Project 2 Wolf High Rise Rentals Black Box Test Plan

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Introduction

The Wolf High Rise Rentals program keeps track of clients, rental units, and leases for the Wolf High Rise building. The black box test plan describes tests for loading rental data from a file, adding a new client, closing a rental unit, adding a new lease, and creating a new data file. The contents of the files described are specified in the Required Files section.

To run the tests:
1. Right click on RentalDataGUI class in the Package Explorer.
2. Select Run As > Java Application

All tests files are located in the test-files/ folder.

Note that while all tests end with the statement to Close GUI, you can run Tests 1-5 on the same GUI if there are no failures. If there are failures, you can use the preconditions to identify the dependent test cases.

Test ID	Description	Expected Results	Actual Results

Test 1: Load Rental Data from File (Kaitlyn Gosline)	Preconditions: None Run RentalDataGUI Click File/Load Select `test-files/sample_bbt.md` from file chooser *Check Results* Close GUI	RentalDataGUI loads Rental Unit Display shows 19 unit starting with Hotel Suite: 1-99 and ending with Conference Room 40-18 Client Displays shows 18 clients starting with Amanda Smith (a12#smL) and ending with Suranne Jones (###$$) No Rental Units or Clients are selected so no Leases are displayed	RentalDataGUI loads Rental Unit Display shows 19 unit starting with Hotel Suite: 1-99 and ending with Conference Room 40-18 Client Displays shows 18 clients starting with Amanda Smith (a12#smL) and ending with Suranne Jones (###$$) No Rental Units or Clients are selected so no Leases are displayed
Test 2: Add New Client (Kaitlyn Gosline)	Preconditions: Test 1 has passed Click Add New Client Enter "Kaitlyn Gosline" in Client Name Enter "kfgoslin" in Client Id Click Add New Client *Check Results* Close GUI	RentalDataGUI loads Client Displays now shows 19 clients starting with Amanda Smith (a12#smL) and ending with Kaitlyn Gosline (kfgoslin)	RentalDataGUI loads Client Displays now shows 19 clients starting with Amanda Smith (a12#smL) and ending with Kaitlyn Gosline (kfgoslin)

Test 3: Close Rental Unit (Kaitlyn Gosline)	Preconditions: Tests 1 passed Select Hotel Suite 1-99 Click Close Unit & Cancel Associated Leases *Check Results* Close GUI	RentalDataGUI loads Rental Unit Display now shows 18 unit starting with Conference Room 2-34 and ending with Conference Room 40-18	RentalDataGUI loads Rental Unit Display now shows 18 unit starting with Conference Room 2-34 and ending with Conference Room 40-18

| Test 4: Add a new lease (Kaitlyn Gosline) | Preconditions: Tests 1 passed

Select Conference Room 37-14

Select Zach Groseclose
Check Results(1)

Click Lease Start Date and choose 2020-11-01

Enter 1 for Duration

Enter 5 for Occupants

Check Results(1)

Close GUI | RentalDataGUI loads
(1)
Now the following leases in this order should be viewed in the client's area for Zach Groseclose
000011 \| 2020-10-01 to 2020-10-31 \| 2 \| Office: 2-56
000012 \| 2020-09-17 to 2020-09-23 \| 15 \| Conference Room: 37-14

And the following leases in this order should be viewed in the Rental Unit area for Conference Room 37-13
000012 \| 2020-09-17 to 2020-09-23 \| 15 \| Zach Groseclose (azazaz)

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(2)
Now the following leases in this order should be viewed in the client's area for Zach Groseclose
000011 \| 2020-10-01 to 2020-10-31 \| 2 \| Office: 2-56
000012 \| 2020-09-17 to 2020-09-23 \| 15 \| Conference Room: 37-14
000013 \| 2020-11-01 to 2020-11-01 \| 5 \| Conference Room: 37-14

And the following leases in this order | RentalDataGUI loads
(1)

Client area
000011 \| 2020-10-01 to 2020-10-31 \| 2 \| Office: 2-56
000012 \| 2020-09-17 to 2020-09-23 \| 15 \| Conference Room: 37-14

Rental Unit area
000012 \| 2020-09-17 to 2020-09-23 \| 15 \| Zach Groseclose (azazaz)

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(2)
Client area
000011 \| 2020-10-01 to 2020-10-31 \| 2 \| Office: 2-56
000012 \| 2020-09-17 to 2020-09-23 \| 15 \| Conference Room: 37-14
000013 \| 2020-11-01 to 2020-11-01 \| 5 \| Conference Room: 37-14

Rental Unit area
000012 \| 2020-09-17 to 2020-09-23 \| 15 \| Zach Groseclose (azazaz)
000013 \| 2020-11-01 to 2020-11-01 \| 5 \| Zach Groseclose (azazaz) |

Test 5: New Rental Data File File (Kaitlyn Gosline)	Preconditions: Test 1 passed Click File/New *Check Results* Click No (Don't save) *Check Results* Close GUI	RentalDataGUI loads Prompt pops up to prompt save Rental Units, Clients and both Lease displays should be empty	RentalDataGUI loads Prompt pops up to prompt save Rental Units, Clients and both Lease displays should be empty

Required Files

`sample_bbt.md` - file imported in test 1

```
Hotel Suite:        1-99 |    1
Conference Room:    2-34 |   25
Office:             2-56 |   27
Office:             5-10 |   75
Office:             6-24 |   65
Conference Room:    8-17 |   13
Office:            12-23 |  100
Office:            14-10 |   99
Office:            14-24 |   50
Conference Room:   25-44 |   12
Office:            26-10 |   80
Hotel Suite:       35-18 |    2
Hotel Suite:       36-10 |    1
Hotel Suite:       36-12 |    2
Hotel Suite:       37-10 |    2   Unavailable
Conference Room:   37-14 |   22
Hotel Suite:       38-14 |    1
Conference Room:   38-67 |   20
```

```
Conference Room:  40-18 |  20

#Amanda Smith (a12#smL)
   000004 | 2020-05-30 to 2020-06-03 |   4 | Conference Room: 38-67
#Sandy Shelton Biggs (hb2$32)
#James Tetterton (jc1012)
   000009 | 2020-10-01 to 2020-12-31 |  10 | Office:          2-56
#Melody Griesen (gri$$0#)
#Ammar Abbas (1213aaaabb)
#Jason Hurst (soni@son)
#Matthew Zahn (amat456)
#Shreeya S Dhakal (ssd#SSssd)
#Zach Groseclose (azazaz)
   000011 | 2020-10-01 to 2020-10-31 |   2 | Office:          2-56
   000012 | 2020-09-17 to 2020-09-23 |  15 | Conference Room:  37-14
#Jo Perry (DEout#)
#Sarah Heckman ($456$ssh)
#Maddy Mae (cats1)
   000000 | 2020-03-15 to 2020-04-19 |   1 | Hotel Suite:     36-10
   000001 | 2020-04-01 to 2020-05-31 |  37 | Office:          6-24
   000008 | 2020-10-01 to 2020-11-30 |   5 | Office:          2-56
#Marge Simpson (comik##)
#Walter White (reallyBad)
   000002 | 2020-03-01 to 2020-10-31 |  23 | Office:          6-24
   000003 | 2020-03-25 to 2020-03-30 |  10 | Conference Room:  38-67
   000005 | 2020-04-19 to 2020-05-10 |   2 | Hotel Suite:     35-18
   000006 | 2020-06-28 to 2020-07-05 |   2 | Hotel Suite:     35-18
   000007 | 2020-11-01 to 2021-06-30 |  10 | Office:          2-56
#Olivia Colman (123crown)
#Joe Pesci (iRish)
#Adam Driver (g1rlz)
#Suranne Jones (###$$)
```

Document Revision History

Date	Author	Change Description
3/27/2020	Kaitlyn Gosline	● Added 5 Black Box Test Cases
4/18/2020	Kaitlyn Gosline	Did tests 1-5, 4 failed
4/18/2020	Sanjana Cheerla	Went back, fixed code, re-ran test 4, passes now. ALL BBT tests pass.