EZ Park

Full App Testing Report

Section 1.1

* See the **test\_scenario\_table.xlsl**
* Operations table

|  |  |
| --- | --- |
| **#OP** | **Description** |
| 1a | User / Manager / Admin registration with all empty inputs |
| 1b | User / Manager / Admin registration with all valid inputs |
| 2a | User / Manager / Admin login with all empty inputs |
| 2b | User / Manager / Admin login with wrong inputs |
| 2c | User / Manager / Admin login with all valid inputs |
| 3a | Search parking spot with invalid time entry |
| 3b | Search parking spot with valid time entry |
| 4a | Submit empty form for paymet |
| 4b | Submit payment page with valid inputs |
| 5a | Searching parking spot with empty inputs |
| 5b | Searching parking spot with valid inputs |
| 6a | Manager adds parking area with all empty inputs |
| 6b | Manager adds parking area with all valid inputs |
| 7a | Manager edits parking area with all empty inputs |
| 7b | Manager edits parking area with all valid inputs |
| 8 | Manager marks violation on reservation |
| 9 | Admin Revokes an user |
| 10a | Manager/Admin search user with empty inputs |
| 10b | Manager/Admin search user with Last name filter and valid inputs |
| 10c | Manager/Admin search user with UTA id filter and valid inputs |
| 11a | User edits profile with all empty inputs |
| 11b | User edits profile with all valid inputs |
| 12a | Manager/Admin edits user profile with all empty inputs |
| 12b | Manager/Admin edits user profile with all valid inputs |
| 13 | User views status |
| 14 | Revoked user makes a reservation |
| 15 | User with 3 reservation makes more reservations |
| 16 | Manager delete reservation |
| 17 | User edits reservation |
| 18 | Admin / Manager edits reservation |

Section 1.2

Test case summary table

|  |  |  |
| --- | --- | --- |
| **#TC** | **Testcase description** | **Result** |
| SeleniumTC01 | Register User | Passed |
| SeleniumTC02 | Login User | Passed |
| SeleniumTC03 | User Make Reservation | Passed |
| SeleniumTC04 | User Search Parking Spot | Passed |
| SeleniumTC05 | Manager Add Parking Area | Passed |
| SeleniumTC06 | Manager Edit Parking Area | Passed |
| SeleniumTC07 | Manager Mark Violation | Passed |
| SeleniumTC08 | Admin Revoke the User | Passed |
| SeleniumTC09 | Admin Search User with Last Name | Passed |
| SeleniumTC10 | Admin Search User with UTA id | Passed |
| SeleniumTC11 | User Edit Profile | Passed |
| SeleniumTC12 | Manager/Admit Edit User Profile | Passed |
| SeleniumTC13 | User View Status | Passed |
| SeleniumTC14 | Revoked User Making Reservation | Passed |
| SeleniumTC15 | Max Reservation Check | Passed |
| SeleniumTC16 | Manager Delete Reservation | Passed |
| SeleniumTC17 | User Edit Reservation | Passed |
| SeleniumTC18 | Manager/ Admin Edit Reservation | Passed |

Section 1.3

* Test Coverage – see **Metrics.xlsx**
* In DAO classes we don’t have full branch coverage because try – catch blocks are not having coverage. In all DAOs files we have over all 98% branch coverage.

Section 1.4

* Selenium Test Organization

1. **Functions Folder:**

parking\_system.functions Folder contains Parking\_SystemFunctions.java file which contains following functions such as register, login, searchUser, viewReservation, setViolations, viewUser, setUserStatus, searchParking, selectParking, payForParking, and logout all of these are being used in the SeleniumTC01 to SeleniumTC18.

1. **Configurations File:**

Contains information regarding path to SharedUIMap properties file, URL path for the web application and contains delay property which allows user to set delay on each transition page.

1. **SharedUIMap:**

Contains mapping to all the HTML elements such as text fields, radio button, submit buttons, selection button and Hyperlinks which are present in the frontend Web pages used during this A05 submission such as register, login, homepage and so on. The mapping used for these elements varies from XPath to ID name to CSS which is based on the convenience of the user.

1. **Tests Package:**

Test package contains:

* + - Excel (contains all the test cases for Selenium)
    - parking\_system.selenium ( contains Selenium Tests for Front End - All test used)
    - parking\_system.functions (contains Selenium Unit Functions - All function used)
    - parking\_system.model (contains JUnit tests for Backend - All test used)

Section 1.5

* Youtube link
  + <https://www.youtube.com/watch?v=YOahztLzr3s&list=PL_v6J4P0eWDDIqmOsNJ0rbvmYCn1L0qFy>