**Team 3 Test Report - A06**

# **Section 1 – Test Evidence:**

### **Section 1.1 Test Case Table:**



**Section 1.2 Test Case Summary:**

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case No. | Test Case Name | Sub Test Name | Status |
| TC01 | SeleniumTC01 | UserRegistration | Passed |
|  |  | UserLogin | Passed |
|  |  | UserCreateMar | Passed |
|  |  | UserUpdateProfile | Passed |
| TC02 | SeleniumTC02 | testRegistration | Passed |
|  |  | testLogin | Passed |
|  |  | testAssignMar | Passed |
|  |  | testSearchUnassignedMar | Passed |
|  |  | testSearchAssignedMarByDate | Passed |
|  |  | reviewUnassignedMar | Passed |
|  |  | addFacility | Passed |
|  |  | viewSpecificFacility | Passed |
|  |  | viewFacility | Passed |
| TC03 | SeleniumTC03 | adminRegistration | Passed |
|  |  | admin\_Login | Passed |
|  |  | adminSearchProfile | Passed |
|  |  | adminChangeProfile | Passed |
|  |  | adminEditUserProfile | Passed |
| TC04 | SeleniumTC04 | aRepairerRegistration | Passed |
|  |  | bRepairerLogin | Passed |
|  |  | cRepairerListAssignedRepairs | Passed |
|  |  | dRepairerViewSpecificRepair | Passed |
|  |  | listMyReservations | Passed |
|  |  | requestRepairReservation | Passed |
|  |  | repairerCancelResRepairs | Passed |
|  |  | repairerModifyResRepairs | Passed |

### **Section 1.3 Test Coverage:**



**A06 Metrics MUST include ALL Java source class files - Controllers, DAOs, Models, and SQL Connection**

**PIT results must include ALL Model source code files.**

### Section 1.3.1:

1. Java Class Name: FacilityController
2. Lines of code: 119
3. JaCoCo coverage: 100%

### Section 1.3.2:

1. Java Class Name: LoginController
2. Lines of code: 70
3. JaCoCo coverage: 100%

### Section 1.3.3:

1. Java Class Name: logoutController
2. Lines of code: 25
3. JaCoCo coverage: 100%

### Section 1.3.4:

1. Java Class Name: MarController
2. Lines of code: 140
3. JaCoCo coverage: 100%

### Section 1.3.5:

1. Java Class Name: RegistrationController
2. Lines of code: 209
3. JaCoCo coverage: 96%
4. Note: Since we are covering only the happy path of registration and are testing almost all the associated functionalities like add and update but not testing deletion of a reservation therefore, we are not getting full coverage.

### Section 1.3.6:

1. Java Class Name: ReservationController
2. Lines of code: 156
3. JaCoCo coverage: 84%
4. Note: We are getting 84% coverage as we are not requesting or modifying reservation for new Mar’s. Hence, we lost a good amount of coverage here.

### Section 1.3.7:

1. Java Class Name: FacilityDAO
2. Lines of code: 136
3. JaCoCo coverage: 100%

### Section 1.3.8:

1. Java Class Name: LoginDAO
2. Lines of code: 77
3. JaCoCo coverage: 100%

### Section 1.3.9:

1. Java Class Name: MarDAO
2. Lines of code: 141
3. JaCoCo coverage: 100%

### Section 1.3.10:

1. Java Class Name: RegistrationDAO
2. Lines of code: 187
3. JaCoCo coverage: 100%

### Section 1.3.11:

1. Java Class Name: ReservationDAO
2. Lines of code: 161
3. JaCoCo coverage: 100%

### **Section 1.4 Selenium Test Organization**

1. Functions folder – BusinessFunctions file is present in this folder and all the test cases used this file and this file has functions for each functionality e.g. register, login, logout etc.
2. Configurations Folder – This folder contains two files Configuration.properties and login.properties, these files are used in all the tests.

Configuration.properties files contains the path of the application as well as the variables that are used at multiple places like delay etc.

Login.properties contains the username and password used through the tests.

1. SharedUIMap – SharedUIMap file is present in this folder and all the test cases used this file and this file contains the css, html ids, name, selectors of the elements of the jsp pages tested.
2. tests package – This folder contains selenium, test, Excel, test.Data packages of which selenium, Excel and test.Data are being used by tests.
   1. Selenium - This contains all the selenium test cases used in A06.
   2. Test – This contains all the Junit test to be used to test backend model files.
   3. Excel – This contains all the CSV we are using in our selenium test cases of A06.
   4. Test.Data – This contains the testDAO which is being used to make our selenium test case repetitive.

### **Section 1.5 Rule check mapping**

All rules have been checked in the model JUnit test cases. No JaCoCo coverage or PIT anomalies exist in these tests.



**Rule check mapping is what you provided after the A04 presentation via email.**

### **Section 1.6 - YouTube video reference –**

A06 : https://youtu.be/t0Jg4-jT6Lg