

# CSCI 3060U Course Project

Winter 2022

## Phase #3 - Front End Requirements Testing

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### Failure Table

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In situations where multiple tests fail because of a single error, the failures have been aggregated and displayed in a single row. These grouped failures are listed first, followed by individual failures after. Within these subgroups, failures are listed in the order they were resolved.

Test name	What is being tested	How the output was wrong	What the error was	Changes made to fix error
64 tests	Expected output	The expected output did not match the actual output	The expected output had a single “...” character instead of three separate “.” characters	Linux command “sed -i” was used to replace all occurrences of “...” with “...” in expected output files
8 tests	Only users with the correct privilege can access certain functions	The actual output had a typo	The actual output string said “You don’t have <type> privilege” instead of “...privileges”	Typo was corrected in program
25 tests	Expected output	The expected output did not match the actual output	The expected output had styled ‘ characters instead of the generic ‘ character	Linux command “sed -” was used to replace all occurrences of “\’” with ‘ in expected output files
88 tests	Expected output	The actual output had a line break that was unintended	The actual output had “You have logged out.” and “Please login to enter transactions.” on separate lines	Corrected program to use System.out.print instead of System.out.println
20 tests	Expected output	The actual output was missing a “.”	When displaying the total cost of a rental, the actual output did not finish the sentence with a “.”	The missing “.” was added in the application code
7 tests	Expected output	The actual output did not match expected output	When canceling a rental, the application displayed “Rental canceled.” instead of “Rental canceled!”	Updated application to match expected output
25 tests	Expected output	The actual output did not match expected output	When displaying search results, table used ambiguous term “renter” instead of precise term “host”	Updated application to use precise term “host”
25 tests	Expected output	The actual output did not match expected output	When displaying search results, rental IDs were incorrectly shifted over a character in the actual table	Updated application to have rental IDs appear in the correct spot
29 tests	Expected output	The actual output did not match expected output	When prompting for city name in a search, application had “case-sensitive” instead of “case sensitive”	Updated application to match expected output

Test name	What is being tested	How the output was wrong	What the error was	Changes made to fix error
3 tests	Min bedroom and max price error messages during search, when input is not numeric	The actual output did not match expected output	When a misunderstood input was entered for min bedroom or max price during a search, the actual error message was missing a "."	Updated application to include the "."
50 tests	Expected output	The expected output did not match the actual output	The expected output files had an additional whitespace character after "Logout:"	Linux command "sed -i" was used to change "Logout: " with "Logout:" for expected output files
8 tests	Expected output	The expected output did not match the actual output	The expected output files were missing some response messages from the application	Updated the expected output files include the missing messages
6 tests	Expected output	The expected output did not match the actual output	The expected output files had the wrong response messages	Updated the expected output files with the correct response messages
17 tests	Expected output	The expected output did not match the actual output	The expected output files had an additional whitespace character after "The rent per night is <price>."	Updated the expected output files with "The rent per night is <price>." instead of "The rent per night is <price>."
12 tests	Expected output	The expected output did not match the actual output	The expected output files were missing newline characters at the end of the file	Updated the expected output files to include the missing newline characters
20 tests	Expected daily transaction file	The expected daily transaction files did not match the actual daily transaction files	The expected daily transaction files had too little (or too much) whitespace	Updated the expected daily transaction files to have the correct amount of whitespace
14 tests	Expected daily transaction file	The expected daily transaction files did not match the actual daily transaction files	The expected daily transaction files were missing newline characters at the end of the file	Updated the expected daily transaction files to include the missing newline characters
3 tests	Expected output	The expected output did not match the actual output	The expected output said "...that rental ID doesn't exist!" instead of "...that rental does not exist!"	Corrected expected output files

Test name	What is being tested	How the output was wrong	What the error was	Changes made to fix error
login/verify_user_exists and multi/deleted_users_cannot_login	Non-existent users cannot log in	The actual output did not match expected output	The application used a contraction “doesn’t” where the expected output was “does not”	Updated application to say “does not”
search/handle_long_search_input and search/handle_no_search_results	Program correctly handles case where there are no search results	The actual output did not match expected output	The application said “meet” instead of “match” in “No results match your criteria!”	Corrected program to say match instead of meet
rent/verify_num_nights_is_integer	Number of nights entered must be an integer	The program was not printing the quit message	The test input file did not have the quit command	Added quit command to test input file
multi/new_listings_not_rentable	A newly listed unit cannot be rented in the same session	The actual and expected outputs did not match	The actual output incorrectly used an abbreviation, and the expected output incorrectly said “rental ID” instead of “rental”	Removed the abbreviation in actual output, and removed ID from the test
multi/cannot_rent_from_deleted_users	A unit cannot be rented from a user who has been deleted	The actual output did not match the expected output	The actual output said “...that rental ID doesn’t exist!” instead of the expected “...that rental does not exist!”.	Updated application to use the correct language
post/valid_city_format	The city meets the city name requirements	The actual errors did not match the expected errors	The first “invalid” test input was TorontO with a capital O (valid) instead of Toront0 with a zero (invalid)	Corrected the test to have a 0 instead of a O
logout/transactions_written_on_logout	Transactions are written to the daily transaction file	The expected daily transaction file did not match the actual daily transaction file	The expected daily transaction file had the wrong rental ID	Updated expected daily transaction file with correct information
logout/transactions_written_on_logout	Transactions are written to the daily transaction file	The expected daily transaction file did not match the actual daily transaction file	The expected daily transaction file was missing information	Updated expected daily transaction file with correct information
logout/write_to_same_transaction_file	Transactions in successive user sessions are written to the same daily transaction file	The expected daily transaction file did not match the actual daily transaction file	The expected daily transaction file had the wrong rental ID	Updated expected daily transaction file with correct information

Test name	What is being tested	How the output was wrong	What the error was	Changes made to fix error
post/ post_maximum_bedrooms	The program correctly enforces the maximum number of bedrooms	The expected daily transaction file did not match the actual daily transaction file	The expected daily transaction file incorrectly expected User005 to be type AA instead of PS	Updated expected daily transaction file with correct user type
post/post_minimum_price	The program correctly enforces the minimum price	The actual daily transaction file did not match the expected daily transaction file	The application did not correctly pad prices under 6 characters with 0's when printing them to the daily transaction report.	Updated Transaction class in application to format price correctly
post/rental_prices_numeric	Rental price must be numeric	The expected daily transaction file did not match the actual daily transaction file	The expected daily transaction file incorrectly had User003 instead of User002	Updated expected daily transaction file to match expected input
post/valid_city_format	The program correctly enforces city name requirements	The expected daily transaction file did not match the actual daily transaction file	The expected daily transaction file incorrectly expected User003 to be type AA instead of FS	Updated expected daily transaction file with correct user type
multi/ cannot_rent_from_deleted_users	A unit cannot be rented from a user who has been deleted	The expected output did not match the actual output	The expected output said "...that rental is not available!" but the implementation more correctly says "...that rental does not exist!"	Updated expected output to match implementation
post/valid_city_format	The city meets the city name requirements	The expected output did not match the actual output	The expected output had an incorrect error message, and the application was missing a "." at the end of the error message.	Updated application to have the . and corrected message in expected output file
post/cities_case_sensitive	The program maintains input casing for city names	The expected daily transaction file did not match the actual daily transaction file	The expected daily transaction file incorrectly expected User005 to be type AA instead of PS	Updated expected daily transaction file with correct user type