Unit Test Document

Lahore University of management science | Opposite Sector U, DHA, Lahore Cant, Lahore, Pakistan

Car pooling Software

Wajahat Hasan

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| Car Pooling | | | | | | |
| Unit Test | | | | | | |
| Module under test: Login | | | | | | |
| Developed /Executed By: Muhamad Wajahat/ Luqman Ghani  Execution Date: 12-4-2013  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Wrong Password | Some correct username with any password | Display error of wrong password | Pass | Displayed Error | **Working** |
| **2** | Wrong Username | Wrong username, any password | Display error of user not exist | Pass | Displayed Error | **Working** |
| 3 | Username and password correct | Correct Username and password | Successful Login and redirection to Home | Pass | Logged in Successfully | **Working** |

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| Unit Test | | | | | | |
| Module under test: Advertise Lift | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Correct form advertising | Fill the form completely | Lift should be added to the database |  |  |  |
| **2** | Incomplete form advertising | Leave some of the required fields empty | The system should not allow to submit the form |  |  |  |
| 3 | Wrong values in the form | Fill the fields with some invalid content/ invalid format | The system should prompt the user to enter input in correct format |  |  |  |

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| Unit Test | | | | | | |
| Module under test: Update Profile | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Complete Profile update | Fill the form completely with appropriate | Profile information should be updated accordingly |  |  |  |
| **2** | Selective Fields update | Fill in only some fields of the profile | The selected fields should be updated, others should remain same |  |  |  |
| 3 | Invalid input format check | Try to input invalid values in a fields | User notified of the incorrect format of input (Submit disabled) |  |  |  |

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| Unit Test | | | | | | |
| Module under test: Search Lift | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Full Specified Search | Completely filled preference form | A ranked results page with score based on field match |  |  |  |
| **2** | Partially specified search | Fill in only the fields of choice | Results matching the fields specified and other fields taken as don’t care |  |  |  |
| 3 | Search with all fields empty | Try to submit the blank preference form | Submit should be disabled until at least the required fields are filled in |  |  |  |

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| Unit Test | | | | | | |
| Module under test: Modify Lift | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Modification by Lift Member | Lift Member (not the car owner) tries to modify lift | System should not allow the lift to be modified (disabled) |  |  |  |
| **2** | Modification by Lift Provider | Lift Provider tries to modify his lift | The lift details should become editable for modification |  |  |  |
| 3 | Modification Aftermath | The lift was modified by the Lift Provider | If the Lift has members associated with it, notify them of the change |  |  |  |

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| Unit Test | | | | | | |
| Module under test: Apply to Lift | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Application by a potential candidate | A user with profile matching to the preference of the lift provider applies to the lift | System should allow him to apply, system should update database accordingly |  |  |  |
| **2** | Application by not a potential candidate | User with profile not matching the preferences of the lift provider applies to the lift | System should notify the user about its ineligibility |  |  |  |
| 3 | Application to a Lift twice | A user applies to a lift that he/she has already applied for | System should notify about the fact that this lift has already been applied for |  |  |  |
| 4 | Selection of applications by the Lift Provider | Lift Provider should be able to select the applications that he wants to accept as Lift Members | System should allow the Lift Provider to select applications as long as the selections are not more than the capacity in vehicle |  |  |  |

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| Type of test case: Unit Test | | | | | | | | | | | | |
| Cancel a lift | | | | | | | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | | | | | | | |
| **Test Case ID** | | **Test Description** | **Input Values** | | **Expected Result** | | | **Status(Pass/Fail)** | | **Actual Result** | | **Comments** |
| 1 | | Cancellation by Lift Member | Lift Member cancels a lift in his Lifts | | The Lift member should be removed from that specific lift and Lift Provider be notified about it | | |  | |  | |  |
| 2 | | Cancellation by a Lift Provider | Lift provider cancels a lift that he/she owned | | Lift should be removed from the available lifts database and all the Members associated with it should be notified | | |  | |  | |  |
| 3 | | Check if user still exists in trip list after cancelling trip |  | | User should be removed from the specific trip after their cancellation | | |  | |  | |  |
| 4 | | Check if a Lift still exists in Users Lift |  | | The Lifts that have been cancelled should be removed from the Lifts of the members | | |  | |  | |  |
| Unit Test | | | | | | | | | | | | | |
| Confirm a trip | | | | | | | | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | | | | | | | | |
| **Test Case ID** | **Test Description** | | | **Input Values** | | **Expected Result** | **Status(Pass/Fail)** | | **Actual Result** | | **Comments** | | |
| 1 | Verify if confirmation page opened correctly | | |  | | Confirmation page is displayed when the option is selected. |  | |  | |  | | |
| 2 | Check updated state when confirmation is made | | |  | | If user has confirmed a trip, they should be notified that the confirmation has been recorded |  | |  | |  | | |
| 3 | Check date of trip and verify if confirmation made yet or not | | |  | | If trip has not been confirmed yet, the state would not have been updated thus a notification would be sent to the user. If user has made confirmation already, this test just verifies the change before the trip actually takes place. |  | |  | |  | | |
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| Type of test case: Unit Test | | | | | | |
| Show All Lifts | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Search through all segments of managing lifts and verify before returning all valid trips |  | Only display all confirmed and planned trips of a user. The Test should weed out all cancelled and deleted trips of the user. |  |  |  |
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| Type of test case: Unit Test | | | | | | | | | | | | |
| Ratings | | | | | | | | | | | | |
| Developed /Executed By: Hasan Abbas  Execution Date: 13/04/13  Application Version: | | | | | | | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | | **Expected Result** | | **Status(Pass/Fail)** | | **Actual Result** | | **Comments** | | |
| 1 | Check to see if any other page opens if one of three options chosen in Ratings section |  | | “Rate Partners”, “Hall of Fame” & “Check Own Rating” should lead to their own pages and not to any other pages  (avoid code error) | |  | |  | |  | | |
| 2 | If “Rate Partner” chosen, check if all trip partners are loaded.  Search all completed trips, user was affiliated with. |  | | There should be a list of trips the user has undertaken with each trip partner mentioned under the respected trip who can then be rated. | |  | |  | |  | | |
| 3 | Compare each member in list “Hall of Fame” with all users and their latest statistics |  | | Update and then show the Hall Of Fame to show latest ratings | |  | |  | |  | | |
| 4 | Check user info before returning user record |  | | To “Check Own Rating”, latest information should be returned each time. | |  | |  | |  | | |
| Type of test case: Unit Test | | | | | | | | | | | |
| Logout | | | | | | | | | | | |
| Developed /Executed By: Hasan Abbas  Execution Date: 12/04/13  Application Version: | | | | | | | | | | | |
| **Test Case ID** | **Test Description** | | **Input Values** | | **Expected Result** | | **Status(Pass/Fail)** | | **Actual Result** | | **Comments** |
| 1 | Session should be destroyed and page redirected to main login page | |  | | Confirmation of logout to the user and session updated that user has logged off | |  | |  | |  |
| 2 | After logging out, if user tries to access main page, it is not allowed. | |  | | Even if user uses the web-address to redirect to his home page, the log in state of user would be annihilated in the database thus denying entry and redirecting to login page. | |  | |  | |  |
| 3 | Refresh page after logout, check state of the user | |  | | After logging out, if page refreshed by user, redirected to login page. | |  | |  | |  |
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