.*

## *4.1*<SPLASH screen>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 16th January 2024 | TAN SOON KANG | Pass | No defects | No defects | Splash Activity to show our app’s brand |
| 2 | 8th February2024 | TAN SOON KANG | Pass | No defects | No defects | Included background music when splash screen loads |

## *4.2*<START UP FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 2 | 18th January  2024 | TAN SOON KANG | Pass | No defects | No defects | Page to show right before Home page and right after Splash Screen |

## *4.3*<PROFILE FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 3 | 25th January  2024 | TAN SOON KANG | Pass | No defects | No defects | PROFILE CUSTOMIZATION |

## *4.4*<POINTS FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 4 | 8th FEBRUARY | TAN SOON KANG | Pass | No defects | No defects | SHOW AVAILABLE POINTS AND POINTS THAT CAN BE REDEEMED |

## *4.5*<PAYMENT FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 5 | 10 | TAN SOON KANG | Pass | No defects | No defects | SELECT FROM A VARIETY OF PAYMENT OPTIONS |

## *4.6*<ADD CARD FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th January 2024 | TAN SOON KANG | Pass | No defects | No defects | SAVE CARD DETAILS FOR FUTURE PAYMENT METHODS |

## *4.7*<PAYMENT SUCCESSFUL FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th January 2024 | TAN SOON KANG | Pass | No defects | No defects | ONCE PAYMENT IS CONFIRMED A PAGE WILL SHOW THAT IT HAS SUCCESSFULLY BEEN PAID |

## *4.8*<LOGIN FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th January 2024 | Wong Yong Kang Nigel | Pass | No defects | No defects | LOGIN PAGE RIGHT BEFORE HOME PAGE. CREDENTIALS IS COMPARED IN DATA IN FIREBASE DATABASE IN WHICH IF DATA ENTERED IS WRONG IT’LL PROMPT AN ERROR MESSAGE AND NOT ALLOW YOU TO PROCEED TO HOME FRAGMENT |

## *4.9*<SIGN UP FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th January 2024 | WONG YONG KANG NIGEL | Pass | No defects | No defects | SIGN UP AN ACCOUNT IF NO ACCOUNT YET, DETAILS WILL BE SAVED INTO FIREBASE DATABASE |

## *4.10*<HELP CENTER FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th January 2024 | WONG YONG KANG NIGEL | Pass | No defects | No defects | HELP CENTER PAGE |

## *4.11*<COMMUNITY FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 5th FEBRUARY 2024 | WONG YONG KANG NIGEL | Pass | No defects | No defects | COMMUNITY FORUM PAGE |

## *4.12*<SOCIALS FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 8TH FEBRUARY 2024 | WONG YONG KANG NIGEL | Pass | No defects | No defects | SOCIAL MEDIA PAGES |

## *4.13*<HOME FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th JANUARY 202 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | HOME PAGE CONSISTING OF BOTTOM NAV BAR , DRAWER LAYOUT AND ETC |

## *4.14*<NAVIGATION DRAWER>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 8th FEBRUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | NAV DRAWER TO LINK ALL THE FEATURES IN THE APP |

## *4.15*<BOTTOM NAVIGATION BAR & VIEW>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th JANUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | BOTTOM NAV VIEW |

## *4.16*<GOOGLE MAP FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 10TH FEBRUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | GOOGLE MAP TO SHOW LIVE LOCATION, DESIRED LOCATION AND DIRECTIONS VIA CAR |

## *4.17*<SEARCH FILTER QUERY>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 8TH FEBRUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | SEARCH VIEW FILTER BASED ON AVAILABLE DATA IN FIREBASE DATABASE |

## *4.18*<HISTORY FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th January 2024 | TAN SOON KANG | Pass | No defects | No defects | Ready to use |

## *4.19*<QR SCANNER & GENERATOR FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 8TH FEBRUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | QR CODE GENERATOR / SCANNER FOR AUTHENTICATION |

## *4.20*<SETTINGS FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 30th Januar 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | SETTINGS FRAGMENT TO ALLOW CUSTOMIZATION OF APP |

## *4.21*<FAVOURITE RECYCLER VIEW>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 11th FEBRUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | RECYCLER VIEW LIST OF FAVOURITED CARPARKS |

## *4.22<EXIT FROM* apP FUNCtion>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 11TH FEBRUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | EXIT FROM APP |

## *4.23*<SHOw on map directions from live location to desired location>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 11th FEBRUARY 202 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | SHOW ON MAP DIRECTIONS FROM LIVE LOCATION AND SEARCHED LOCATION |

## *4.24*<COUNTDOWN TIMER ON BOOKING SLOT FRAGMENT>

The table below summarizes the test cases employed for <function test> and the test results obtained for each test case:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Comments |
| 1 | 10th FEBRUARY 2024 | HAROLD HARRY BARROGA ADDURU | Pass | No defects | No defects | COUNTDONW TIMER FOR BOOKING SLOTS |

# 5.0 Variances

*Most of the tests we planned to do were very similar to what was conducted. We conducted them manually and checked logcat for errors, then fixed them by isolating each error. We only tested the application on android studio; thus the testing environment might be slightly different from the actual app on phone.*

# 6.0 Test Instances

*There were brief errors occasionally appearing throughout the integration and testing processes.*

## Resolved Test Incidents

*Due to a few small typos in coding, some of the codes had runtime errors. Due to the nature of runtime errors, we were unable to detect them as they do not show up until we run the app. Thus, we had to look through several lines of code manually to detect these errors.*

## Unresolved Test Incidents

*NIL*

# 7.0 Recommendations

*Start on our project earlier so we can have more time to debug these errors and prevent them from happening.*