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PHASE 1 Front End Requirements

CSCI 3060U

Due Date: 02/22/2022

TEST PLAN

The scripts are organized by folders according to the function and each test case function has an input folder. The scripts will take the input from the "input" folder and for each script it will output a file that is the output for the entire session according to the given inputs. The information that will be displayed by the program on the terminal will also be stored in the "output" folder which will be tested and compared with the files in the "output terminal" folder. If the files are different then that will show us that the test failed, but if the text files are the same then it would show that the test has worked and that the test has passed.

TEST CASES

Test name: Frontend start

Test Name	Description	Input	Output File
start1	Test if the Front End reads in the current user accounts file	Quit Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Exiting program... (Program ends) Welcome to OT-Bnb: No user accounts found Exiting program... (Program ends)
start2	Test if the front end reads in the available rental units file	(Run with available rental units file path that exists) Quit (Run with available rental units file path that does not exist) Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Exiting program... (Program ends) Welcome to OT-Bnb: X users exist No rental units found Exiting program... (Program ends)

Test name: LOGIN

Test Name	Description	Input	Output File
login1	Test if Login asks for a username	Login User2 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome: User2 Logout. Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
login2	Test that only valid usernames are accepted	Login User123456 7891234567 89 (Blank) User2% User2 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: INVALID USERNAME: Username cannot be longer than 15 characters Please re-enter username: INVALID USERNAME: Username cannot be blank Please re-enter username: INVALID USERNAME: Username can only contain alphabets, numbers, spaces, underscores and dashes Please re-enter username: Welcome: User2 Logout. Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
login3	Test for no transactions other than login and quit are accepted before a login	Create Logout Delete Post Search Rent Quit (Run program) Login UFull Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: INVALID REQUEST. Login first! INVALID REQUEST. Login first! INVALID REQUEST. Login first! INVALID REQUEST. Login first! Exiting program... (Program ends) Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Logout. Please Enter Login to begin or Quit to exit:

			Exiting program... (Program ends)
login4	Test that no subsequent logins are accepted after a login, until after a logout	Login User4 Login User5 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome: User4 Please Enter a function: Enter Username: User already logged in: Please Enter a function: Logout Successful. Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
login5	Test for an admin login with administrative privileges	Login Admin5 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin5: Please Enter a function: Logout Successful Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
login6	Test for after an admin login that all transactions are accepted	Login Admin6 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin6: Please Enter a function: Logout Successful. Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
login7	Test that login only accepts usernames that exist	Login U404 D404 Admin6 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Username U404 does not exist! Please re-enter username: Username D404 does not exist!

			Please re-enter username: Welcome Admin6: Please Enter a function: Logout Successful. Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
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Test name: LOGOUT

Test Name	Description	Input	Output File
logout1	Test to see if no transactions are being accepted except login.	Login User1 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome User1: Please Enter a function: Error, Invalid request. Logout successful. Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
logout2	Test if the logout function can only be executed if the user is logged in.	Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Error Invalid request. Login first Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
logout3	Test if no other transaction apart from login and quit can take place after logout successful.	Login Logout Create Delete Post Search Rent Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin3: Please Enter a function: Logout successful. Error Invalid request. Login first Please Enter a function: Error Invalid request. Login first Please Enter a function: Error Invalid request. Login first Please Enter a function:

			Error Invalid request. Login first Please Enter a function: Error Invalid request. Login first Exiting program... (Program ends)
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Test name: CREATE

Test Name	Description	Input	Output File
create1	Test that new Username is requested	Login Admin1 Create User1 Rent-standard 0 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin1: Please Enter a function: Please Enter a username: User1 Please Enter an account type: Account Type: Rent-Standard Please enter Rental ID: 9021 User Created: Please Enter a function: Logout Successful Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)
create2	Test that only valid usernames are allowed where valid means containing alphabets, digits, spaces, underscores and dashes	Login Admin2 Create User123456789 123456789 (Blank) User2% User_09876 Rent-standard Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome: Admin2 Please Enter a function: Please Enter a username: INVALID USERNAME: Username cannot be longer than 15 characters Re-enter username: INVALID USERNAME: Username cannot be blank Re-enter username: INVALID USERNAME: Username can only contain alphabets, numbers, spaces, underscores and dashes Re-enter username: User_09876 Please Enter an account type:

			Account Type: Rent-Standard User Created: Please Enter a function: Logout Successful Exiting program... (Program ends)
create3	Test that no duplicate usernames can be used.	Login Admin3 Create Admin3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin3: Please Enter a function: Please Enter a username: That username is already in use. Please Enter a function: Logout Successful Exiting program... (Program ends)
create4	Test that Create can be executed by Admin type user	Login Admin4 Create User_Admin4 Admin Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome User_Admin90. Please Enter a function: Please Enter a username: User_Admin4 Please Enter an account type: Account Type: Admin User Created! Please Enter a function: Logout Successful Exiting program... (Program ends)
create5	Test that Create can be executed by full-standard type user	Login Admin5 Create User_FS Full-Standard Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin5. Please Enter a function: Invalid request. Need to be an Admin to Create a user. Please enter a function:

			Logout Successful Exiting program... (Program ends)
create6	Test that Create can be executed by rent-standard type user	Login Admin Create User_RS Rent-Standard Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome User_RS. Please Enter a function: Invalid request. Need to be an Admin to Create a user. Please enter a function: Logout Successful Exiting program... (Program ends)
create7	Test that Create can be executed by post-standard type user	Login Admin7 Create User_PS Post-Standard 0 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome User_PS. Please Enter a function: Invalid request. Need to be an Admin to Create a user. Please enter a function: Logout Successful Exiting program... (Program ends)
create8	Test if information is recorded in Daily Transaction File	Login Admin Create User_000 Rent-Standard Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin8: Please Enter a function: Please Enter a username: User8 Please Enter an account type: Account Type: Rent-Standard Please enter Rental ID: 9880 # Nights Rented: 2 User Created: Please Enter a function: Logout Successful Exiting program... (Program ends)

Test name: DELETE

Test Name	Description	Input	Output File
delete1	Test if Delete can be executed by Admin when outstanding rental by user exists	Login Admin10 Delete User4 Y Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin10: Please Enter a function: Please Enter a username: User4 has outstanding rental. Confirm delete (y/n): User4 has been deleted Please enter a function: Logout Successful Exiting program... (Program ends)
delete2	Test if Delete can be denied by non-Admin accounts	Login User5 Delete Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome User5: Please Enter a function: Invalid request. Need to be an Admin to Delete a user. Please enter a function: Logout Successful Exiting program... (Program ends)
delete3	Test if Delete can be executed by Admin when outstanding rental does not exist by the chosen user	Login Admin Delete User3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin9: Please Enter a function: Please Enter a username: Please enter a function: Logout Successful Exiting program... (Program ends)
delete4	Test if Delete is	Login	Welcome to OT-Bnb:

	rejected by Admin when user does not exist	Admin Delete User0 Logout Quit	X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin9: Please Enter a function: Please Enter a username: User0 has been deleted Please enter a function: Logout Successful Exiting program... (Program ends)
delete5	Test if current Admin is unable to delete themselves	Login Admin Delete Admin9 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome Admin9: Please Enter a function: Please Enter a username: Invalid request. Can not Delete current user Please enter a function: Logout Successful Exiting program... (Program ends)

Test name: POST

Test Name	Description	Input	Output File
post1	Test that post asks for the name of the city as a text	Login UFull Post Toronto 100 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: TORONTO. Please Enter rental price per night: Price: \$100 /night Please Enter # of bedrooms: Bedrooms: 3. Rental Unit #12341111 Created Successfully. Please Enter a function: Logout Successful. Exiting program... (Program ends)

post2	Test that post asks for a rental price	Login UFull Post Toronto 100 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: TORONTO. Please Enter rental price per night: Price: \$100 /night Please Enter # of bedrooms: Bedrooms: 3. Rental Unit #12342222 Created Successfully. Please Enter a function: Logout Successful. Exiting program... (Program ends)
post3	Test that post asks for the number of bedrooms	Login UFull Post Toronto 100 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: TORONTO. Please Enter rental price per night: Price: \$100 /night Please Enter # of bedrooms: Bedrooms: 3. Rental Unit Created Successfully. Rental Unit #12343333 Created Successfully Please Enter a function: Logout Successful. Exiting program... (Program ends)
post4	Test that post sets the rented flag unit to false.	Login UFull Post Toronto 100 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: TORONTO. Please Enter rental price per night: Price: \$100 /night

			Please Enter # of bedrooms: Bedrooms: 3. Rental Unit #12344444 Created Successfully Please Enter a function: Logout Successful. Exiting program... (Program ends)
post5	Test that post information is recorded in the Daily transaction file.	Login UFull Post Pickering 100 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: PICKERING. Please Enter rental price per night: Price: \$100 /night Please Enter # of bedrooms: Bedrooms: 3. Rental Unit #12345555 Created Successfully Please Enter a function: Logout Successful. Exiting program... (Program ends)
post6	Test post for the maximum rental price per night is \$999.99	Login UFull Post Pickering 1005 999.99 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: PICKERING. Please Enter rental price per night: ERROR! Price Exceeds Maximum. Try again: Price: \$999.99 /night Please Enter # of bedrooms: Bedrooms: 3. Rental Unit #12345555 Created Successfully Please Enter a function: Logout Successful. Exiting program... (Program ends)
post7	Test post for maximum length for city names of	Login UFull Post	Welcome to OT-Bnb: X users exist Y rental units available

	25 characters is accepted	Mississauga- Ontario-Canada Mississauga 205 5 Logout Quit	Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: ERROR: City name exceeds max characters. Try again: CITY NAME: Mississauga. Please Enter rental price per night: Price: \$205 /night. Please Enter # of bedrooms: Bedrooms: 5. Rental Unit #12347777 Created Successfully Please Enter a function: Logout Successful. Exiting program... (Program ends)
post8	Test post for no more than 9 bedrooms to be accepted	Login UFull Post Pickering 400 12 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: PICKERING. Please Enter rental price per night: Price: \$400 /night Please Enter # of bedrooms: Bedrooms: 12. ERROR! Rental Units can only have up to 9 bedrooms. Please enter a function: Logout Successful. Exiting program... (Program ends)
post9	Make sure all types of users apart from rent standard can post	Login URent Post Logout Login UPost Pickering 400 5 Logout Login UFull	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome URent: Please Enter a function: INVALID USERTYPE: Rent-standard user cannot post Please Enter a function: Logout Successful

		Pickering 400 5 Logout Login Admin Pickering 400 5 Logout Quit	Enter username: Welcome UPost Please Enter a function: Please enter the name of the City: CITY NAME: PICKERING. Please Enter rental price per night: Price: \$400 /night Please Enter # of bedrooms: Bedrooms: 5. Rental Unit #12349990 Created Successfully Please Enter a function: Logout Successful Enter username: Welcome UFull: Please Enter a function: Please enter the name of the City: CITY NAME: PICKERING. Please Enter rental price per night: Price: \$400 /night Please Enter # of bedrooms: Bedrooms: 5. Rental Unit #12349991 Created Successfully Please Enter a function: Logout Successful Enter username: Welcome Admin: Please Enter a function: Please enter the name of the City: CITY NAME: PICKERING. Please Enter rental price per night: Price: \$400 /night Please Enter # of bedrooms: Bedrooms: 5. Rental Unit #12349992 Created Successfully Please Enter a function: Logout Successful Exiting program... (Program ends)
post10	Test that further transactions on new unit are disabled until the next session	Login UPost Pickering 400 5 Search Pickering 400	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Enter username: Welcome UPost Please Enter a function:

		5 Logout Quit	<p>Please enter the name of the City: CITY NAME: PICKERING. Please Enter rental price per night: Price: \$400 /night Please Enter # of bedrooms: Bedrooms: 5. Rental Unit #12341010 Created Successfully.</p> <p>Please Enter a function: What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Here are all available rental units that match your search: —matched info that does not contain newly posted rental unit here—</p> <p>Please enter a function: Logout successful.</p> <p>Exiting program... (Program ends)</p>
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Test Name: SEARCH

Test Name	Description	Input	Output File
search1	Test if Search works with a valid city name, price, and number of bedroom	Login User6 Search Oshawa 200 3 Logout Quit	<p>Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome User6: Please Enter a function: What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Here are all available rental units that match your search: —matched info here— Please Enter a function: Logout successful Exiting program... (Program ends)</p>

search2	Test if Search prompt repeatedly asks for a valid city name if invalid city name is entered.	Login User6 Search InvalidCityName1 InvalidCityName2 Scarborough 200 1 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome User6: Please Enter a function: What city would you like to rent in: Invalid request. "InvalidCityName1" does not exist in our system. Please pick a different city. What city would you like to rent in: Invalid request. "InvalidCityName2" does not exist in our system. Please pick a different city. What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Here are all available rental units that match your search: —matched info here— Please Enter a function: Logout successful Exiting program... (Program ends)
search3	Test for valid input for price range. Repeatedly ask for a valid price until it is invalid.	Login User6 Search Peterborough Hundred \$100 100 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome User6: Please Enter a function: What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): Invalid request. Please enter a valid price limit. What is the maximum price you are willing to pay per night(\$): Invalid request. Please enter a valid price limit. What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Here are all available rental units that match your search: —matched info here— Please Enter a function: Logout successful Exiting program... (Program ends)

search4	Test for valid input for number of room. Repeatedly ask for a valid number until it is invalid.	Login User6 Search Toronto 300 Three 3 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome User6: Please Enter a function: What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Invalid request. Please enter a valid number. What is the minimum number of rooms you require: Here are all available rental units that match your search: —matched info here— Please Enter a function: Logout successful Exiting program... (Program ends)
search5	Test if Search indicates no matches when no available rental unit match their search	Login User6 Search Toronto 300 2 Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome User6: Please Enter a function: What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Here are all available rental units that match your search: No matches found. Try again with a different search. Please Enter a function: Logout successful Exiting program... (Program ends)
search6	Test if Admin can perform a valid Search	Login Admin11 Search Oshawa 200 3 Logout	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome Admin11: Please Enter a function:

		Quit	What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Here are all available rental units that match your search: —matched info here— Please Enter a function: Logout successful Exiting program... (Program ends)
search7	Test if * is used as a wild card value for city, price and number of rooms	Login Admin11 Search * * * Logout Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome Admin11: Please Enter a function: What city would you like to rent in: What is the maximum price you are willing to pay per night(\$): What is the minimum number of rooms you require: Here are all available rental units that match your search: —matched info here— Please Enter a function: Logout successful Exiting program... (Program ends)

Test Name: RENT

Test Name	Description	Input	Output File
rent1	Test if Rent denies access to post-standard users	Login UPost Rent Logout	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome UPost Please Enter a function: INVALID User type: Post-standard users cannot rent. Try again with a valid account.

			Please Enter a function: Logout Successful.
rent2	Test if valid user can rent an available unit for valid number of nights once logged in	Login User8 Rent 12345678 4 Y Logout	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Welcome User8 Please enter the rental id of the unit: Rent per night for unit #12345678 is \$400 How many nights will you rent this unit for? Total cost is \$800 Please confirm this transaction (Y/n): Transaction confirmed! Please Enter a function: Logout successful
rent3	Test if valid admin can rent an available unit once logged in	Login Admin12 Rent 12345679 4 Y Logout	Welcome to OT-Bnb: Please Enter Login to begin or Quit to exit: Welcome Admin12 Please enter the rental id of the unit: Rent per night for unit #12345679 is \$400 How many nights will you rent this unit for? Total cost is \$800 Please confirm this transaction (Y/n): Transaction confirmed! Please Enter a function: Logout successful
rent4	Test if rent is not possible for unavailable unit	Login Admin12 Rent 12345679 12345689	Welcome to OT-Bnb: Please Enter Login to begin or Quit to exit: Welcome Admin12 Please enter the rental id of the unit: Unit #12345679 is unavailable. Please try

		4 Y Logout	again with available rental id: Please enter the rental id of the unit: Rent per night for unit #12345689 is \$400 How many nights will you rent this unit for? Total cost is \$800 Please confirm this transaction (Y/n): Transaction confirmed! Please Enter a function: Logout successful
rent5	Test if rent is only possible when number of nights <= 14	Login Admin12 Rent 12345689 20 14 Y Logout	Welcome to OT-Bnb: Please Enter Login to begin or Quit to exit: Welcome Admin12 Please enter the rental id of the unit: Unit #12345679 is unavailable. Please try again with available rental id: Please enter the rental id of the unit: Rent per night for unit #12345689 is \$400 How many nights will you rent this unit for? Invalid request. Rental units can be booked for not more than 14 days at a time. Please try again with a valid number of nights. How many nights will you rent this unit for? Total cost is \$5600 Please confirm this transaction (Y/n): Transaction confirmed! Please Enter a function: Logout successful

Test Name: QUIT

Test Name	Description	Input	Output File
quit1	Test if Quit function can shut down before choosing any other function	Quit	Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)

quit2	Test if Quit function can shut down font end when user is logged out	Login User7 Logout Quit	<p>Welcome to OT-Bnb: X users exist Y rental units available</p> <p>Please Enter Login to begin or Quit to exit: Welcome User7 Please enter a function: Logout successful</p> <p>Welcome to OT-Bnb: X users exist Y rental units available</p> <p>Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)</p>
quit3	Test if Quit function can operate shut down font end when admin is logged out	Login Admin12 Logout Quit	<p>Welcome to OT-Bnb: X users exist Y rental units available Please Enter Login to begin or Quit to exit:</p> <p>Welcome Admin12 Please enter a function: Logout Logout successful</p> <p>Welcome to OT-Bnb: X users exist Y rental units available</p> <p>Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)</p>
quit4	Test if Quit function prompts to log out when user is logged into an account	Login User7 Quit Logout Quit	<p>Welcome to OT-Bnb: X users exist Y rental units available</p> <p>Please Enter Login to begin or Quit to exit: Welcome User7 Please enter a function: Invalid request. Cannot Quit program while logged into an account. Please log out and try again.</p> <p>Please enter a function: Logout successful</p>

			<p>Welcome to OT-Bnb: X users exist Y rental units available</p> <p>Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)</p>
quit5	Test if Quit function prompts to log out when admin is logged into an account	Login Admin12 Quit Logout Quit	<p>Welcome to OT-Bnb: X users exist Y rental units available</p> <p>Please Enter Login to begin or Quit to exit: Welcome Admin12 Please enter a function: Invalid request. Cannot Quit program while logged into an account. Please log out and try again.</p> <p>Please enter a function: Logout successful</p> <p>Welcome to OT-Bnb: X users exist Y rental units available</p> <p>Please Enter Login to begin or Quit to exit: Exiting program... (Program ends)</p>