

User Acceptance Test - Vehicle Rental Application (Test Plan Developed By: Wong Keng)

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
3.7	Create new user -successful creation.	User is already login with role = 'ADMIN'	ADMIN	Username: test20 Firstname: test20 Lastname: test20 Password: welcome Re-enter Password: welcome Role: USER IsActive: checked	1. Click 'User Mgmt' 2. Click 'Create User' 3. Enter all the required information 4. Click 'Create User' button.	User account successfully created.	Passed



New User test20 test20 Successfully Created.

### User List - All

UserID	Username	First Name	Last Name	Role	Enabled	Actions
1	wk	wk	wk	USER	<input checked="" type="checkbox"/>	
2	wong	wong	wong	MANAGER	<input checked="" type="checkbox"/>	
3	keng	keng	keng	ADMIN	<input checked="" type="checkbox"/>	
161	test20	test20	test20	USER	<input checked="" type="checkbox"/>	

Total Number of Users: 4

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Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
3.8	Reset user password - Password mismatched.	User is already login with role = 'ADMIN' and is at the 'User List - All' page	ADMIN	Username: test20 Password: welcome12 Re-enter Password: welcome11	<ol style="list-style-type: none"> <li>On the row for username, test20, click on the 'Lock with round arrow' icon</li> <li>Enter the password</li> <li>Re-enter password</li> <li>Click 'Reset Password' button</li> </ol>	Password mismatched validation error message seen.	Passed

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# Create New User

**Username :**

**First Name :**

 **Last Name :** 

**Password :**

 **Re-enter Password :** 

Passwords do not match. Please re-enter.

**Roles :**

Is Enabled?

**Create User** **Back to Listing**

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																												
3.9	Reset user password - Successful reset.	User is already login with role = 'ADMIN' and is at the 'User List - All' page	ADMIN	Username: test20 Password: welcome12 Re-enter Password: welcome12	1. On the row for username, test20, click on the 'Lock with round arrow' icon 2. Enter the password 3. Re-enter password 4. Click 'Reset Password' button	Password successfully reset.	Passed																												
<p>Keng Car Rental   <a href="#">Home</a>   <a href="#">Customer Mgmt</a> ▾   <a href="#">User Mgmt</a> ▾   <a href="#">Booking Service Mgmt</a> ▾   <a href="#">Vehicle Mgmt</a> ▾   <a href="#">About</a>      Welcome: <b>keng</b> [ADMIN]</p> <p><b>User password successfully reset for Username, test20.</b></p> <h2>User List - All</h2> <table border="1"> <thead> <tr> <th>UserID</th><th>Username</th><th>First Name</th><th>Last Name</th><th>Role</th><th>Enabled</th><th>Actions</th></tr> </thead> <tbody> <tr> <td>1</td><td>wk</td><td>wk</td><td>wk</td><td>USER</td><td><input checked="" type="checkbox"/></td><td>  </td></tr> <tr> <td>2</td><td>wong</td><td>wong</td><td>wong</td><td>MANAGER</td><td><input checked="" type="checkbox"/></td><td>  </td></tr> <tr> <td>3</td><td>keng</td><td>keng</td><td>keng</td><td>ADMIN</td><td><input checked="" type="checkbox"/></td><td>  </td></tr> <tr> <td>161</td><td>test20</td><td>test20</td><td>test20</td><td>USER</td><td><input checked="" type="checkbox"/></td><td>  </td></tr> </tbody> </table> <p>Total Number of Users: 4</p> <p>Page 1 of 1 -   1  </p>	UserID	Username	First Name	Last Name	Role	Enabled	Actions	1	wk	wk	wk	USER	<input checked="" type="checkbox"/>	  	2	wong	wong	wong	MANAGER	<input checked="" type="checkbox"/>	  	3	keng	keng	keng	ADMIN	<input checked="" type="checkbox"/>	  	161	test20	test20	test20	USER	<input checked="" type="checkbox"/>	  
UserID	Username	First Name	Last Name	Role	Enabled	Actions																													
1	wk	wk	wk	USER	<input checked="" type="checkbox"/>	  																													
2	wong	wong	wong	MANAGER	<input checked="" type="checkbox"/>	  																													
3	keng	keng	keng	ADMIN	<input checked="" type="checkbox"/>	  																													
161	test20	test20	test20	USER	<input checked="" type="checkbox"/>	  																													

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
3.10	Update user's details.	User is already login with role = 'ADMIN' and is at the 'User List - All' page	ADMIN	Username: test20 Role: update 'USER' to 'MANAGER'	<ol style="list-style-type: none"> <li>On the row for username, test20, click on the next icon after the 'Lock with round arrow' icon</li> <li>Select 'MANAGER' for the role</li> <li>Re-enter password</li> <li>Click 'Update User Details' button</li> </ol>	User record successfully updated. Username, test20, new role is 'MANAGER'.	Passed

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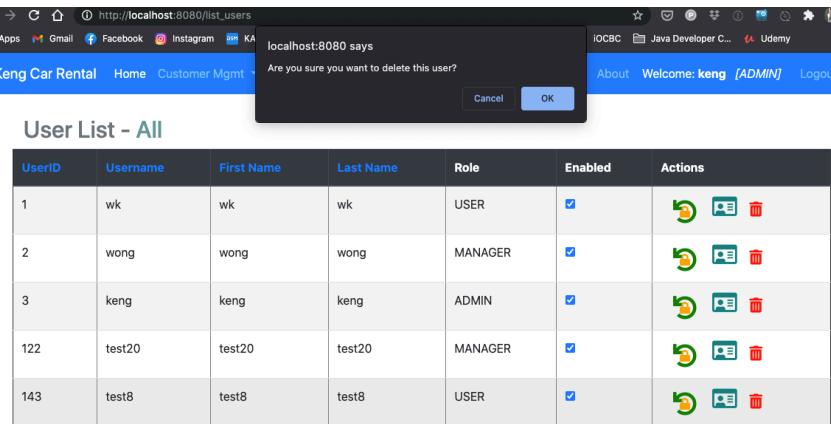
**Details for Username, test20, Successfully Updated.**

### User List - All

UserID	Username	First Name	Last Name	Role	Enabled	Actions
1	wk	wk	wk	USER	<input checked="" type="checkbox"/>	
2	wong	wong	wong	MANAGER	<input checked="" type="checkbox"/>	
3	keng	keng	keng	ADMIN	<input checked="" type="checkbox"/>	
161	test20	test20	test20	MANAGER	<input checked="" type="checkbox"/>	

Total Number of Users: 4

Page 1 of 1 - 1

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																																							
3.11	Delete user.	User is already login with role = 'ADMIN' and is at the 'User List - All' page	ADMIN	Username: test8	<ol style="list-style-type: none"> <li>On the row for username, test8, click the 'Trash Bin' icon</li> <li>Click on the 'Ok' button to confirm deletion.</li> </ol>	Username, test8, successfully deleted.	Passed																																							
		 <p>The screenshot shows a browser window with the URL <a href="http://localhost:8080/list_users">http://localhost:8080/list_users</a>. The main content is a table titled 'User List - All' with columns: UserID, Username, First Name, Last Name, Role, Enabled, and Actions. The table contains five rows of data. A modal dialog box is overlaid on the page, centered over the third row (User ID 3). The dialog box has a title 'localhost:8080 says' and the message 'Are you sure you want to delete this user?'. It has two buttons: 'Cancel' and 'OK'. The rest of the page below the dialog is visible, showing the table and navigation links.</p>	<p><b>Record of User ID 143 successfully Deleted.</b></p> <p><b>User List - All</b></p> <table border="1"> <thead> <tr> <th>UserID</th> <th>Username</th> <th>First Name</th> <th>Last Name</th> <th>Role</th> <th>Enabled</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>wk</td> <td>wk</td> <td>wk</td> <td>USER</td> <td><input checked="" type="checkbox"/></td> <td>  </td> </tr> <tr> <td>2</td> <td>wong</td> <td>wong</td> <td>wong</td> <td>MANAGER</td> <td><input checked="" type="checkbox"/></td> <td>  </td> </tr> <tr> <td>3</td> <td>keng</td> <td>keng</td> <td>keng</td> <td>ADMIN</td> <td><input checked="" type="checkbox"/></td> <td>  </td> </tr> <tr> <td>122</td> <td>test20</td> <td>test20</td> <td>test20</td> <td>MANAGER</td> <td><input checked="" type="checkbox"/></td> <td>  </td> </tr> <tr> <td>143</td> <td>test8</td> <td>test8</td> <td>test8</td> <td>USER</td> <td><input checked="" type="checkbox"/></td> <td>  </td> </tr> </tbody> </table> <p>Total Number of Users: 5</p> <p>Page 1 of 1 - &lt;&lt; &lt; 1 &gt; &gt;&gt;</p> <p><b>Total Number of Users: 4</b></p> <p>Page 1 of 1 - &lt;&lt; &lt; 1 &gt; &gt;&gt;</p>	UserID	Username	First Name	Last Name	Role	Enabled	Actions	1	wk	wk	wk	USER	<input checked="" type="checkbox"/>	  	2	wong	wong	wong	MANAGER	<input checked="" type="checkbox"/>	  	3	keng	keng	keng	ADMIN	<input checked="" type="checkbox"/>	  	122	test20	test20	test20	MANAGER	<input checked="" type="checkbox"/>	  	143	test8	test8	test8	USER	<input checked="" type="checkbox"/>	  	
UserID	Username	First Name	Last Name	Role	Enabled	Actions																																								
1	wk	wk	wk	USER	<input checked="" type="checkbox"/>	  																																								
2	wong	wong	wong	MANAGER	<input checked="" type="checkbox"/>	  																																								
3	keng	keng	keng	ADMIN	<input checked="" type="checkbox"/>	  																																								
122	test20	test20	test20	MANAGER	<input checked="" type="checkbox"/>	  																																								
143	test8	test8	test8	USER	<input checked="" type="checkbox"/>	  																																								



Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
4.2	Edit booking.	User is at the 'Booking List - All' page	USER, MANAGER, ADMIN	Booking ID: 161 Expected Return Date: 13/5/2021	<ol style="list-style-type: none"> <li>Click the Edit icon (anti-clockwise arrow)</li> <li>Notice that the 'Save Changes' button is inactive</li> <li>Update Expected Return Date</li> <li>Click the 'Cash Register' icon to re-compute total.</li> <li>Click 'Save Changes' button</li> </ol>	<p>After clicking the 'Cash Register' icon, new total is computed, and the 'Save Changes' button has become active.</p> <p>Changes successfully updated.</p>	Passed



Booking ID 161 Successfully Updated.

## Booking List - All

Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions
161	2021-05-11T21:30	2021-05-13T21:30		Ana Iacopo	SLF2290L	120.00	2	256.80	wk wk	2021-05-11T21:34	2021-05-13T20:10	
141	2021-05-11T14:15	2021-05-14T14:15	2021-05-15T16:40	Alexei Hutchason	SLM1234R	120.00	5	642.00	wk wk	2021-05-11T14:16	2021-05-11T16:40	
121	2021-05-10T09:52	2021-05-14T09:52	2021-05-14T11:39	John Lim	SLM1234R	120.00	5	642.00	wk wk	2021-05-10T9:53	2021-05-10T11:40	
102	2020-07-08T16:24	2020-07-12T16:25	2020-07-12T16:25	Orelle Toyer	SLT6590N	250.00	4	1,070.00	wong wong	2021-05-08T16:25	2021-05-08T16:25	
101	2020-06-08T15:03	2020-06-11T15:03	2020-06-11T15:03	Ironman Stark	SLT6590N	250.00	3	802.50	wong wong	2021-05-08T15:03	2021-05-08T15:04	

Total Number of Bookings: 16

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
4.3	Return vehicle.	User is at the 'Booking List - All' page	USER, MANAGER, ADMIN	Booking ID: 121 Actual Return Date: 14/5/2021	<ol style="list-style-type: none"> <li>Click the Edit icon (Pen &amp; Paper)</li> <li>Notice that the 'Save Changes' button is inactive</li> <li>Enter Actual Return Date</li> <li>Click the 'Cash Register' icon to re-compute total.</li> <li>Click 'Complete Rental' button</li> </ol>	<p>After clicking the 'Cash Register' icon, new total is computed, and the 'Complete Rental' button has become active.</p> <p>Rental successfully saved and closed.</p>	Passed

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Welcome: keng [ADMIN] | Logout

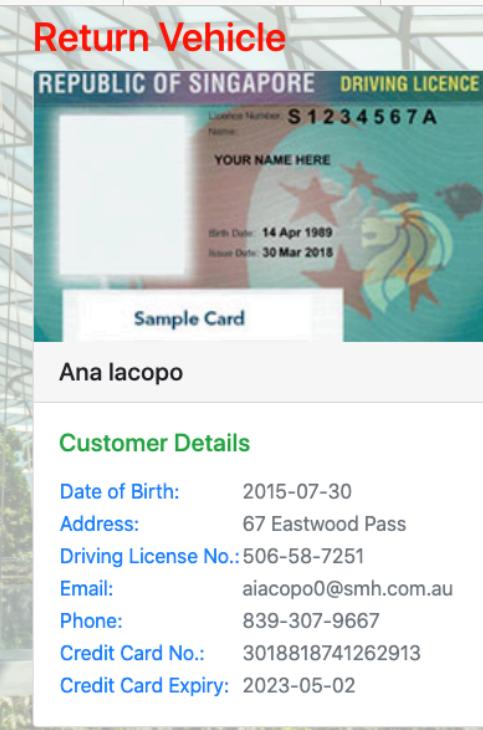
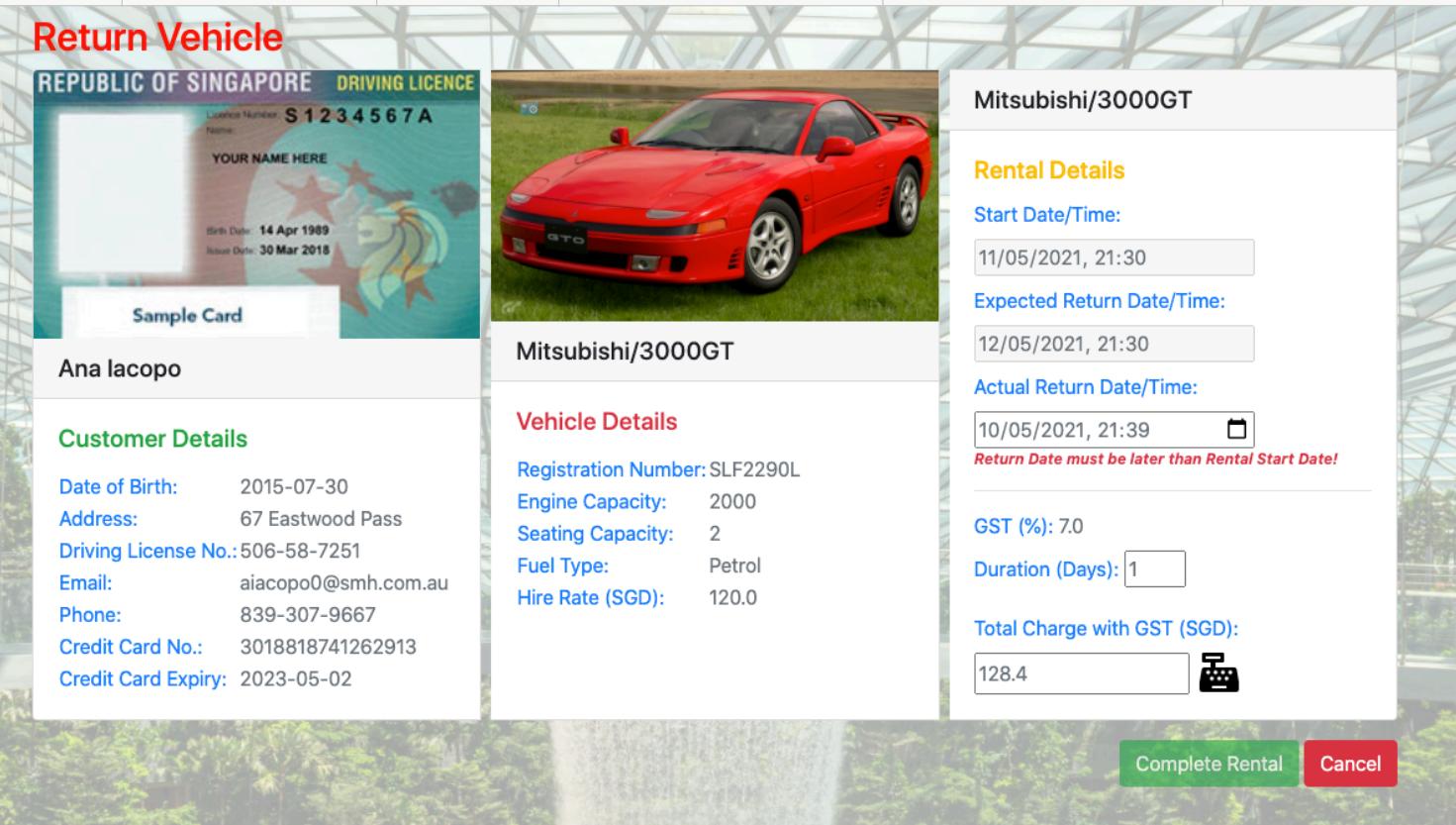
**Booking ID 182 Successfully Saved and Closed.**

**Booking List - All**

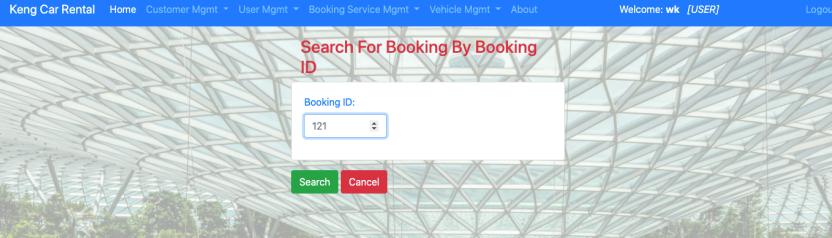
Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions
182	2021-05-10T20:15	2021-05-14T20:15	2021-05-14T20:16	John Lim	SLM1234R	120.00	4	513.60	keng keng	2021-05-13T20:15	2021-05-13T20:16	
161	2021-05-11T21:30			Ana Iacopo	SLF2290L	120.00	2	256.80	wk wk	2021-05-11T21:34	2021-05-13T20:10	
141	2021-05-11T14:15	2021-05-14T14:15	2021-05-15T16:40	Alexei Hutchason	SLM1234R	120.00	5	642.00	wk wk	2021-05-11T14:16	2021-05-11T16:40	
121	2021-05-10T09:52	2021-05-14T09:52	2021-05-14T11:39	John Lim	SLM1234R	120.00	5	642.00	wk wk	2021-05-10T9:53	2021-05-10T11:40	
102	2020-07-08T16:24	2020-07-12T16:25	2020-07-12T16:25	Orelle Toyer	SLT6590N	250.00	4	1,070.00	wong wong	2021-05-08T16:25	2021-05-08T16:25	

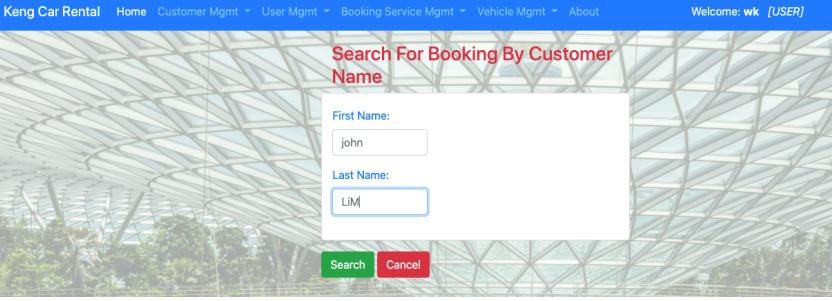
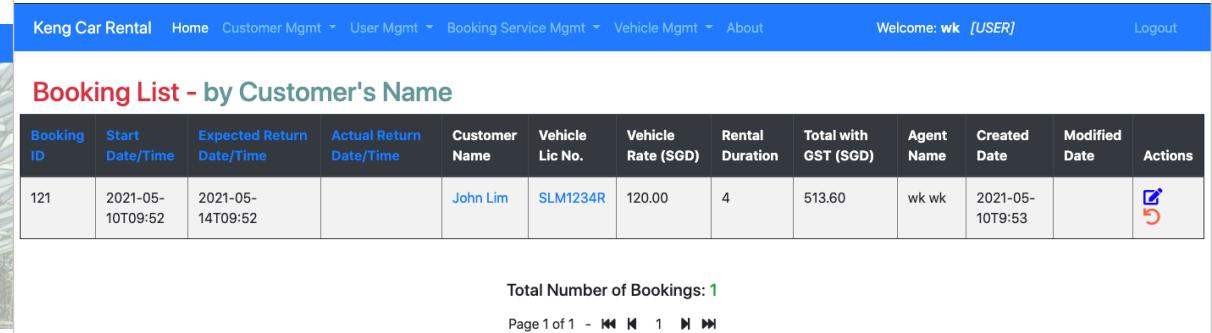
Total Number of Bookings: 17

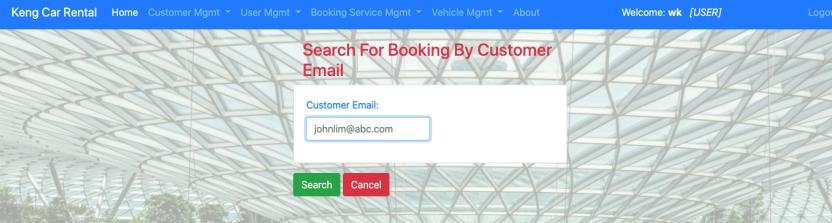
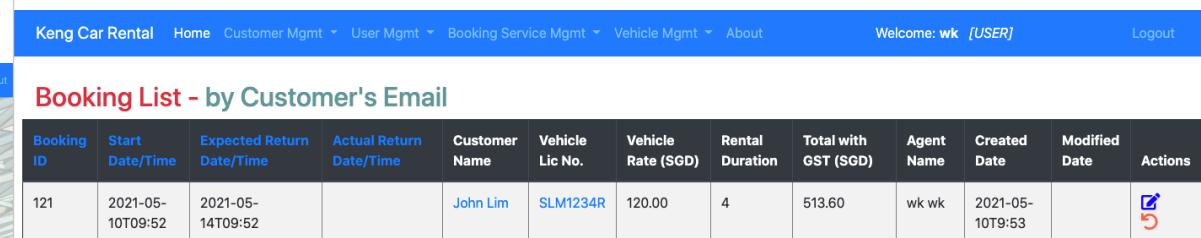
Page 1 of 4 - 1 2 3 4

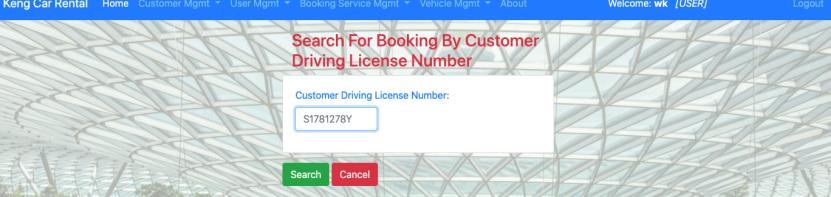
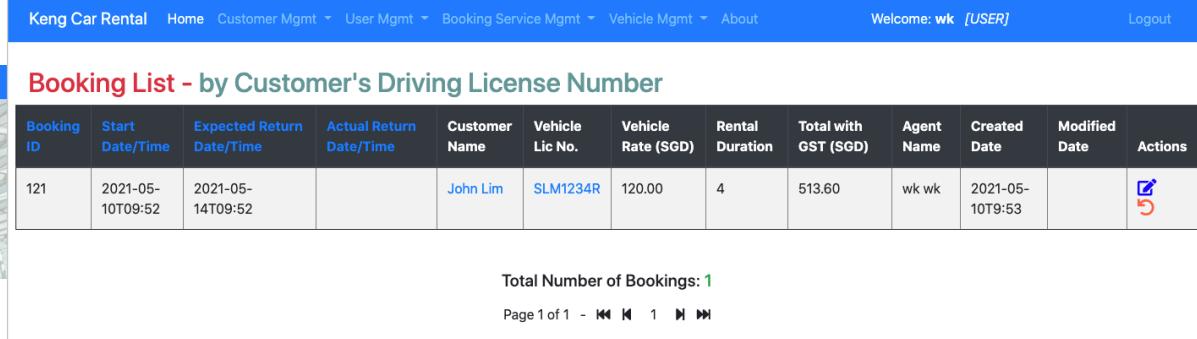
Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
4.4	Return vehicle - Actual Return Date must be later than Start Date	User is already at the 'Return Booking' page	USER, MANAGER, ADMIN	Start Date: 11/5/2021 Actual Return Date: 10/5/2021	1. Select the Actual Return Date and Time 2. Click on the 'Cash Register' icon	Error showing that Return Date must be later than Start Date.	Passed
				<b>Mitsubishi/3000GT</b>  <b>Rental Details</b> Start Date/Time: <input type="text" value="11/05/2021, 21:30"/> Expected Return Date/Time: <input type="text" value="12/05/2021, 21:30"/> Actual Return Date/Time: <input type="text" value="10/05/2021, 21:39"/>  <i>Return Date must be later than Rental Start Date!</i>  <b>Vehicle Details</b> Registration Number: SLF2290L Engine Capacity: 2000 Seating Capacity: 2 Fuel Type: Petrol Hire Rate (SGD): 120.0	<b>Mitsubishi/3000GT</b>  <b>Rental Details</b> Start Date/Time: <input type="text" value="11/05/2021, 21:30"/> Expected Return Date/Time: <input type="text" value="12/05/2021, 21:30"/> Actual Return Date/Time: <input type="text" value="10/05/2021, 21:39"/>  <i>Return Date must be later than Rental Start Date!</i>  <b>Vehicle Details</b> Registration Number: SLF2290L Engine Capacity: 2000 Seating Capacity: 2 Fuel Type: Petrol Hire Rate (SGD): 120.0	  <b>Total Charge with GST (SGD):</b> <input type="text" value="128.4"/>   <b>Complete Rental</b> <b>Cancel</b>	

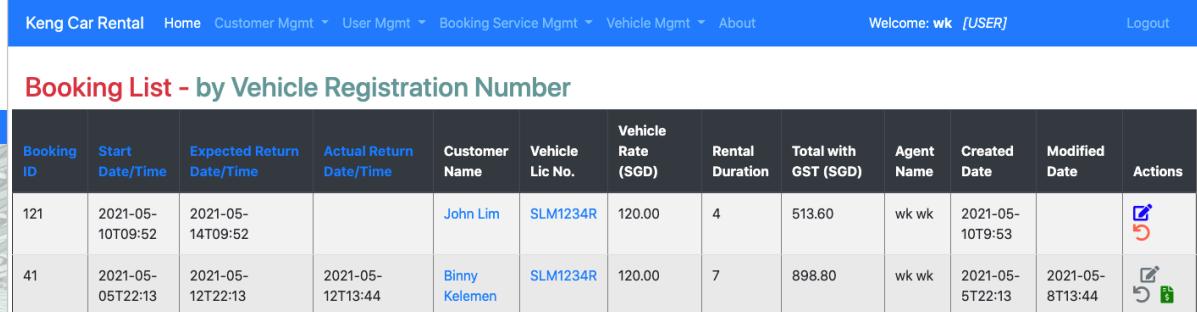


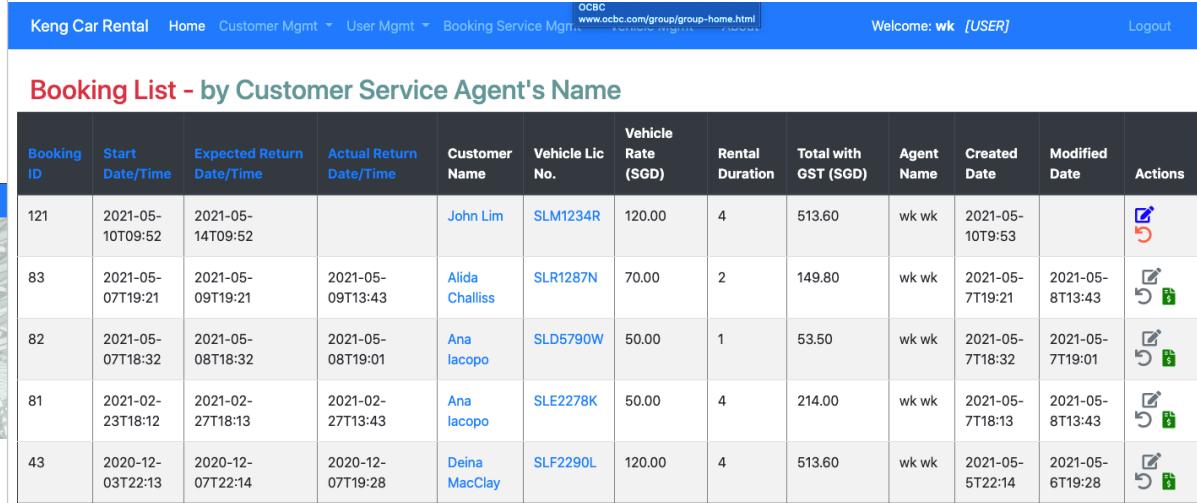
Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																									
4.6	Search booking by Booking ID	User is logged in.	USER, MANAGER, ADMIN	Booking ID: 121	<ol style="list-style-type: none"> <li>Click 'Booking Service Mgt'</li> <li>Click 'Search Booking By' -&gt; Booking ID</li> <li>Enter Booking ID</li> <li>Click 'Search' button</li> </ol>	Detail of Booking ID 121 is displayed.	Passed																									
					<p>Keng Car Rental   Home   Customer Mgmt   User Mgmt   Booking Service Mgmt   Vehicle Mgmt   About   Welcome: wk [USER]   Logout</p> <h3>Booking List - by Booking ID</h3> <table border="1"> <thead> <tr> <th>Booking ID</th> <th>Start Date/Time</th> <th>Expected Return Date/Time</th> <th>Actual Return Date/Time</th> <th>Customer Name</th> <th>Vehicle Lic No.</th> <th>Vehicle Rate (SGD)</th> <th>Rental Duration</th> <th>Total with GST (SGD)</th> <th>Agent Name</th> <th>Created Date</th> <th>Modified Date</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>121</td> <td>2021-05-10T09:52</td> <td>2021-05-14T09:52</td> <td></td> <td>John Lim</td> <td>SLM1234R</td> <td>120.00</td> <td>4</td> <td>513.60</td> <td>wk wk</td> <td>2021-05-10T09:53</td> <td></td> <td> </td> </tr> </tbody> </table> <p>Total Number of Bookings: 1 Page 1 of 1 - </p>	Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions	121	2021-05-10T09:52	2021-05-14T09:52		John Lim	SLM1234R	120.00	4	513.60	wk wk	2021-05-10T09:53		 	
Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions																				
121	2021-05-10T09:52	2021-05-14T09:52		John Lim	SLM1234R	120.00	4	513.60	wk wk	2021-05-10T09:53		 																				

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
4.7	Search booking by Customer Name	User is logged in.	USER, MANAGER, ADMIN	Firstname: john Lastname: LiM	<ol style="list-style-type: none"> <li>Click 'Booking Service Mgt'</li> <li>Click 'Search Booking By' -&gt; Customer Name</li> <li>Enter Firstname</li> <li>Enter Lastname</li> <li>Click 'Search' button</li> </ol>	<p>List of bookings under John Lim is displayed.</p> <p>Note that the search by name is case insensitive.</p>	Passed
							

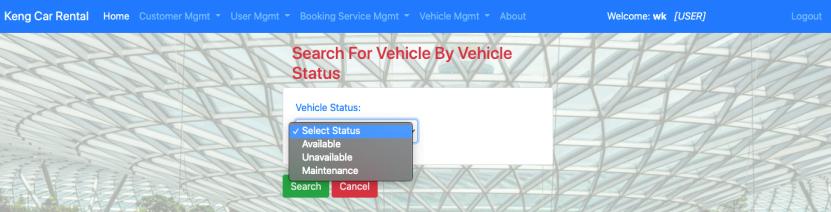
Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																									
4.8	Search booking by Customer Email	User is logged in.	USER, MANAGER, ADMIN	Email: johnlim@abc.com	<ol style="list-style-type: none"> <li>Click 'Booking Service Mgt'</li> <li>Click 'Search Booking By' -&gt; Customer Email</li> <li>Enter Email</li> <li>Click 'Search' button</li> </ol>	List of bookings under email johnlim@abc.com is displayed.	Passed																									
					 <table border="1"> <thead> <tr> <th>Booking ID</th> <th>Start Date/Time</th> <th>Expected Return Date/Time</th> <th>Actual Return Date/Time</th> <th>Customer Name</th> <th>Vehicle Lic No.</th> <th>Vehicle Rate (SGD)</th> <th>Rental Duration</th> <th>Total with GST (SGD)</th> <th>Agent Name</th> <th>Created Date</th> <th>Modified Date</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>121</td> <td>2021-05-10T09:52</td> <td>2021-05-14T09:52</td> <td></td> <td>John Lim</td> <td>SLM1234R</td> <td>120.00</td> <td>4</td> <td>513.60</td> <td>wk wk</td> <td>2021-05-10T09:53</td> <td></td> <td><input checked="" type="checkbox"/> </td> </tr> </tbody> </table> <p>Total Number of Bookings: 1 Page 1 of 1 - ⏪ ⏴ 1 ⏵ ⏩</p>	Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions	121	2021-05-10T09:52	2021-05-14T09:52		John Lim	SLM1234R	120.00	4	513.60	wk wk	2021-05-10T09:53		<input checked="" type="checkbox"/> 	
Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions																				
121	2021-05-10T09:52	2021-05-14T09:52		John Lim	SLM1234R	120.00	4	513.60	wk wk	2021-05-10T09:53		<input checked="" type="checkbox"/> 																				

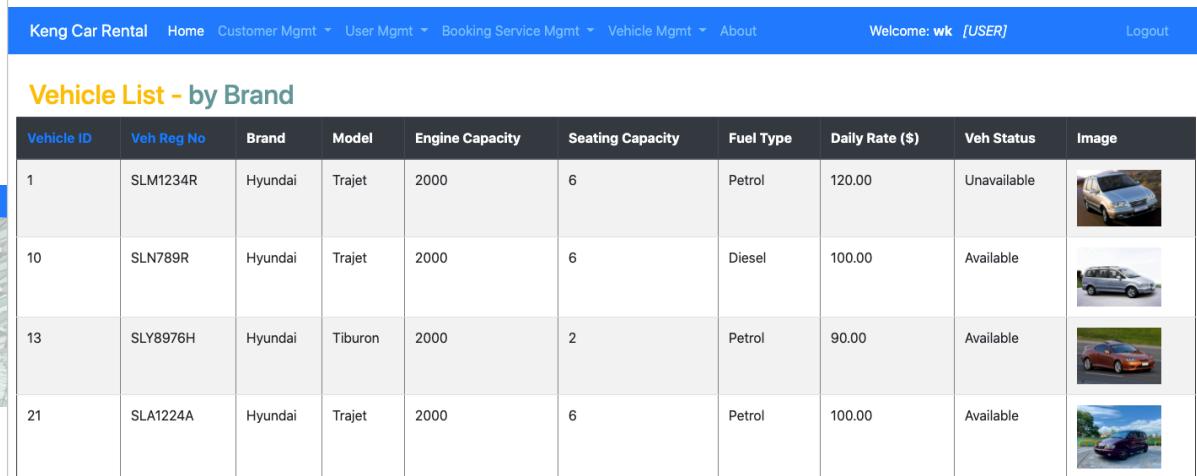
Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
4.9	Search booking by Customer Driving Lic No.	User is logged in.	USER, MANAGER, ADMIN	Driving Lic No.: S1781278Y	<ol style="list-style-type: none"> <li>Click 'Booking Service Mgt'</li> <li>Click 'Search Booking By' -&gt; Customer Driving Lic No.</li> <li>Enter Driving Lic No.</li> <li>Click 'Search' button</li> </ol>	List of bookings under Driving Lic No. S1781278Y is displayed.	Passed
							

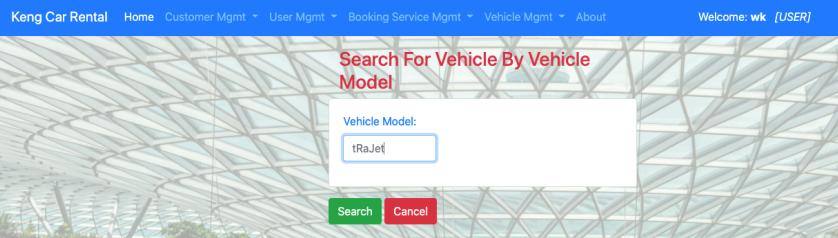
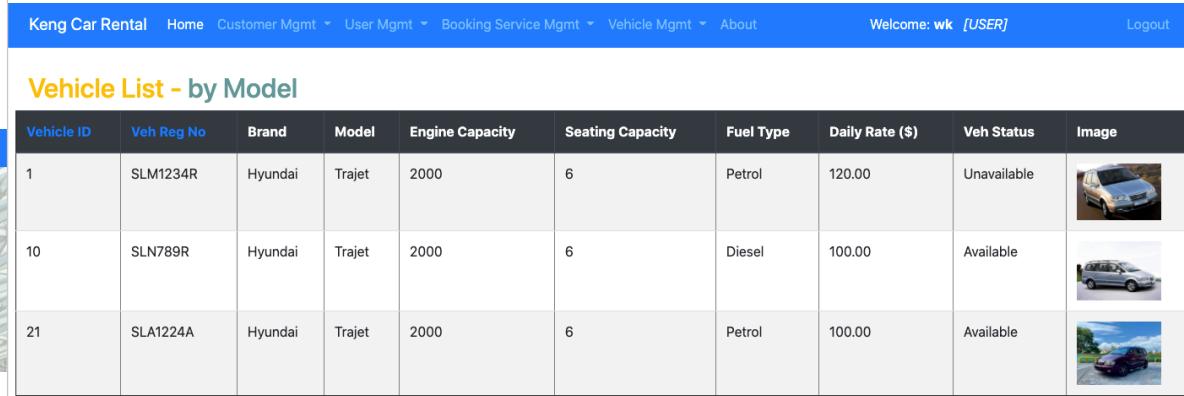
Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																																						
4.10	Search booking by Vehicle Registration No.	User is logged in.	USER, MANAGER, ADMIN	Vehicle Registration No.: SLM1234R	<ol style="list-style-type: none"> <li>Click 'Booking Service Mgt'</li> <li>Click 'Search Booking By' -&gt; Vehicle Registration No.</li> <li>Enter Vehicle Registration No.</li> <li>Click 'Search' button</li> </ol>	List of bookings under vehicle registration number, SLM1234R, is displayed.	Passed																																						
					 <p>The screenshot shows the application's interface. At the top, there is a navigation bar with links: Keng Car Rental, Home, Customer Mgmt, User Mgmt, Booking Service Mgmt, Vehicle Mgmt, and About. It also shows a welcome message "Welcome: wk [USER]" and a Logout link. Below the navigation bar, there is a search form titled "Search For Bookings By Vehicle Registration Number". The form has a text input field labeled "Vehicle Number:" containing "SLM1234R", and two buttons: "Search" and "Cancel". To the right of the search form, the main content area displays a table titled "Booking List - by Vehicle Registration Number". The table has columns: Booking ID, Start Date/Time, Expected Return Date/Time, Actual Return Date/Time, Customer Name, Vehicle Lic No., Vehicle Rate (SGD), Rental Duration, Total with GST (SGD), Agent Name, Created Date, Modified Date, and Actions. There are two rows of data in the table:</p> <table border="1"> <thead> <tr> <th>Booking ID</th><th>Start Date/Time</th><th>Expected Return Date/Time</th><th>Actual Return Date/Time</th><th>Customer Name</th><th>Vehicle Lic No.</th><th>Vehicle Rate (SGD)</th><th>Rental Duration</th><th>Total with GST (SGD)</th><th>Agent Name</th><th>Created Date</th><th>Modified Date</th><th>Actions</th></tr> </thead> <tbody> <tr> <td>121</td><td>2021-05-10T09:52</td><td>2021-05-14T09:52</td><td></td><td>John Lim</td><td>SLM1234R</td><td>120.00</td><td>4</td><td>513.60</td><td>wk wk</td><td>2021-05-10T9:53</td><td></td><td></td></tr> <tr> <td>41</td><td>2021-05-05T22:13</td><td>2021-05-12T22:13</td><td>2021-05-12T13:44</td><td>Binny Kelemen</td><td>SLM1234R</td><td>120.00</td><td>7</td><td>898.80</td><td>wk wk</td><td>2021-05-05T22:13</td><td>2021-05-08T13:44</td><td> </td></tr> </tbody> </table> <p>At the bottom of the main content area, it says "Total Number of Bookings: 2" and "Page 1 of 1 - &lt;&lt; &lt; 1 &gt; &gt;&gt;".</p>	Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions	121	2021-05-10T09:52	2021-05-14T09:52		John Lim	SLM1234R	120.00	4	513.60	wk wk	2021-05-10T9:53			41	2021-05-05T22:13	2021-05-12T22:13	2021-05-12T13:44	Binny Kelemen	SLM1234R	120.00	7	898.80	wk wk	2021-05-05T22:13	2021-05-08T13:44		
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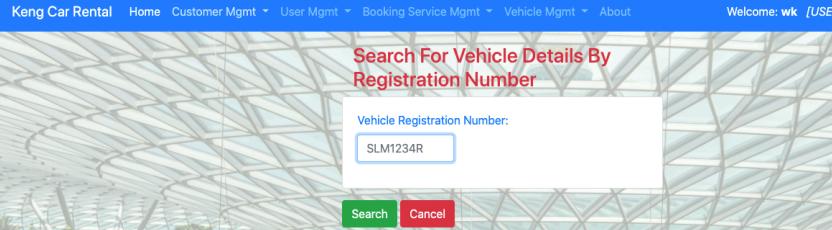
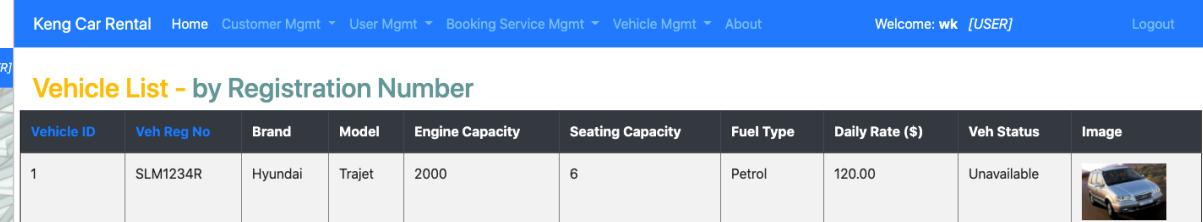
Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																																																																																		
4.11	Search booking by Customer Service Agent's (CSA) name.	User is logged in.	USER, MANAGER, ADMIN	CSA's name Firstname: wk Lastname: wk	<ol style="list-style-type: none"> <li>Click 'Booking Service Mgt'</li> <li>Click 'Search Booking By' -&gt; CSA's name</li> <li>Enter Firstname</li> <li>Enter Lastname</li> <li>Click 'Search' button</li> </ol>	List of bookings under CSA's name, wk wk, is displayed.	Passed																																																																																		
					 <p>The screenshot displays the 'Booking List - by Customer Service Agent's Name' page. At the top, there is a navigation bar with links for Home, Customer Mgmt, User Mgmt, Booking Service Mgmt, Vehicle Mgmt, and About. The user is logged in as 'wk [USER]'. Below the navigation is a search form titled 'Search For Bookings By Customer Service Agent's Name' with fields for First Name ('wk') and Last Name ('wk'). A 'Search' button is visible. The main content area shows a table of booking details:</p> <table border="1"> <thead> <tr> <th>Booking ID</th> <th>Start Date/Time</th> <th>Expected Return Date/Time</th> <th>Actual Return Date/Time</th> <th>Customer Name</th> <th>Vehicle Lic No.</th> <th>Vehicle Rate (SGD)</th> <th>Rental Duration</th> <th>Total with GST (SGD)</th> <th>Agent Name</th> <th>Created Date</th> <th>Modified Date</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>121</td> <td>2021-05-10T09:52</td> <td>2021-05-14T09:52</td> <td></td> <td>John Lim</td> <td>SLM1234R</td> <td>120.00</td> <td>4</td> <td>513.60</td> <td>wk wk</td> <td>2021-05-10T9:53</td> <td></td> <td></td><td></td> </tr> <tr> <td>83</td> <td>2021-05-07T19:21</td> <td>2021-05-09T19:21</td> <td>2021-05-09T13:43</td> <td>Alida Challiss</td> <td>SLR1287N</td> <td>70.00</td> <td>2</td> <td>149.80</td> <td>wk wk</td> <td>2021-05-07T19:21</td> <td>2021-05-08T13:43</td> <td></td><td></td> </tr> <tr> <td>82</td> <td>2021-05-07T18:32</td> <td>2021-05-08T18:32</td> <td>2021-05-08T19:01</td> <td>Ana Iacopo</td> <td>SLD5790W</td> <td>50.00</td> <td>1</td> <td>53.50</td> <td>wk wk</td> <td>2021-05-07T18:32</td> <td>2021-05-07T19:01</td> <td></td><td></td> </tr> <tr> <td>81</td> <td>2021-02-23T18:12</td> <td>2021-02-27T18:13</td> <td>2021-02-27T13:43</td> <td>Ana Iacopo</td> <td>SLE2278K</td> <td>50.00</td> <td>4</td> <td>214.00</td> <td>wk wk</td> <td>2021-05-07T18:13</td> <td>2021-05-08T13:43</td> <td></td><td></td> </tr> <tr> <td>43</td> <td>2020-12-03T22:13</td> <td>2020-12-07T22:14</td> <td>2020-12-07T19:28</td> <td>Deina MacClay</td> <td>SLF2290L</td> <td>120.00</td> <td>4</td> <td>513.60</td> <td>wk wk</td> <td>2021-05-05T22:14</td> <td>2021-05-06T19:28</td> <td></td><td></td> </tr> </tbody> </table> <p>Total Number of Bookings: 9</p> <p>Page 1 of 2 -   1  2  </p>	Booking ID	Start Date/Time	Expected Return Date/Time	Actual Return Date/Time	Customer Name	Vehicle Lic No.	Vehicle Rate (SGD)	Rental Duration	Total with GST (SGD)	Agent Name	Created Date	Modified Date	Actions	121	2021-05-10T09:52	2021-05-14T09:52		John Lim	SLM1234R	120.00	4	513.60	wk wk	2021-05-10T9:53				83	2021-05-07T19:21	2021-05-09T19:21	2021-05-09T13:43	Alida Challiss	SLR1287N	70.00	2	149.80	wk wk	2021-05-07T19:21	2021-05-08T13:43			82	2021-05-07T18:32	2021-05-08T18:32	2021-05-08T19:01	Ana Iacopo	SLD5790W	50.00	1	53.50	wk wk	2021-05-07T18:32	2021-05-07T19:01			81	2021-02-23T18:12	2021-02-27T18:13	2021-02-27T13:43	Ana Iacopo	SLE2278K	50.00	4	214.00	wk wk	2021-05-07T18:13	2021-05-08T13:43			43	2020-12-03T22:13	2020-12-07T22:14	2020-12-07T19:28	Deina MacClay	SLF2290L	120.00	4	513.60	wk wk	2021-05-05T22:14	2021-05-06T19:28			
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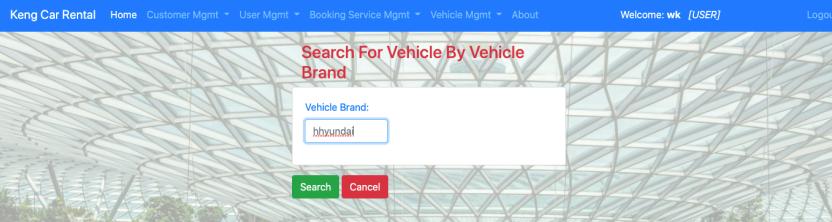
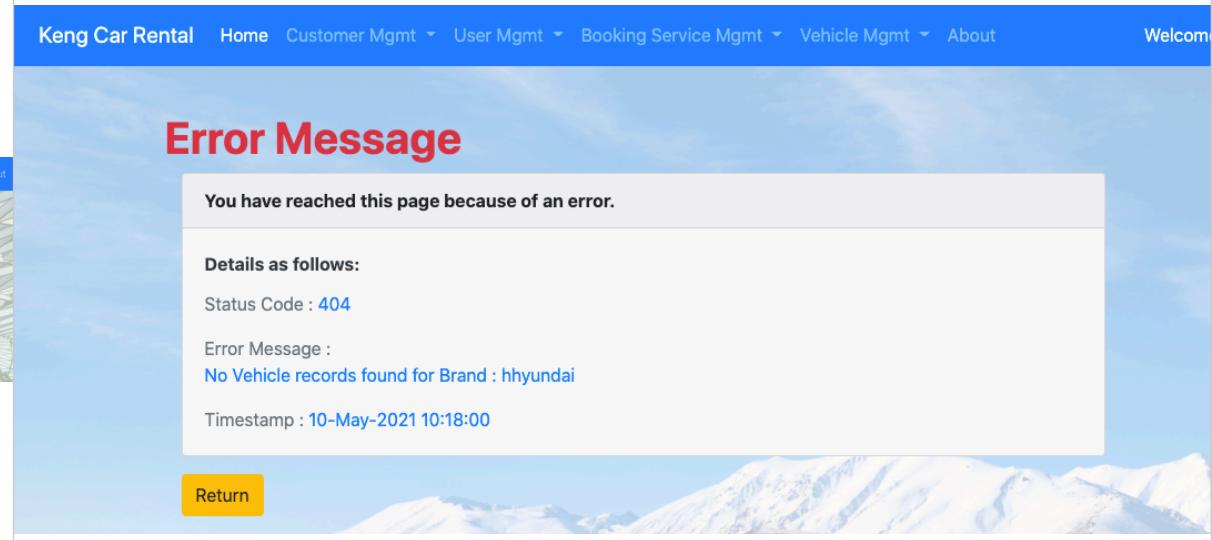
Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																																																					
5	<b>Vehicle Mgmt on Navbar</b>																																																											
5.1	List all vehicles. User ('USER') is able to list all vehicles.	User (Role: 'USER') is logged in.	USER, MANAGER, ADMIN	None	1. Click 'Vehicle Mgt' 2. Click 'List Vehicle'	'Vehicle List - All' table is displayed.	Passed																																																					
 <p>Keng Car Rental   Home   Customer Mgmt ▾   User Mgmt ▾   Booking Service Mgmt ▾   Vehicle Mgmt ▾   About   Welcome: wk /USER   Logout</p> <p><b>Vehicle List - All</b></p> <table border="1"> <thead> <tr> <th>Vehicle ID</th><th>Veh Reg No</th><th>Brand</th><th>Model</th><th>Engine Capacity</th><th>Seating Capacity</th><th>Fuel Type</th><th>Daily Rate (\$)</th><th>Veh Status</th><th>Image</th></tr> </thead> <tbody> <tr> <td>1</td><td>SLM1234R</td><td>Hyundai</td><td>Trajet</td><td>2000</td><td>6</td><td>Petrol</td><td>120.00</td><td>Unavailable</td><td></td></tr> <tr> <td>2</td><td>SLE2278K</td><td>Mazda</td><td>Millenia</td><td>1600</td><td>4</td><td>Petrol</td><td>50.00</td><td>Available</td><td></td></tr> <tr> <td>3</td><td>SLR1287N</td><td>Cadillac</td><td>DeVille</td><td>2000</td><td>4</td><td>Petrol</td><td>70.00</td><td>Available</td><td></td></tr> <tr> <td>4</td><td>SLF2290L</td><td>Mitsubishi</td><td>3000GT</td><td>2000</td><td>2</td><td>Petrol</td><td>120.00</td><td>Available</td><td></td></tr> <tr> <td>5</td><td>SLD5790W</td><td>Toyota</td><td>Tercel</td><td>1000</td><td>2</td><td>Petrol</td><td>50.00</td><td>Available</td><td></td></tr> </tbody> </table> <p>Total Number of Vehicles: 23</p> <p>Page 1 of 5 - ⏪ ⏴ 1 2 3 4 5 ⏵ ⏶</p>	Vehicle ID	Veh Reg No	Brand	Model	Engine Capacity	Seating Capacity	Fuel Type	Daily Rate (\$)	Veh Status	Image	1	SLM1234R	Hyundai	Trajet	2000	6	Petrol	120.00	Unavailable		2	SLE2278K	Mazda	Millenia	1600	4	Petrol	50.00	Available		3	SLR1287N	Cadillac	DeVille	2000	4	Petrol	70.00	Available		4	SLF2290L	Mitsubishi	3000GT	2000	2	Petrol	120.00	Available		5	SLD5790W	Toyota	Tercel	1000	2	Petrol	50.00	Available	
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Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status																																																	
5.2	Search vehicle by Availability.	User is logged in.	USER, MANAGER, ADMIN	Status:Maintenance	<ol style="list-style-type: none"> <li>Click 'Vehicle Mgt'</li> <li>Click 'Search Vehicle By' -&gt; 'Availability'</li> <li>Select 'Maintenance'</li> <li>Click 'Search' button</li> </ol>	All vehicles with status 'Maintenance' are listed on the 'Vehicle List - by Availability' page.	Passed																																																	
				 <p>The screenshot shows the 'Search For Vehicle By Vehicle Status' page. A dropdown menu is open under 'Vehicle Status' with options: 'Select Status', 'Available', 'Unavailable', and 'Maintenance'. The 'Maintenance' option is highlighted with a blue border. Below the dropdown are 'Search' and 'Cancel' buttons.</p>	<p style="text-align: center;"><b>Vehicle List - by Availability</b></p> <table border="1"> <thead> <tr> <th>Vehicle ID</th> <th>Veh Reg No</th> <th>Brand</th> <th>Model</th> <th>Engine Capacity</th> <th>Seating Capacity</th> <th>Fuel Type</th> <th>Daily Rate (\$)</th> <th>Veh Status</th> <th>Image</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>SLK5467J</td> <td>Dodge</td> <td>Ram 3500 Club</td> <td>2000</td> <td>2</td> <td>Petrol</td> <td>90.00</td> <td>Maintenance</td> <td></td> </tr> <tr> <td>12</td> <td>SLA1290G</td> <td>Volkswagen</td> <td>Jetta</td> <td>1600</td> <td>4</td> <td>Petrol</td> <td>90.00</td> <td>Maintenance</td> <td></td> </tr> <tr> <td>14</td> <td>SGT8967T</td> <td>Hyundai</td> <td>Accent</td> <td>1600</td> <td>4</td> <td>Petrol</td> <td>50.00</td> <td>Maintenance</td> <td></td> </tr> <tr> <td>17</td> <td>SLZ1290J</td> <td>Mitsubishi</td> <td>Mighty Max Macro</td> <td>2000</td> <td>2</td> <td>Petrol</td> <td>100.00</td> <td>Maintenance</td> <td></td> </tr> </tbody> </table> <p style="text-align: right;">Total Number of Vehicles: 4</p> <p style="text-align: right;">Page 1 of 1 - &lt;&lt; &lt; 1 &gt; &gt;&gt;</p>	Vehicle ID	Veh Reg No	Brand	Model	Engine Capacity	Seating Capacity	Fuel Type	Daily Rate (\$)	Veh Status	Image	11	SLK5467J	Dodge	Ram 3500 Club	2000	2	Petrol	90.00	Maintenance		12	SLA1290G	Volkswagen	Jetta	1600	4	Petrol	90.00	Maintenance		14	SGT8967T	Hyundai	Accent	1600	4	Petrol	50.00	Maintenance		17	SLZ1290J	Mitsubishi	Mighty Max Macro	2000	2	Petrol	100.00	Maintenance		
Vehicle ID	Veh Reg No	Brand	Model	Engine Capacity	Seating Capacity	Fuel Type	Daily Rate (\$)	Veh Status	Image																																															
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Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.3	Search vehicle by Brand.	User is logged in.	USER, MANAGER, ADMIN	Brand: HyunDai	<ol style="list-style-type: none"> <li>Click 'Vehicle Mgt'</li> <li>Click 'Search Vehicle By' -&gt; 'Brand'</li> <li>Enter 'HyunDai'</li> <li>Click 'Search' button</li> </ol>	<p>Vehicles of brand Hyundai are listed on the 'Vehicle List - by Brand' page.</p> <p>Note: the search is case insensitive.</p>	Passed
					<p>Total Number of Vehicles: 4</p> <p>Page 1 of 1 - &lt;&lt; &lt; 1 &gt; &gt;&gt;</p>		

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.4	Search vehicle by Model.	User is logged in.	USER, MANAGER, ADMIN	Model: tRaJet	<ol style="list-style-type: none"> <li>Click 'Vehicle Mgt'</li> <li>Click 'Search Vehicle By' -&gt; 'Model'</li> <li>Enter 'tRaJet'</li> <li>Click 'Search' button</li> </ol>	<p>Vehicles of model Trajet are listed on the 'Vehicle List - by Model' page.</p> <p>Note: the search is case insensitive.</p>	Passed
						<p>Total Number of Vehicles: 3</p> <p>Page 1 of 1 - &lt;&lt; &lt; 1 &gt; &gt;&gt;</p>	

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.5	Search vehicle by Vehicle Registration Number.	User is logged in.	USER, MANAGER, ADMIN	Registration No.: SLM1234R	<ol style="list-style-type: none"> <li>Click 'Vehicle Mgt'</li> <li>Click 'Search Vehicle By' -&gt; 'Registration Number'</li> <li>Enter 'SLM1234R'</li> <li>Click 'Search' button</li> </ol>	Vehicle with registration number, SLM1234R, is listed on the 'Vehicle List - by Registration Number' page.	Passed
					 <p>Total Number of Vehicles: 1 Page 1 of 1 - &lt;&lt; &lt; 1 &gt; &gt;&gt;</p>		

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.6	Search vehicle by Brand - invalid brand name.	User is logged in.	USER, MANAGER, ADMIN	Brand: Hyundai	<ol style="list-style-type: none"> <li>Click 'Vehicle Mgt'</li> <li>Click 'Search Vehicle By' -&gt; 'Brand'</li> <li>Enter 'hhyundai'</li> <li>Click 'Search' button</li> </ol>	Error message page is displayed due to typo error on 'hhyundai'.	Passed
							

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.7	List all vehicles. User ('MANAGER' or 'ADMIN') is able to list all vehicles.	User (Role: 'MANAGER' or 'ADMIN') is logged in.	MANAGER, ADMIN	None	1. Click 'Vehicle Mgt' 2. Click 'List Vehicle'	'Vehicle List - All' table is displayed.  Note: users with role or 'MANAGER' or 'ADMIN' have access to the 'Actions' column where they will be able to modify and delete vehicle records.	Passed

Keng Car Rental Home Customer Mgmt ▾ User Mgmt ▾ Booking Service Mgmt ▾ Vehicle Mgmt ▾ Management Reporting ▾ About Welcome: wong [MANAGER] Logout

## Vehicle List - All

Vehicle ID	Veh Reg No	Brand	Model	Engine Capacity	Seating Capacity	Fuel Type	Daily Rate (\$)	Veh Status	Image	Actions
1	SLM1234R	Hyundai	Trajet	2000	6	Petrol	120.00	Unavailable		
2	SLE2278K	Mazda	Millenia	1600	4	Petrol	50.00	Available		
3	SLR1287N	Cadillac	DeVille	2000	4	Petrol	70.00	Available		
4	SLF2290L	Mitsubishi	3000GT	2000	2	Petrol	120.00	Available		
5	SLD5790W	Toyota	Tercel	1000	2	Petrol	50.00	Available		

Total Number of Vehicles: 23

Page 1 of 5 - 1 2 3 4 5

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.8	Modify vehicle record.	User (Role: 'MANAGER' or 'ADMIN') is logged in.	MANAGER, ADMIN	Veh Reg No: SLM1234R Daily Rate (\$): 120	<ol style="list-style-type: none"> <li>Click 'Vehicle Mgt'</li> <li>Click 'List Vehicle'</li> <li>For Veh Reg No. SLM1234R, click the associated 'Modify' (Pen &amp; Paper icon) in the 'Actions column'</li> <li>Change Daily Rate (\$) to 120</li> <li>Click 'Update Vehicle Details' button</li> </ol>	Daily Rate of SLM1234R updated. Successfully updated message shown on 'Vehicle List - All' page.	Passed

Keng Car Rental Home Customer Mgmt User Mgmt Booking Service Mgmt Vehicle Mgmt About Welcome: keng [ADMIN] Logout

Update Vehicle

Registration Number : SLM1234R

Model / Brand	Capacity / Fuel Type
Brand : Hyundai	Seating Capacity : 6
Model : Trajet	Engine Capacity : 2000
	Fuel Type : Petrol

Rate / Status	Image
Daily Rate (\$) : 120.0	Photo : Choose file No file chosen (Maximum image file size is 1Mb or less.)
Status : Unavailable	

Update Vehicle Details Back to Listing

Keng Car Rental Home Customer Mgmt User Mgmt Booking Service Mgmt Vehicle Mgmt About Welcome: keng [ADMIN] Logout

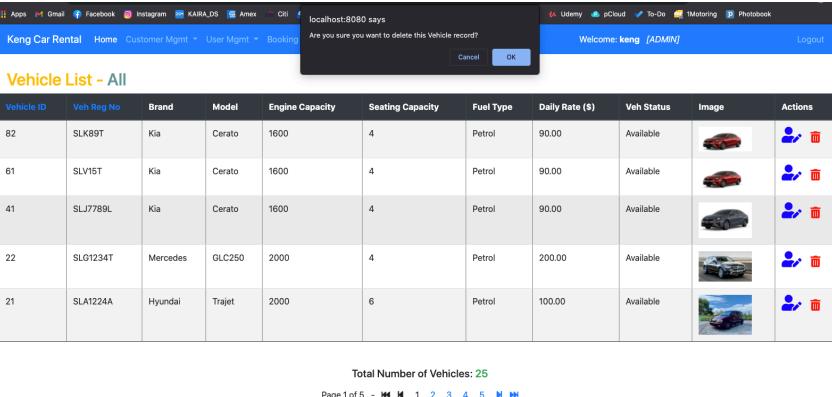
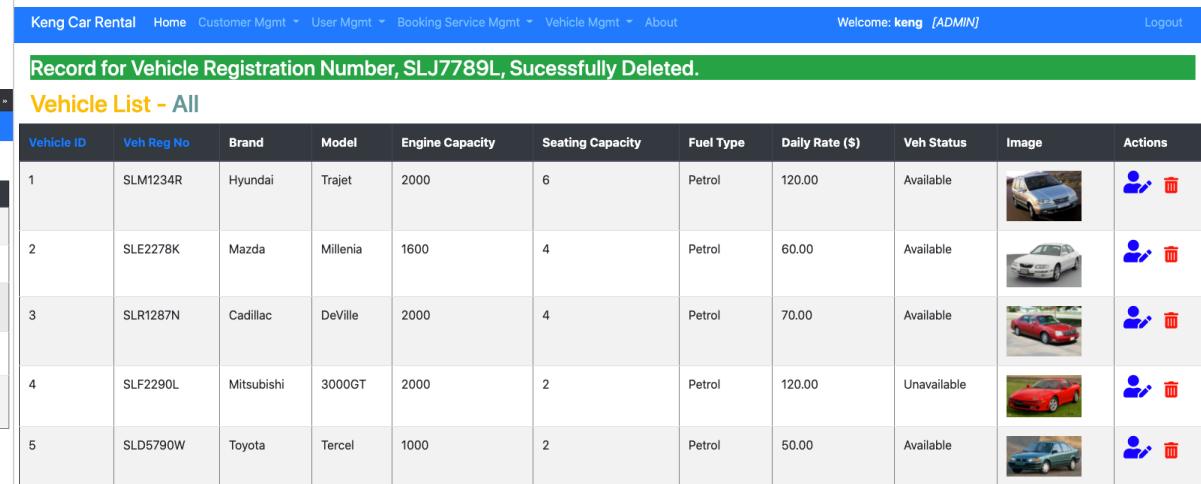
Record for Vehicle Registration Number, SLM1234R, Sucessfully Updated.

Vehicle List - All

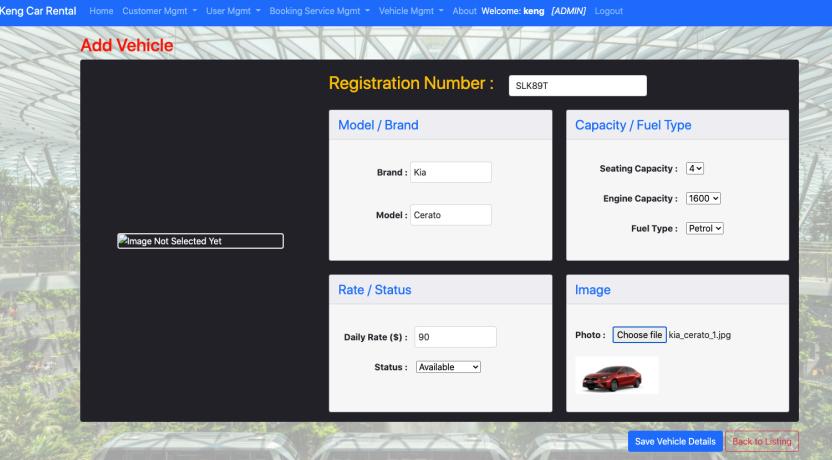
Vehicle ID	Veh Reg No	Brand	Model	Engine Capacity	Seating Capacity	Fuel Type	Daily Rate (\$)	Veh Status	Image	Actions
1	SLM1234R	Hyundai	Trajet	2000	6	Petrol	120.00	Available		
2	SLE2278K	Mazda	Millenia	1600	4	Petrol	60.00	Available		
3	SLR1287N	Cadillac	DeVille	2000	4	Petrol	70.00	Available		
4	SLF2290L	Mitsubishi	3000GT	2000	2	Petrol	120.00	Unavailable		
5	SLD5790W	Toyota	Tercel	1000	2	Petrol	50.00	Available		

Total Number of Vehicles: 24

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Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.9	Delete vehicle record.	User (Role: 'ADMIN') is logged in.	MANAGER ADMIN	Registration No.: SLJ7789L	<ol style="list-style-type: none"> <li>Click 'Vehicle Mgt'</li> <li>Click 'List Vehicle'</li> <li>For Veh Reg No. SLJ7789L, click the associated 'Delete' (Trash Bin icon) in the 'Actions' column</li> <li>Confirm Deletion</li> </ol>	Selected vehicle record deleted successfully.	Passed
							



Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
5.11	Add vehicle.	User (Role: 'ADMIN') is logged in.	ADMIN	Registration No.: SLK89T Brand: Kia Model: Cerato Seating Capacity: 4 Engine Capacity: 1600 Fuel Type: Petrol Daily Rate (\$): 90 Status: Available Photo: kia_cerato_1.jpg	1. Click 'Vehicle Mgt' 2. Click 'Add Vehicle' 3. Input all relevant information 4. Click 'Save Vehicle Details' button	New vehicle record successfully saved.	Passed
						Total Number of Vehicles: 25 Page 1 of 5 - << < 1 2 3 4 5 > >>	

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
6	<b>Management Reporting on Navbar</b>						
6.1	Management Reporting menu is only visible to user of role 'MANAGER'. Bookings By Month Report page shows Line Charts for number of bookings by month and revenue by month for the selected time period.	User (Role: 'MANAGER') is logged in.	MANAGER	Select Number Of Months: 6 Months	<ol style="list-style-type: none"> <li>Click 'Management Reporting'</li> <li>Click 'Bookings By Month'</li> <li>Select '6 Months' for the 'Required Time Period'</li> </ol>	<p>Following line charts are displayed on the page:</p> <ol style="list-style-type: none"> <li>Number of Bookings For Past 6 Months</li> <li>Revenue For Past 6 Months</li> </ol>	Passed
							

Test ID	Purpose	Pre-condition	Applicable Role	Test Data	Process Step	Results	Status
6.2	Bookings By Vehicle Models page shows Pie Charts for number of bookings by models and revenue by models for the selected time period.	User (Role: 'MANAGER') is logged in.	MANAGER	Select Number Of Months: 6 Months	<ol style="list-style-type: none"> <li>Click 'Management Reporting'</li> <li>Click 'Bookings By Vehicle Models'</li> <li>Select '6 Months' for the 'Required Time Period'</li> </ol>	<p>Following pie charts are displayed on the page:</p> <ol style="list-style-type: none"> <li>Number of Bookings By Car Models For Past 6 Months</li> <li>Revenue By Car Models For Past 6 Months</li> </ol>	Passed
7	About on Navbar						

