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# Test Cases

for

# EzPark

Version 1.0 approved

Prepared by

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# 1. Login

Test Case ID		Login-1-A		Test Case Priority		High
Test Case Description		Login - Valid Credentials				
Prerequisite		Account Already Registered		Postrequisite		N/A
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Launch App	Run the App	Login Page	Login Page	Pass	[Lee Ci Hui 1/11/2022 11:04 PM] : Launch Successful
2	Enter Valid Email and Password	Valid Email and Password	Navigate to Home Page	Navigate to Home Page	Pass	[Lee Ci Hui 1/11/2022 11:05 PM] : Login Successful
Test Case Status		Successful				

Test Case ID		Login-1-B		Test Case Priority		High
Test Case Description		Login - Invalid Credentials				
Prerequisite		N/A		Postrequisite		N/A
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Launch App	Run the App	Login Page	Login Page	Pass	[Lee Ci Hui 1/11/2022 11:07 PM] : Launch Successful
2	Enter Invalid Email and random Password	Invalid Email and Random Password	Invalid Email or Password, Please Try Again	Invalid Email or Password, Please Try Again	Pass	[Lee Ci Hui 1/11/2022 11:08 PM] : Login Unsuccessful, Error Message is seen
3	Enter Valid Email and Incorrect Password	Valid Email and Incorrect Password	Invalid Email or Password, Please Try Again	Invalid Email or Password, Please Try Again	Pass	[Lee Ci Hui 1/11/2022 11:10 PM] : Login Unsuccessful, Error Message is seen
Test Case Status		Successful				

## 2. Register

Test Case ID		Register-1-A		Test Case Priority		Medium
Test Case Description		Register- Valid Input				
Prerequisite		N/A		Postrequisite		Account created
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Launch App	Run the app	Login Page	Login Page	Pass	[Sim Oi Liang 5/11/2022 3:16 PM] : Launch Successful
2	Navigate to Sign Up page	Press Sign Up button	Sign up page	Sign up page	Pass	[Sim Oi Liang 5/11/2022 3:17 PM] : Navigate To sign up screen Successful
3	Enter Valid input	Valid Email Address, Valid FirstName, Valid LastName, Valid Password, Valid Confirm Password	Login Page	Login Page	Pass	[Sim Oi Liang 5/11/2022 3:19 PM] : Navigate To Login Screen Successful
Test Case Status		Success				

Test Case ID		Register-1-B		Test Case Priority		Medium
Test Case Description		Register- Invalid Input				
Prerequisite		N/A		Postrequisite		N/A
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Launch App	Run the app	Login Page	Login Page	Pass	[Sim Oi Liang 5/11/2022 3:21 PM] : Launch Successful
2	Navigate to Sign Up page	Press Sign Up button	Sign up page	Sign up page	Pass	[Sim Oi Liang 5/11/2022 3:22 PM] : Navigate To sign up screen Successful
3	Invalid Email Address	Invalid Email Address: "123"	Error Email Message	Error Email Message	Pass	[Sim Oi Liang 5/11/2022 3:22 PM] : Error message "Invalid Email" appear
3	Invalid FirstName	Invalid FirstName: ""	Error Email Message	Error Email Message	Pass	[Sim Oi Liang 5/11/2022 3:22 PM] : Error message "Empty First Name! Please input First Name" appear
3	Invalid LastName	Invalid LastName: ""	Error Email Message	Error Email Message	Pass	[Sim Oi Liang 5/11/2022 3:22 PM] : Error message "Empty Last Name! Please input LastName" appear
3	Invalid Password	Invalid Password: "123"	Error Email Message	Error Email Message	Pass	[Sim Oi Liang 5/11/2022 3:23 PM] : Error message "Password has to be at least 8 letters." appear
3	Invalid Confirm Password	Invalid Password: "321"	Error Email Message	Error Email Message	Pass	[Sim Oi Liang 5/11/2022 3:23 PM] : Error Message "Password mismatch" appears.
Test Case Status		Success				

### 3. Upload Photo

Test Case ID		Upload Account Photo		Test Case Priority		Medium
Test Case Description		Upload User Account Photo				
Prerequisite		Account Page		Postrequisite		User Photo Uploaded and Changed
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Access User Gallery	Press Upload Photo Area	Navigate to User Gallery	Navigate to User Gallery	Pass	[Sim Oi Liang 5/11/2022 3:25 PM] : Access successful
2	Select photo and upload	Press a photo and Press Tick	Account Page with Photo Uploaded	Account Page with Photo Uploaded	Pass	[Sim Oi Liang 5/11/2022 3:25 PM] : Photo uploaded
3						
Test Case Status		Success				

## 4. Update Profile

Test Case ID		UpdateProfile-1		Test Case Priority		Medium
Test Case Description		Update user FirstName, LastName, User Photo and Email				
Prerequisite		Account Page		Postrequisite		User Profile Updated
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Change FirstName	Press FirstName display button,  Change name,  Press Edit button	FirstName Updated	FirstName Updated	Pass	[Sim Oi Liang 5/11/2022 3:27 PM] :FirstName updated success
2	Change LastName	Press LastName display button,  Change name,  Press Edit button	LastName Updated	LastName Updated	Pass	[Sim Oi Liang 5/11/2022 3:27 PM] :LastName updated success
3	Change Email	Press Email display button,  Change Email,  Press Edit button	Email Updated	Email Updated	Pass	[Sim Oi Liang 5/11/2022 3:28 PM] :Email updated success
3	Change UserPhoto	Press Photo display area,	UserPhoto Updated	UserPhoto Updated	Pass	[Sim Oi Liang 5/11/2022 3:28 PM] :UserPhoto updated success

		Upload Photo,  Press Edit button				
Test Case Status		Success				



## 5. Search

Test Case ID		Searching-1		Test Case Priority		High
Test Case Description		Search CarPark Locations				
Prerequisite		Home Page		Postrequisite		Nearby CarPark Locations shown in map and search results
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Open Search Bars	Press FindCarPark Button	PopUp Search Bars	PopUp Search Bars	Pass	[Sim Oi Liang 5/11/2022 4:01 PM] : Search Bars appeared
2	Enter Origin location and destination location	Press the first Search bar,  Enter Origin location: "Hall 14"  Press location autocomplete recommendation ,  Press the second Search bar,  Enter Destination: "Jurong Point"  Press location autocomplete recommendation	Location updated in search bars	Location updated in search bars	Pass	[Sim Oi Liang 5/11/2022 4:01 PM] : Search Bars location updated with exact location address.
3	Search	Press search button	Map navigate to destination area with car park locations	Map navigate to destination area with car park locations	Pass	[Sim Oi Liang 5/11/2022 4:02 PM] : Map success navigated and search results shown

			marked and search results appear	marked and search results appear		
<b>Test Case Status</b>		Success				

## 6. Sort Results

Test Case ID		Sorting		Test Case Priority		Medium
Test Case Description		Sort carPark based on distance and fare				
Prerequisite		Search Result appear		Postrequisite		CarPark List sorted
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Sort CarPark List based on distance from destination	Press Sort button,  Select farthest to nearest (car park to destination)	Car Park List sorted based on farthest to nearest distance from destination	Car Park List sorted based on farthest to nearest distance from destination	Pass	[Sim Oi Liang 5/11/2022 4:03 PM] : Car Park list sorted
2	Sort CarPark List based on fare	Press SortBy button,  Select Fare,  Press Sort button,  Select highest to lowest.	Car Park List sorted based on highest to lowest fare per Hour	Car Park List sorted based on highest to lowest fare per Hour	Pass	[Sim Oi Liang 5/11/2022 4:03 PM] : Car Park list sorted
3						
Test Case Status		Success				

## 7. Choose and Select Car Park

Test Case ID		ChooseCarPark		Test Case Priority		High
Test Case Description		Choose a car park in the search results				
Prerequisite		Search results appeared		Postrequisite		Car Park Details page
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Select a car Park	Press car park “J88M” in search results	Screen changes to Car Park details page	Screen changes to Car Park details page	Pass	[Sim Oi Liang 5/11/2022 4:04 PM] : “J88M” Car Park details successfully shown
2						
3						
Test Case Status		Success				

## 8. Parking Settings (Customize Helper Features)

Test Case ID		ParkingSetting		Test Case Priority		High
Test Case Description		Set duration and timer for parking, upload photo and set notes				
Prerequisite		StartParking Page		Postrequisite		Parking Ongoing Page with timer started
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Enter estimated duration	Press the Plus Icon in the Minute area in timer setting two times	Estimated duration of 2 minutes updated.	Estimated duration of 2 minutes updated.	Pass	[Sim Oi Liang 5/11/2022 4:05PM] : Estimated duration updated.
2	Enter alertTime	Press the Plus Icon in alert timer setting one times	Alert time of 1 minute updated.	Alert time of 1 minute updated.	Pass	[Sim Oi Liang 5/11/2022 4:05 PM] : Alert time updated.
3	Upload Photo	Press the photo display area,	Access Gallery	Access Gallery	Pass	[Sim Oi Liang 5/11/2022 4:05 PM] : Gallery succesfully access and able to upload photo
4	SetNotes	Enter text in the TextBox area: "Testing"	Text Updated	Text Updated	Pass	[Sim Oi Liang 5/11/2022 4:06 PM] : "Testing" shown in TextBox
5	Go to Parking Ongoing Page	Press StartParking button	Navigate to ParkingOngoi ng page	Navigate to ParkingOngoi ng page	Pass	[Sim Oi Liang 5/11/2022 4:06 PM] : ParkingOngoing page shown with a timer of 2 minutes started, photo shown and notes shown.
Test Case Status		Success				

## 9. Parking OnGoing

Test Case ID		ParkingOngoing		Test Case Priority		Medium
Test Case Description		Test notification shown after alert time end				
Prerequisite		Alert Time set to 1 minute, Timer started		Postrequisite		Notification shown
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Wait for notifications	Wait for 1 minute with app in background	Notification appear	Notification appear	Pass	[Sim Oi Liang 5/11/2022 4:08 PM] : Notification with text “1 minute left” appeared.
2						
3						
Test Case Status		Success				

## 10. Comments and Ratings

Test Case ID		CommentRatings		Test Case Priority		Medium
Test Case Description		Comments, rate car park and updated in database.				
Prerequisite		CommentRating Page		Postrequisite		Database updated
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Enter Text in TextBox	Press textbox and enter “Testing”	Text updated	Text updated	Pass	[Sim Oi Liang 5/11/2022 4:09 PM] : “Testing” shown in TextBox
2	Rate CarPark	Press the third empty-filled star among the 5 empty-filled stars	3 Full-filled stars rendered	3 Full-filled stars rendered	Pass	[Sim Oi Liang 5/11/2022 4:09 PM] : 3 Full-filled stars rendered together with 2 empty-filled stars
3	Indicate Favorite	Press the empty-filled heart-shape d icon	Full-filled heart icon rendered	Full-filled heart icon rendered	Pass	[Sim Oi Liang 5/11/2022 4:10 PM] : Empty-filled heart icon changes to full-filled.
Test Case Status		Success				

## 11. Update Database

Test Case ID		UpdateDatabase		Test Case Priority		Medium
Test Case Description		Check comment, rating, favorite, history updated in database				
Prerequisite		Done adding favorite, comment and rate a car park		Postrequisite		N/A
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Check Favorite updated	Press Side Bar and press Favorite button	Favorite list shown with the previous Car Park added into favorite list	Favorite list shown with the previous Car Park added into favorite list	Pass	[Sim Oi Liang 5/11/2022 4:12 PM] : Car Park “J88M” shown in Favorite list.
2	Check History updated	Press Side Bar and press History button	History list shown with the previous chosen Car Park	History list shown with the previous chosen Car Park	Pass	[Sim Oi Liang 5/11/2022 4:13 PM] : Car Park “J88M " shown in History list.
3	Check Comment and Rating updated	Choose the previous commented and rated Car Park in search result	CarPark details with previous comment and rating shown	CarPark details with previous comment and rating shown	Pass	[Sim Oi Liang 5/11/2022 4:15 PM] : Car Park “J88M " comments include 1 more comment with rating of 3 stars and comment of “Testing”
Test Case Status		Success				



## 12. History

Test Case ID		ViewUserHistoryFare		Test Case Priority		Low
Test Case Description		View User History fare in graph				
Prerequisite		Account Page, A CarPark chosen with total fare of \$0.65.		Postrequisite		N/A
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Check history fare	Press Year button and select 2022,  Press Month button and select “May-Aug”	Graph with added fare shown	Graph with added fare shown	Pass	[Sim Oi Liang 5/11/2022 4:17 PM] : Fare of 0.65 is shown in June in the graph.
2						
3						
Test Case Status		Success				

## 13. Current Location

Test Case ID		RetrieveUserLocation		Test Case Priority		Low
Test Case Description		Retrieve User Location and relocate map to center of user				
Prerequisite		Home page with map open		Postrequisite		User location centered in map
Test Execution Steps						
Step No.	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1	Rencenter User	Press the recenter button on the map	User location found and recentered in map	User location found and recentered in map	Pass	[Sim Oi Liang 5/11/2022 4:19 PM] : Location of user is in the center after press recenter
2						
3						
Test Case Status		Success				