# PARKING CALCULATOR - TEST DOCUMENTATION

#### 1. Introduction

The goal of this document is to provide a detailed overview of the testing activities inside Parking Calculator project, including test strategy, test execution, results, and any defects identified. This document covers functional testing, cross-browser testing, and edge case testing for Parking Calculator project.

#### 2. Test Overview

- Project Name: Parking Calculator

- Tested By: Kevin Sugeng

- Tools:

o Jira: For tracking project progress, managing test cases, and logging defects.

 Zephyr Scale: Tools that can integrated with Jira for creating and executing test cases with Jira.

o Selenium: Automation tool used for executing repetitive and regression testing.

- Test Environment:

o Web browsers: Chrome, Firefox.

- Epic and User Stories Covered:

o Epic: Testing Parking Calculator

<b>User Story ID</b>	User Story Title	Description
SCRUM-10	As a user, I want to select a parking lot type so	Ensure users can select
	that I can calculate the parking cost based on my	different parking lot types and
	selection	calculated correct calculations.
SCRUM-17	As a user, I want to calculate the cost of Valet	Test Valet Parking cost
	Parking based on different durations so I can see	calculations for various
	how much I need to pay.	durations.
SCRUM-18	As a user, I want to calculate the cost of Lot	Verifies accurate Lot Parking
	Parking based on different durations so I can know	fee for different time periods.
	the total fee.	
SCRUM-19	As a user, I want to calculate the cost of Hourly	Checks Hourly Parking
	Parking based on different durations so I can find	charges, making sure correct
	out what the charge will be.	cost increases with time.
SCRUM-20	As a user, I want to calculate the cost of Hourly	Confirms Garage Parking fees
	Parking based on different durations so I can find	are calculate correctly for
	out what the charge will be.	hourly and daily rate.
SCRUM-21	As a user, I want to calculate the cost of Surface	Verifies Surface Parking cost
	Parking based on different durations so I know	calculations are accurate for
	how much it will cost me.	several durations.

# 3. Test Execution and Cycles

#### **Test Cycles Overview**

Test Cycles 1: Functional Testing Cycle 1

- Cycle ID: SCRUM-R6

- Duration: 07/28/24

- Objective: Validate basic functionality of Parking Calculator across different parking lot types

- Test Cases: 5

- Pass: 4

- Fail: 1 (SCRUM-T6 – Valet Parking)

- Summary: In the first cycle, most of test cases has passed except for the valet parking, where the system showed an incorrect parking cost. This issue was resolved by developer and in subsequent testing.

SCRUM-R6 Parking Calo	ulator - Functional testing Cycle 1																
ID	Test Case Name	Precondition	Objective	Priority	QA Name	Test Step	Test Data	Expected	Result				I	Actual Result	Status		
	Type - Lot Parking - User able to select a parking lot		User able to select a parking lot type so that it can			Go to http://127.0.0.1:5500/src/		User show	User should be able to see the parking cost application		"		Parking cost				
SCRUM-T2	type so that It can calculate the parking cost based on	User is on the Parking Calculator page.	calculate the parking cost based on the selection	High	Kevin Sugeng	Choose Parking Lot	Lot Parking	User show	uld be able to sel	elect Lot p	arking from	n the dropdown		shown as \$9	PASS		
	the selection		Concurate the parking cost based on the selection			Enter entry date and time	08/28/2024 12:00	User show	uld be able to en	nter entry	date and ti	ime	,	כל נם וואטונ			
						Enter leaving date and time	08/28/2024 22:00	User show	uld be able to en	nter leavi	g date and	time					
						Click 'Calculate' button		Parking co	ost should be sho	nows as \$	)						
	Type - Hourly Parking - User able to select a parking lo	t	Heavahla to colort a modical lat time so that			Go to http://127.0.0.1:5500/src/		Usershoo	uld be able to se	ee the par	king cost aç	pplication		Parking cost			
SCRUM-T3	type so that It can calculate the parking cost based on	User is on the Parking Calculator page.	User able to select a parking lot type so that It can calculate the parking cost based on the selection	High	Kevin Sugeng	Choose Parking Lot	Lot Parking	User show	uld be able to se	elect Lot p	arking from	n the dropdown		shown as \$2	PASS		
	the selection					Enter entry date and time	08/28/2024 12:00	User show	uld be able to en	nter entry	date and ti	ime	,	SIIUWII dS \$2			
						Enter leaving date and time	08/28/2024 13:00	User show	uld be able to en	nter leavi	ig date and	time					
						Click 'Calculate' button		Parking co	ost should be sho	nows as \$	l			7			
	Type - Garage Parking - User able to select a parking lype so that it can calculate the parking cost based on the selection	*	User able to select a parking lot type so that it can calculate the parking cost based on the selection				Go to http://127.0.0.1:5500/src/		User show	uld be able to se	ee the par	king cost aç	pplication		Parking cost		
SCRUM-T4				High	Kevin Sugeng	Choose Parking Lot	Garage Parking	User show	uld be able to se	elect Gara	ge parking '	from the dropdow	wn	shown as \$10	PASS		
				calculate the parking cost based on the selection	calculate the parking cost based on the selection	calculate the parking cost based on the selection			Enter entry date and time	08/28/2024 12:00	User show	uld be able to en	nter entry	date and ti	ime		2UOMU 92 2TO
						Enter leaving date and time	08/28/2024 17:00	User show	uld be able to en	nter leavi	ig date and	time				†	PASS PASS
						Click 'Calculate' button		Parking co	ost should be sho	nows as \$	ί0						
	Type - Surface Parking - User able to select a parking		User able to select a parking lot type so that it can			Go to http://127.0.0.1:5500/src/		User show	uld be able to se	ee the par	king cost aç	pplication		Parking cost			
SCRUM-T5	lot type so that It can calculate the parking cost based	d User is on the Parking Calculator page.	calculate the parking cost based on the selection	High	Kevin Sugeng	Choose Parking Lot	Lot Parking	User show	uld be able to se	elect surfa	ce parking '	from the dropdow	wn	shown as \$10	PASS		
	on the selection					Enter entry date and time 08/28/2024 12:00		User show	User should be able to enter entry date and time		,	ZIIOMII 92 ŠTO					
						Enter leaving date and time	08/28/2024 17:00	User show	uld be able to en	nter leavi	g date and	time					
						Click 'Calculate' button		Parking co	ost should be sho	nows as \$	10						
	Type - Valet Parking - User able to select a parking lot		Haraki, kantak andro lakan akak k			Go to http://127.0.0.1:5500/src/		Usershoo	uld be able to se	ee the par	king cost aç	pplication		Dadina and			
SCRUM-T6	type so that It can calculate the parking cost based on	st based on User is on the Parking Calculator page.	User able to select a parking lot type so that It can calculate the parking cost based on the selection	High	Kevin Sugeng	Choose Parking Lot	Valet Parking	User show	uld be able to se	elect vale	parking fro	om the dropdown		Parking cost shown as \$12	FAIL		
	the selection					Enter entry date and time	08/28/2024 12:00	User show	uld be able to en	nter entry	date and ti	ime	s	SIIUWII 65 \$12			
						Enter leaving date and time	08/28/2024 17:00	User show	uld be able to en	nter leavi	ig date and	time		$\neg$			
					1	Click 'Calculate' hutton		Parking ru	nst should he sho	nnws as ¢	18						

Test Cycles 2: Functional Testing Cycle 2

- Cycle ID: SCRUM-R7

- Duration: 07/29/24

- Objective: Resolved Issues from the first cycle and ensure edge cases are handled correctly.

- Test Cases: 25

- Pass: 16

- Fail: 9

# Summary: The second cycle focused on retesting the failed cases from the first cycle and edge cases. . This issue was resolved by developer and in subsequent testing.

Functional Testing 2										
ID	Test Case Name	Precondition	Objective	Priority	QA Name	Test Step Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Test Data Valet Parking	Expected Result User should be able to see the parking cost application User should be able to select Valet parking from the dropdown	Actual Result	Status
SCRUM-T7	Valet Parking - Valid Entry and Exit Date/Time	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system calculates the correct parking duration when valid entry and exit dates and times are entered.	High	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and time t		User should be able to enter entry date and time  User should be able to enter exit date and time	Parking cost shown as \$12	PASS
						Gick on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Hourly Parking	Should be 512 as it have valid entry and exit date and time User should be able to see the parking cost application User should be able to select Hourly parking from the dropdown	should output	
SCRUM-T8	Hourly Parking - Exit Date/Time Before Entry Date/Time	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system displays an error message when the exit date/time is before the entry date/time.	Normal	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and time t		User should be able to enter entry date and time  User should be able to enter exit date and time	"Leaving date and time cannot be before entry	PASS
						Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Hourly Parking	should output "Leaving date and time cannot be before entry date and time User should be able to see the parking cost application User should be able to select Hourly parking from the dropdown	date and time"	
SCRUM-T9	Hourly Parking - Same Entry and Exit Date/Time	<ul> <li>User is on the Parking Calculator page.</li> <li>All input fields are visible and functional.</li> </ul>	Verify that the system handles the case where the entry and exit times are the same.	Normal	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and tme Click on the "Calculate" button.	08/29/2024 12:00 08/29/2024 12:00	User should be able to enter entry date and time  User should be able to enter exit date and time  should output "50"	Shows No Estimate	FAIL
SCRUM-T10	Surface Parking - Multiple Days Duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly calculates the parking duration when the exit date is on a different day than	Normal	Kevin Sugeng	Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time		User should be able to see the parking cost application User should be able to select Surface parking from the dropdown User should be able to enter entry date and time	Parking cost shown as \$10	FAIL
			the entry date.			Enter a valid exit date and time t Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/		User should be able to enter exit date and time should output \$60 User should be able to see the parking cost application User should be able to select Hourly parking from the dropdown		
SCRUM-T11	Hourly Parking - Edge case - One minute duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly handles cases where the duration is very short (e.g., one minute).	Normal	Kevin Sugeng		Hourly Parking 08/29/2024 12:00 08/29/2024 12:01	User should be able to enter entry date and time User should be able to enter exit date and time	Parking cost shown as \$2	PASS
		- User is on the Parking Calculator page.	Verify that the system calculates the correct parking			Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time	Hourly Parking 08/29/2024 09:00	Should output \$2.00 User should be able to see the parking cost application User should be able to select Hourly parking from the dropdown User should be able to enter entry date and time	Parking cost	
SCRUM-T13	Hourly Parking - Valid Entry and Exit Date/Time	- All input fields are visible and functional.	duration when valid entry and exit dates and times are entered.	High	Kevin Sugeng	Enter a valid exit date and time t Click on the "Calculate" button.		User should be able to enter exit date and time  Should be \$6 as it have valid entry and exit date and time	shown as \$6	PASS
SCRUM-T14	Garage Parking - Valid Entry and Exit Date/Time	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system calculates the correct parking duration when valid entry and exit dates and times are entered.	High	Kevin Sugeng	Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time t	Garage Parking 08/29/2024 09:00 08/29/2024 12:00	User should be able to see the parking cost application User should be able to select Garage parking from the dropdown User should be able to enter entry date and time User should be able to enter exit date and time	Parking cost shown as \$6	PASS
						Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Surface Parking	Should be \$6 as it have valid entry and exit date and time User should be able to see the parking cost application User should be able to select Surface parking from the dropdown	-	
SCRUM-T12	Surface Parking - Valid Entry and Exit Date/Time	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system calculates the correct parking duration when valid entry and exit dates and times are entered.	High	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and time t	08/29/2024 09:00	User should be able to enter entry date and time User should be able to enter exit date and time	Parking cost shown as \$6	PASS
		- User is on the Parking Calculator page.	Verify that the system calculates the correct parking			Glick on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time	Lot Parking 08/29/2024 09:00	Should be \$6 as it have valid entry and exit date and time  User should be able to see the parking cost application  User should be able to select Lot parking from the dropdown  User should be able to enter entry date and time	Parking cost	
SCRUM-T16	Lot Parking - Valid Entry and Exit Date/Time	- All input fields are visible and functional.	duration when valid entry and exit dates and times are entered.	High	Kevin Sugeng	Enter a valid exit date and time t Click on the "Calculate" button.		User should be able to enter exit date and time  Should be \$6 as it have valid entry and exit date and time  User should be able to see the parking cost application	shown as \$6	PASS
SCRUM-T17	Lot Parking - Multiple Days Duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly calculates the parking duration when the exit date is on a different day than the entry date.	Normal	Kevin Sugeng	Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time t		User should be able to see the paring cost application User should be able to select Lot parking from the dropdown User should be able to enter entry date and time User should be able to enter exit date and time	Parking cost shown as \$9	FAIL
						Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/		should output \$54  User should be able to see the parking cost application  User should be able to select Garage parking from the dropdown		
SCRUM-T18	Garage Parking - Multiple Days Duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly calculates the parking duration when the exit date is on a different day than the entry date.	Normal	Kevin Sugeng	Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time t		User should be able to enter entry date and time User should be able to enter exit date and time	Parking cost shown as \$12	FAIL
		- User is on the Parking Calculator page.	Verify that the system correctly calculates the parking			Glick on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time	Hourly Parking 08/29/2024 12:00	should output \$72 User should be able to see the parking cost application User should be able to select Hourly parking from the dropdown User should be able to enter entry date and time	Parking cost	
SCRUM-T19	Hourly Parking - Multiple Days Duration	- All input fields are visible and functional.	duration when the exit date is on a different day than the entry date.	Normal	Kevin Sugeng	Enter a valid exit date and time t Click on the "Calculate" button.		User should be able to enter exit date and time should output \$24	shown as \$24	PASS
SCRUM-T20	Valet Parking - Multiple Days Duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly calculates the parking duration when the exit date is on a different day than the entry date.	Normal	Kevin Sugeng	Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time t		User should be able to see the parking cost application User should be able to select Valet parking from the dropdown User should be able to enter entry date and time User should be able to enter exit date and time	Shows No Estimate	FAIL
		All input fields are visible and functional     User is on the Parking Calculator page.	tine errory conser-			Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Lot Parking	should output \$36 User should be able to see the parking cost application User should be able to select tot parking from the dropdown		
SCRUM-T21	Lot Parking - Same Entry and Exit Date/Time	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system handles the case where the entry and exit times are the same.	Normal	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and tme		User should be able to enter entry date and time User should be able to enter exit date and time should output SO	Parking cost shown as \$0	PASS
SCRUM-T22	Surface Parking - Same Entry and Exit Date/Time	- All input fields are visible and functional.		Y Normal	Kevin Sugeng	Gick on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time	Surface Parking 08/29/2024 12:00	Should output 50 User should be able to see the parking cost application User should be able to select Surface parking from the dropdown User should be able to enter entry date and time	Parking cost	DASS
SCHOOL INC.	Jonate Farring - Jame Litty and Lot Cately inte	- All input fields are visible and functional.	and exit times are the same.	TVO:TIME	New York	Enter a valid exit date and tme  Click on the "Calculate" button.  Go to http://127.0.0.1:5500/src/	08/29/2024 12:00	User should be able to enter exit date and time should output \$0 User should be able to see the parking cost application	shown as \$0	7,03
SCRUM-T23	Garage Parking - Same Entry and Exit Date/Time	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system handles the case where the entry and exit times are the same.	Normal	Kevin Sugeng	Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time	Garage Parking 08/29/2024 12:00 08/29/2024 12:00	User should be able to select Garage parking from the dropdown User should be able to select Garage parking from the dropdown User should be able to enter entry date and time User should be able to enter exit date and time	Parking cost shown as \$0	PASS
						Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Valet Parking	should output \$0 User should be able to see the parking cost application User should be able to select Valet parking from the dropdown		
SCRUM-T24	Valet Parking - Same Entry and Exit Date/Time	<ul> <li>User is on the Parking Calculator page.</li> <li>All input fields are visible and functional.</li> </ul>	Verify that the system handles the case where the entry and exit times are the same.	Normal	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and tme Click on the "Calculate" button.	08/29/2024 12:00 08/29/2024 12:00	User should be able to enter entry date and time  User should be able to enter exit date and time  should output \$0	Parking cost shown as \$12	FAIL
CCDUM TOC	Valid Budge - Figh Data (Time Defend Fate Data (Time	- User is on the Parking Calculator page.	Verify that the system displays an error message when	Name I	M-1-5	Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time	Valet Parking 08/29/2024 12:00	User should be able to see the parking cost application User should be able to select Valet parking from the dropdown User should be able to enter entry date and time	should output "Leaving date and time	own as 50  PASS  arking cost pass  p
SCRUM-T25	Valet Parking - Exit Date/Time Before Entry Date/Time	- All input fields are visible and functional.	the exit date/time is before the entry date/time.	Normal	Kevin Sugeng	Enter a valid exit date and time t Click on the "Calculate" button.	08/29/2024 09:00	User should be able to enter exit date and time should output "Leaving date and time cannot be before entry date and time	cannot be before entry date and time" should output	PASS
SCRUM-T26	Garage Parking - Exit Date/Time Before Entry Date/Time	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system displays an error message when the exit date/time is before the entry date/time.	Normal	Kevin Sugeng	Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time t	Garage Parking 08/29/2024 12:00	User should be able to see the parking cost application User should be able to select Garage parking from the dropdown User should be able to enter entry date and time User should be able to enter exit date and time	"Leaving date and time cannot be	PASS
						Click on the "Calculate" button.  Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Surface Parking	should output "Leaving date and time cannot be before entry date and time User should be able to see the parking cost application User should be able to select surface parking from the dropdown	before entry date and time" should output "Leaving date	
SCRUM-T27	Surface Parking - Exit Date/Time Before Entry Date/Tim	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system displays an error message when the exit date/time is before the entry date/time.	Normal	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and time t	08/29/2024 12:00	User should be able to enter entry date and time User should be able to enter exit date and time	and time cannot be before entry date and time"	PASS
SCRUM-T28	Lot Parking - Exit Date/Time Before Entry Date/Time	- User is on the Parking Calculator page.	Verify that the system displays an error message when	Normal	Kevin Sugeng	Glick on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot Enter a valid entry date and time	Lot Parking 08/29/2024 12:00	Should output "Leaving date and time cannot be before entry date and time User should be able to see the parking cost application User should be able to select Lot parking from the dropdown User should be able to enter entry date and time	should output "Leaving date and time	PASS
	Delice Liny Detey liftle	- All input fields are visible and functional.	the exit date/time is before the entry date/time.			Enter a valid exit date and time to Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/	08/29/2024 09:00	User should be able to enter exit date and time should output "Leaving date and time cannot be before entry date and time User should be able to see the parking cost application	cannot be before entry date and time"	
SCRUM-T29	Lot Parking - Edge case - One minute duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly handles cases where the duration is very short (e.g., one minute).	Normal	Kevin Sugeng	Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time		User should be able to select pring total apparation User should be able to select pring from the dropdown User should be able to enter entry date and time User should be able to enter exit date and time	Parking cost shown as \$0.03	FAIL
		Liser is on the Parking Calculator rage	Verify that the system correctly handles cases where			Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/ Choose Parking Lot	Surface Parking	Should output \$2.00 User should be able to see the parking cost application User should be able to select Surface parking from the dropdown	Parking cost	
SCRUM-T30	Surface Parking - Edge case - One minute duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly handles cases where the duration is very short (e.g., one minute).	Normal	Kevin Sugeng	Enter a valid entry date and time Enter a valid exit date and time Click on the "Calculate" button. Go to http://127.0.0.1:5500/src/	08/29/2024 12:00 08/29/2024 12:01	User should be able to enter entry date and time User should be able to enter exit date and time Should output \$2.00 User should be able to see the parking cost application	shown as \$0.03	FAIL
SCRUM-T31	Valet Parking - Edge case - One minute duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly handles cases where the duration is very short (e.g., one minute).	Normal	Kevin Sugeng	Choose Parking Lot Enter a valid entry date and time Enter a valid exit date and time	Valet Parking 08/29/2024 12:00 08/29/2024 12:01	User should be able to select Valet parking from the dropdown User should be able to select Valet parking from the dropdown User should be able to enter entry date and time User should be able to enter exit date and time Should outout \$12	Parking cost shown as \$12	PASS
SCRUM-T32	Garage Parking - Edge case - One minute duration	User is on the Parking Calculator page.     All input fields are visible and functional.	Verify that the system correctly handles cases where the duration is very short (e.g., one minute).	Normal	Kevin Sugeng	Enter a valid entry date and time	Garage Parking 08/29/2024 12:00	User should be able to see the parking cost application User should be able to select Garage parking from the dropdown User should be able to enter entry date and time	Parking cost shown as \$0.03	FAIL
		per management residential.	, some (seg, one minute).		<u> </u>	Enter a valid exit date and time Click on the "Calculate" button.	08/29/2024 12:01	User should be able to enter exit date and time Should output \$2.00		

# **4. Defect Testing Summary**

SCRUM-T32

Garage Parking - Edge case - One minute duration

DEFECT RETESTING /	AFTER RESOLVED - TESTING CYCLE 1									+
ID	Test Case Name	Previous Result	Priority	QA Name	Resolve	Test Step	Test Data	Expected Result	Actual Result	Status
						Go to http://127.0.0.1:5500/src/	1	User should be able to see the parking cost application	<i>⊣ '</i>	
						Choose Parking Lot	Valet Parking	User should be able to select valet parking from the dropdown	′ ٰٰ	
SCRUM-T6	Type - Valet Parking - User able to select a parkin type so that it can calculate the parking cost base the selection		High	Kevin Sugeng	Resolve	Enter entry date and time	08/28/2024 12:00	User should be able to enter entry date and time	Parking cost shown as \$18	PASS
						Enter leaving date and time	08/28/2024 17:00	User should be able to enter leaving date and time	7	
						Click 'Calculate' button	00, 20, 2	Parking cost should be shows as \$18	7	
				-						
FOT RETESTING AFTER	R RESOLVED - Functional Testing 2									
Let nava	Test Case Name	Previous Result	Priority	QA Name F	Resolve	Test Step	Test Data	Expected Result	Actual Result	lt Status
	The same (comp			<del>-  </del>		Go to http://127.0.0.1:5500/src/		User should be able to see the parking cost application	-	
				"		Choose Parking Lot	Hourly Parking	User should be able to select Hourly parking from the dropdown	-	
RUM-T9	Hourly Parking - Same Entry and Exit Date/Time	FAIL	Normal	Kevin Sugeng F	Resolve	Enter a valid entry date and time	, ,	User should be able to enter entry date and time	Parking Cost	PASS
.Ultr 13	Hours of the state	Init	HUIIhai	,	ACSUNC	Enter a valid exit date and time		User should be able to enter exit date and time	Shown \$0	/
				"		Click on the "Calculate" button.		should output "\$0"	$\dashv$	
	+	+						User should be able to see the parking cost application		-
				"		Go to http://127.0.0.1:5500/src/			-	
····· = = 4A	o de la Delice Malifola Dava Degration	F411	N - mal	Verin Sugang		Choose Parking Lot	Surface Parking	User should be able to select Surface parking from the dropdown	Parking cost	2245
RUM-T10	Surface Parking - Multiple Days Duration	FAIL	Normal	Kevin Sugeng	Resolve	Enter a valid entry date and time		User should be able to enter entry date and time	shown as \$60	PASS
				"		Enter a valid exit date and time t		User should be able to enter exit date and time	_	
						Click on the "Calculate" button.		should output \$60		
				"		Go to http://127.0.0.1:5500/src/		User should be able to see the parking cost application		
						Choose Parking Lot	Lot Parking	User should be able to select Lot parking from the dropdown	Parking cost	
RUM-T17	Lot Parking - Multiple Days Duration	FAIL	Normal	Kevin Sugeng F	Resolve	Enter a valid entry date and time		User should be able to enter entry date and time	shown as \$54	PASS
				"		Enter a valid exit date and time t	e ti 08/31/2024 12:00	User should be able to enter exit date and time	SHUMII OU YO .	
						Click on the "Calculate" button.		should output \$54	$\neg$	
						Go to http://127.0.0.1:5500/src/	d	User should be able to see the parking cost application		
				"		Choose Parking Lot	Garage Parking	User should be able to select Garage parking from the dropdown	D-sling cost	
CRUM-T18	Garage Parking - Multiple Days Duration	FAIL	Normal	Kevin Sugeng	Resolve	Enter a valid entry date and time		User should be able to enter entry date and time	Parking cost	PASS
				"		Enter a valid exit date and time t		User should be able to enter exit date and time	shown as \$72	
				"		Click on the "Calculate" button.		should output \$72	$\dashv$	
	+	+		<del></del>		Go to http://127.0.0.1:5500/src/		User should be able to see the parking cost application	+	17
				"		Choose Parking Lot	Valet Parking	User should be able to select Valet parking from the dropdown	$\dashv$	
CRUM-T20	Valet Parking - Multiple Days Duration	FAIL	Normal	Kevin Sugeng F	Resolve	Enter a valid entry date and time	•	User should be able to enter entry date and time	Parking cost	PASS
:(UIVI-1ZU	Valet Laterilà - monthic nols ponotion	FAIL	NUllial	אני שליים ווא	YEZUIVE			User should be able to enter entry date and time  User should be able to enter exit date and time	shown as \$36	i rhu
				"		Enter a valid exit date and time t			$\dashv$	
						Click on the "Calculate" button.		should output \$36		
				"		Go to http://127.0.0.1:5500/src/		User should be able to see the parking cost application	_	
	The state of the s			We in Course		Choose Parking Lot	Valet Parking	User should be able to select Valet parking from the dropdown	Parking cost	2100
CRUM-T24	Valet Parking - Same Entry and Exit Date/Time	FAIL	Normal	Kevin Sugeng	Resolve	Enter a valid entry date and time		User should be able to enter entry date and time	shown as \$0	PASS
				"		Enter a valid exit date and tme		User should be able to enter exit date and time	_	
						Click on the "Calculate" button.		should output \$0		
				"		Go to http://127.0.0.1:5500/src/		User should be able to see the parking cost application		
				"		Choose Parking Lot	Lot Parking	User should be able to select Lot parking from the dropdown	Parking cost	
CRUM-T29	Lot Parking - Edge case - One minute duration	FAIL	Normal	Kevin Sugeng	Resolve	Enter a valid entry date and time	ne 08/29/2024 12:00	User should be able to enter entry date and time	Parking cost shown as \$2	LH33
				"		Enter a valid exit date and time	e 08/29/2024 12:01	User should be able to enter exit date and time	ייר מיוואחווק.	
				"		Click on the "Calculate" button.		Should output \$2.00	$\neg$	
						Go to http://127.0.0.1:5500/src/		User should be able to see the parking cost application		
				"		Choose Parking Lot	Surface Parking	User should be able to select Surface parking from the dropdown	<del> </del>	
CRUM-T30	Surface Parking - Edge case - One minute duration	FAIL	Normal	Kevin Sugeng F	Resolve	Enter a valid entry date and time		User should be able to enter entry date and time	Parking cost	LA22
Will 150	Juliace I aliming Luge 1000 C	I AIL	Mulinoi	,	ACSUATE	Enter a valid exit date and time		User should be able to enter exit date and time	shown as \$2	
								Should output \$2.00	$\rightarrow$	
						Click on the "Calculate" button.				
				P	7	Go to http://127.0.0.1:5500/src/	1	User should be able to see the parking cost application	_	

Choose Parking Lot

Kevin Sugeng

Garage Parking

Enter a valid entry date and time 08/29/2024 12:00

Enter a valid exit date and time 08/29/2024 12:01

User should be able to select Garage parking from the dropdown

User should be able to enter entry date and time

User should be able to enter exit date and time

Parking cost

## 5. Selenium Testing Results

During execution of test cases, Selenium was used to automate the regression and repetitive task. Result:

Valet Parking Test

Test case 1: PASS - Result: \$12.00, Valet Parking - from 29/08/2024 9:00 to 29/08/2024 13:00

Test case 2: PASS - Result: \$0, Valet Parking - from 29/08/2024 12:00 to 29/08/2024 12:00

Test case 3: PASS - Result: \$36.00, Valet Parking - from 29/08/2024 12:00 to 31/08/2024 12:00

Test case 4: PASS - Result: Leaving date and time cannot be before Entry Date and Time, Valet

Parking - from 29/08/2024 12:00 to 29/08/2024 9:00

Test case 5: PASS - Result: \$12.00, Valet Parking - from 29/08/2024 12:00 to 29/08/2024 12:01

#### **Hourly Parking Test**

Test case 1: PASS - Result: \$6.00, Hourly Parking - from 29/08/2024 9:00 to 29/08/2024 12:00

Test case 2: PASS - Result: \$0, Hourly Parking - from 29/08/2024 12:00 to 29/08/2024 12:00

Test case 3: PASS - Result: \$24.00, Hourly Parking - from 29/08/2024 12:00 to 31/08/2024 12:00

Test case 4: PASS - Result: Leaving date and time cannot be before Entry Date and Time, Hourly

Parking - from 29/08/2024 12:00 to 29/08/2024 9:00

Test case 5: PASS - Result: \$2.00, Hourly Parking - from 29/08/2024 12:00 to 29/08/2024 12:01

#### Garage Parking Test

Test case 1: PASS - Result: \$6.00, Garage Parking - from 29/08/2024 9:00 to 29/08/2024 12:00

Test case 2: PASS - Result: \$0, Garage Parking - from 29/08/2024 12:00 to 29/08/2024 12:00

Test case 3: PASS - Result: \$72.00, Garage Parking - from 29/08/2024 12:00 to 31/08/2024 12:00

Test case 4: PASS - Result: Leaving date and time cannot be before Entry Date and Time, Garage

Parking - from 29/08/2024 12:00 to 29/08/2024 9:00

Test case 5: PASS - Result: \$2.00, Garage Parking - from 29/08/2024 12:00 to 29/08/2024 12:01

#### Surface Parking Test

Test case 1: PASS - Result: \$6.00, Surface Parking - from 29/08/2024 9:00 to 29/08/2024 12:00

Test case 2: PASS - Result: \$0, Surface Parking - from 29/08/2024 12:00 to 29/08/2024 12:00

Test case 3: PASS - Result: \$60.00, Surface Parking - from 29/08/2024 12:00 to 31/08/2024 12:00

Test case 4: PASS - Result: Leaving date and time cannot be before Entry Date and Time, Surface

Parking - from 29/08/2024 12:00 to 29/08/2024 9:00

Test case 5: PASS - Result: \$2.00, Surface Parking - from 29/08/2024 12:00 to 29/08/2024 12:01

#### Lot Parking Test

Test case 1: PASS - Result: \$6.00, Lot Parking - from 29/08/2024 9:00 to 29/08/2024 12:00

Test case 2: PASS - Result: \$0, Lot Parking - from 29/08/2024 12:00 to 29/08/2024 12:00

Test case 3: PASS - Result: \$54.00, Lot Parking - from 29/08/2024 12:00 to 31/08/2024 12:00

Test case 4: PASS - Result: Leaving date and time cannot be before Entry Date and Time, Lot

Parking - from 29/08/2024 12:00 to 29/08/2024 9:00

Test case 5: PASS - Result: \$2.00, Lot Parking - from 29/08/2024 12:00 to 29/08/2024 12:01

Selenium automated tests confirmed that the Parking Calculator functions correctly for the test scenarios executed. All automated test cases passed after Test cycles 2, ensuring the accuracy of the website.

### **6. Defect Testing Summary**

- Test Cycles Overview:
  - Functional Testing Cycle 1: Focused on validating core functionality like parking lot selection and cost calculation for different parking types. A few issues were identified and fixed by developer and retested.
  - o Functional Testing Cycle 2: Aimed at testing specific scenarios like edge cases, date, and time validations, and making sure all previous identified were resolved. This cycles more involved on testing multiple-days iterations and scenarios where exit and entry time is the same.

#### - Defect Identified:

 A total of 9 defects were identified during Functional Testing cycle 2 which all related to incorrect parking cost calculations for specific durations and the system did not handle the edge cases properly.

#### - Defect Resolution:

 All defect were fixed and re-tested in the same cycle and after retesting, all the test cases passed successfully, confirming that the defects were resolved.

#### - Conclusion:

 Parking Calculator application has successfully passed all test cases after resolving the identified defects. The system is functioning as expected, with accurate calculations for all test scenarios, including edge cases.