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| CarPool | | | | | | |
| Type of test case: Unit Test | | | | | | |
| Registration (arrival of a new user) | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | To check whether a new user is added in db.  **Precondition**:  The user submits a registration form with all the values | Name: Aisha  Roll no: 14100142  Password: \*\*\*\*\*  Email:  14100142 @lums.edu.pk  Gender: female  Preference:  female | A new row is added to the database with the fields matching those provided in input |  |  |  |
| 2 | Check whether an already existing user creates an account  **Precondition:** a user with same roll number exists in the database.  The user submits a registration form with all input values | Name: Aisha  Roll no: 14100142  Password: \*\*\*\*\*  Email:  14100142 @lums.edu.pk  Gender: female  Preference:  female | An Error message is displayed stating that the user already exists, please log in |  |  |  |
| 3 | Any mandatory field is left blank  **Precondition**:  The user submits registration form. | Name: \_\_  Roll no: 14100142  Password: \_\_  Email: \_\_  Gender: \_\_  Preference: \_\_ | Error message saying “missing field” is displayed |  |  |  |
| CarPool | | | | | | |
| Type of test case: Unit Test | | | | | | |
| Login | | | | | | |
| Developed /Executed By:  Execution Date:  Application Version: | | | | | | |
| **Test Case ID** | **Test Description** | **Input Values** | **Expected Result** | **Status(Pass/Fail)** | **Actual Result** | **Comments** |
| 1 | Check with valid user name password | Username and password | Redirect to home |  |  |  |
| 2 | Check with invalid password | **Valid username invalid password** | **Error message displayed** |  |  |  |

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| CarPool | | | | | | |
| Type of test case: Unit Test | | | | | | |
| Offering 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 | Offer a Lift and check whether it is updated in the database | All fields required by lift constructor. | A new row is added to the table with same values as the ones entered by the user. |  |  |  |
| 2 | Lift is clashing with user’s other lifts or invalid time specified | **Time and user id** | **Boolean false** |  |  |  |
| 3 | High fuel cost is entered | Fuel cost | Error message saying “cost too high” |  |  |  |
| 4 | Another user has already requested for such a lift | Lift time | Confirmation mail sent |  |  |  |

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| CarPool | | | | | | |
| Type of test case: Unit Test | | | | | | |
| Taking 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 | Ask for a Lift and a match is already offered | Time, destination | Boolean true |  |  |  |
| 2 | Ask for a lift which is not present | **Time and destination** | **Boolean false** |  |  |  |

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| CarPool | | | | | | |
| Type of test case: Unit Test | | | | | | |
| Cancelling/Reconfirm 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 | Cancel/Reconfirm a lift within valid time window | Time , user id, lift id | Boolean true |  |  |  |
| 2 | Reconfirm a lift after the time has passed | **Time ,lift id, and user id** | **Boolean false** |  |  |  |