**RentalManager Black Box Test Plan**

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**Introduction**

The purpose of this test plan is to check some of the key functionality of the RentalManager by going through several of the Use Cases. This includes manually adding a Client, RentalUnit, and Lease to the system. In order to run the tests, the user first starts the program by:

1. Opening Eclipse
2. Expanding Project2 in the Project Explorer.
3. Right clicking the RentalManagerGUI.java file.
4. Selecting “Run As > Java Application”.

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| Test1: Invalid File  (Alex Raum, Walker Clem) | **Preconditions:** None  Run RentalManagerGUI by right clicking on the RentalManagerGUI.java file and selecting: Run As > Java Application  Click **File**/Select **Load**  In the FileChooser dialog select: test-files  In the “Files of Type:” dialog box select “All Files”  Select “rental\_data.txt” and click **Open**  *Check results*  Close GUI | RentalManagerGUI loads  A dialog box opens displaying the message, “Error opening file.” | RentalManagerGUI loads  A dialog box opens displaying the message, “Error opening file.” |
| Test2: Quit the Program  (Alex Raum, Walker Clem) | **Preconditions:** Test 1 has passed  Run RentalManagerGUI by right clicking on the RentalManagerGUI.java file and selecting: Run As > Java Application  Click **File**  Click **Quit**  *Check results*  Close GUI | No file is opened and the program closes | No file is opened and the program closes |
| Test3: Add New Client  (Alex Raum, Walker Clem) | **Preconditions:** Test 1 has passed  Type *Jimmy Page* in the **Client Name** field and *Zoso44* in the **Client Id** field  Click **Add New Client**  *Check results*  Close GUI | Jimmy Page (Zoso44)  appears in the Clients list. | Jimmy Page (Zoso44)  appears in the Clients list. |
| Test4: Add New Rental Unit  (Alex Raum, Walker Clem) | **Preconditions:** Test 1 has passed  Select the **Conference Room** radio button  Type 3 in the **floor** field  Type 11 in the **room** field  Type 5 in the **capacity** field  Click **Add New Rental Unit**  *Check results*  Close GUI | Conference Room:  3 – 11 | 5  appears in the Rental Units list. | Conference Room:  3 – 11 | 5  appears in the Rental Units list. |
| Test5: Add New Lease  (Alex Raum, Walker Clem) | **Preconditions:** Tests 3-4 have passed  Select **Jimmy Page (Zoso44)** from the Clients display and **Conference Room: 3 – 11| 5** from the Rental Units display  Select 2020-10-31 using the date picker  Type 7 in the **duration** field  Type 3 in the **occupants** field  Click **Add New Lease**  Click **Jimmy Page (Zoso44)** in the Clients display  *Check results*  Close GUI | 000000 | 2020-10-31 to 2020-11-7 | 3 | Conference Room: 3 – 11  appears in the Leases for Selected Client display | 000000 | 2020-10-31 to 2020-11-7 | 3 | Conference Room: 3 – 11  appears in the Leases for Selected Client display |

**Document Revision History**

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| **Date** | **Author** | **Change Description** |
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