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| Test case ID | Test Objective | Precondition | Steps | Test Data | Expected result/acceptance criteria | Post Condition | Test Status |
| 1 | View Home Page | 1. The test machine should be configured to run the Car Rental Page 2. Most browsers should be configured to run this HTML5 | 1. Run the car rental website on the local instance of the Django Server 2. Start any web browser of your choice 3. Enter the URL <http://localhost:8000/> in the address bar of any web browser | A valid URL such as http://locathost:8000/ | User should be navigated to Car Rental 79 home page. The homepage must contain the following menu buttons representing different services offered via the site.  Navigation Bar   1. Register 2. Login 3. Logout 4. Home 5. Profile; Note: Only if logged in your account 6. About Page 7. Database: Only if logged in with Employee/ Manager Account 8. View Vehicle | User should be able to navigate to different pages Car Rental site using the navigation buttons | Pass |
| 2 | User(customer) can search for vehicle in the home page | Car rental site is launched on a compatible browser | 1. Open the site 2. The front page will show multiple input box for user to input location, time and date 3. Enter the detail that the user wants to input 4. Press the submit button | Pick Up location: Brisbane Airport  Pickup date: 21/07/2018  Pickup time: 4:20 PM  Drop Off Date: 22/07/2018  Pickup time: 10:00 AM | As the user enters the site, they will see input boxes that requires the user to input some details  Once the user has filled the details and pressed the submit button, the user will be brought to another page with vehicles that are available at the date and time they inputted | User can use all the available services to search for a vehicle during that period of time | Failed |
| 3 | User can create a new account using the Car Rental site | Car rental site is launched | 1. Navigate to the register page by clicking the “Register” button on the main page 2. Choose suitable user, customer or employee 3. Fill in information required 4. Click the “Submit” button to submit all the filled information | Customer  Valid username: user01  Password: password123@  Email: asdf@gmail.com  Employee  Valid username: user02  Password: password123@  Email: qwerty@gmail.com  Employee ID: 15903  State: New South Wales | When the customer or employee clicks the “Register” menu item, they are navigated to the create account form. Create account page for customer contains textboxes for Username, Email, Password, Retype Password. Create account page for employee contains textboxes for username, email, password, retype password, employee ID. | Customer  Customer can use the booking function  Employee  Employee can use all services of the Car Rental site which includes the database access | Pass |
| 4 | Password and Retype password fields in the Register form are masked with asterisk for each character typed in | Car rental site is launched | Navigate to the account creation page by clicking the “register” button on the navigation bar | N/A | When the customer type’s in a password, the password is turned into asterisk to protect their password from being seen | User’s password is protected when typed out | Pass |
| 5 | Choosing big username | Car rental site is launched | 1. Navigate to the account creation page by clicking ”register” button on the navigation bar 2. Typing in a big username 3. Enter remaining details 4. Press the submit button | Username:  Jay123qwertyuser12509 | When the customer enters the username and remaining details and press submit  The page will save the user because the maximum character available for use is up to 150 | The user will have a long username | Pass |
| 6 | Missing detail during register | Car rental site is launched | 1. Navigate to the account creation page 2. Type all the details needed except for one 3. Press the submit button | N/A | The page will not change and will request the user to input the missing detail | The user will not be able to complete the register process | Pass |
| 7 | Inputting simple password | Car rental site is launched | 1. Navigate to the register page 2. Type all the details needed 3. Input simple password 4. Press the submit button | Password: password | The account will not be created and would require the user to input a better password | The user will not be able to complete the register process | Pass |
| 8 | Inputting incomplete email | Car rental site is launched | 1. Navigate to the register page 2. Type all the details needed 3. Input incomplete email 4. Press the submit button | Email: asdf@g | The account will not be created and would require the user to input a complete email | The user will not be able to complete the register process | Pass |
| 9 | Manager and Employee privilege | 1. Car rental site is launched 2. Account already created | 1. Navigate to login page 2. Input all details for manage or employee 3. Press the submit button | N/A | Database and analysis button will appear | The user will be able to use the database and analysis function | Pass |
| 10 | Customer analysis and database page | 1. Car rental site is launched 2. Account already created | 1. Navigate to login page 2. Input all details for customer 3. Press the submit button | N/A | Database and analysis button will not appear | The user will not be able to use the database and analysis function | Pass |
| 11 | Typing in analysis url for employee and manager | 1. Car rental site is launched 2. Account already created | 1. Type in the url <http://localhost:8000/chart> 2. Type in login details 3. Press the submit button | N/A | Before the analysis page is open, the user is required to login and the user will be checked for privilege  The user will be brought to the analysis page after logging in | The user will be able to use the analysis function | Pass |
| 12 | Typing in database url for employee and manager | 1. Car rental site is launched 2. Account already created | 1. Type in the url <http://localhost:8000/database> 2. Type in login details 3. Press the submit button | N/A | Before the database page is open, the user is required to login and the user will be checked for privilege.  The user will be brought to the database page after logging in | The user will be able to use the database function | Pass |
| 13 | Typing in analysis page url for customer | 1. Car rental site is launched 2. Account already created | 1. Type in the url <http://localhost:8000/chart> 2. Type in login details 3. Press the submit button | N/A | Before the analysis page is open, the user is required to login and the user will be checked for privilege.  The user will be brought back to the home page | The user will not be able to access the analysis page | Pass |
| 14 | Typing in database page url for customer | 1. Car rental site is launched 2. Account already created | 1. Type in the url <http://localhost:800/database> 2. Type in login details 3. Press the submit button | N/A | Before the database page is open, the user is required to login and the user will be checked for privilege.  The user will be brought back to the home page | The user will not be able to access the database page | Pass |
| 15 | Login to account | 1. Car rental site is launched 2. Account already created | 1. Navigate and click the sign in button 2. Enter username and password 3. Press the submit button | N/A | Once the user enters their login credentials and it is accepted the user will be taken to the home page | User can use all available function that they permission to | Pass |
| 16 | Filtering a search | Car Rental site is launched on a browser | 1. Navigate and click the view vehicle button 2. Choose the filter the user wants | Car Capacity: 7 People  Engine Type: 1.6L Engine  Price Range = 100 – 200  Model: 2004 Hatch | The user will select the filter they want under:   1. Car Capacity 2. Engine Type 3. Price Range 4. Model | The user can filter the vehicle to find the vehicle that fits their description | Failed |
| 17 | Updating profile page | 1. Car rental site launched 2. Account already created 3. User already logged in | 1. Navigate and click the profile button 2. Edit the username or email field the user wants 3. Press the submit button | N/A | The user’s email or username changes | The user can change their username or email | Pass |
| 18 | Employee and manager can view different database | 1. Car rental site launched 2. Employee/ Manager account already created 3. User already logged in | 1. Navigate to the database button 2. Find the database type button on the database page 3. Choose one of the database available | Database choices:  Customer  Order  Vehicle | The user is brought to the database of their choice | The user can change different databases | Pass |
| 19 | Employee and manager can view different performance based on their state | 1. Car rental site launched 2. Employee/ Manager account already created 3. User already logged in | 1. Navigate to the analysis button 2. Navigate to the performance button 3. Choose one of the available option | Performance button choices:  Yearly  Monthly | The user is brought to the performance of their choice | The user can change different views for analysis page | Pass |
| 20 | Employee and manager can view different years in the monthly performance in the analysis page | 1. Car rental site launched 2. Employee/Manager account already created 3. User already logged in | 1. Navigate to the analysis button 2. Navigate to the performance button 3. Choose the Monthly option 4. Navigate to the choose year button and choose one of the available option | Choose year button:  2005  2006  2008 | The user is brought to the performance of their choice | The user can change different years for the stores monthly performance | Pass |
| 21 | Forgot account password | 1. Car rental site launched 2. Account has to be registered and email needs to be valid | 1. Navigate to the login page 2. Press the forgot password link 3. Enter email address 4. Press submit button | N/A | The user gets an email to reset their password | The user is able to login with a new password | Pass |