Computerized Rideshare Program

**Testing Report**

Group B

**Purpose**

This document provides an overview of the testing that was done for the Computerized Rideshare Program (CRP). It provides information on both unit and systems testing and details what was successful and what parts of the system failed.

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**A. Resources**

**1. People**

The CRP was created and tested by:

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| --- |
| Subramanian Arumugam |
| Mohanakrishnakumar Karunakaran |
| Rajeev Reddy Vishaka |
| Saulius Milevicius |
| Steven Rago |

**2. Environment**

Testing was performed under the Windows 7 32 bit and 64 bit operating systems.

**3. Tools**

Testing was performed using Eclipse Juno with test cases created using JUnit4.

**B. Test Results**

**1. Unit Testing**

**1.1 MyBatis Connection Factory**

|  |  |
| --- | --- |
| Test | Get SQL Session Factory |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | A connection to the database is successfully created, from information available in SqlMapConfig.xml, and returned. |

**1.2 CRS DAO**

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

**1.3 Login Service**

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

**1.4 Email Service**

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

**1.5 Schedule Service**

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

|  |  |
| --- | --- |
| Test |  |
| Pass/Fail |  |
| Severity |  |
| Summary/Comments |  |

**2. System Testing**

|  |  |
| --- | --- |
| Test | Login success |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Upon providing a correct email and password combination the user is taken to their carpool display page. |

|  |  |
| --- | --- |
| Test | Login failure |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Upon providing an incorrect email and password combination the login is unsuccessful. |

|  |  |
| --- | --- |
| Test | Logging out |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Upon pressing Logout the user is successfully logged out of the CRP. |

|  |  |
| --- | --- |
| Test | Registration success |
| Pass/Fail | PASS/FAIL |
| Severity | 1/5 |
| Summary/Comments | Upon providing a correct set of details the user object is correctly created in the database and the user is taken to their carpool display page, however, there’s a button missing until the user logs out and logs back in. |

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| --- | --- |
| Test | Registration failure |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Upon providing bad, or no, information the system correctly displays error messages for the incorrect fields. |

|  |  |
| --- | --- |
| Test | Edit account details button |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Successfully brings up the edit account details page and pre-fills text boxes with your current information. |

|  |  |
| --- | --- |
| Test | Editing account details success |
| Pass/Fail | FAIL |
| Severity | 5/5 |
| Summary/Comments | After submitting correct and updated information the database entry for the employee is messed up and ruins the persons account. |

|  |  |
| --- | --- |
| Test | Editing account details failure |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | If user provides badly formatted information or does not provide their current password they are shown an error. |

|  |  |
| --- | --- |
| Test | Canceling pickup button |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Pressing the button successfully brings up a confirmation message. |

|  |  |
| --- | --- |
| Test | Canceling pickup |
| Pass/Fail | PASS/FAIL |
| Severity | 1/5 |
| Summary/Comments | User is updated in database, however, he is not removed from the carpool group display list. |

|  |  |
| --- | --- |
| Test | Canceling driver button |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Pressing the button successfully brings up a confirmation message. |

|  |  |
| --- | --- |
| Test | Canceling driving |
| Pass/Fail | FAIL |
| Severity | 4/5 |
| Summary/Comments | The SQL statement that is being attempted is not mapped and produces an error. |

|  |  |
| --- | --- |
| Test | Issuing Emergency |
| Pass/Fail | FAIL |
| Severity | 4/5 |
| Summary/Comments | A misconfigured SQL statement prevents an emergency being fulfilled correctly. |

|  |  |
| --- | --- |
| Test | Checking in |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | The carpool is successfully checked in and the driver/passenger screen layouts are correctly updated. |

|  |  |
| --- | --- |
| Test | Checking out |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | The carpool is successfully checked out and driver/passenger screen layouts are correctly updated. |
| Test | Opting out of carpool |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | Confirmation is displayed and user is successfully removed from their current carpool upon selecting the option to opt out. |

|  |  |
| --- | --- |
| Test | Joining a new carpool |
| Pass/Fail | PASS/FAIL |
| Severity | 1/5 |
| Summary/Comments | A server error occurs after selecting the option to join a new carpool, however, when logging back in as the same user the carpool has changed to the new one. |

|  |  |
| --- | --- |
| Test | Opting out of CRP |
| Pass/Fail | PASS |
| Severity | 0/5 |
| Summary/Comments | User is successfully deleted from the system after selecting the option to opt out of the CRP. |