CSCI 3060U Course Project
Winter 2022

Phase #1 - Front End Requirements
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Test Cases Document

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Code	Test Name	Intention: Test that program…
GN01	prompt_for_valid_input	Reprompts for valid input when a transaction is expected but receives other input
LI01	prompt_for_username_on_login	Correctly asks for a username
LI02	verify_user_exists	Verifies that entered username exists
LI03	cannot_login_twice	Does not allow login transactions when a user is already logged in
LI04	login_whitespace_ignored	Ignores any leading or trailing whitespace
LO01	must_be_logged_in_to_logout	Does not allow user to execute a logout command when not logged in
LO02	transactions_written_on_logout	Writes all transactions performed during the user session to the daily transaction file
LO03	write_to_same_transaction_file	Writes all transactions performed during the front-end session to the same daily transaction file
LO04	cannot_logout_during_create	Prevents user from logging out during create transactions
LO05	cannot_logout_during_delete	Prevents user from logging out during delete transactions
LO06	cannot_logout_during_post	Prevents user from logging out during post transactions
LO07	cannot_logout_during_search	Prevents user from logging out during search transactions
LO08	cannot_logout_during_rent	Prevents user from logging out during rent transactions
CR01	must_be_logged_in_to_create	Does not allow user to execute a create transaction when not logged in
CR02	must_be_admin_to_create	Does not allow user to execute a create transaction if not an admin
CR03	create_asks_for_new_username	Accepts a username as input when an accepted create transaction is requested
CR04	create_max_username_length	Does not allow usernames longer than 15 characters

CR05	create_min_username_length	Does not allow the username ''
CR06	create_verifies_username_valid	Does not allow usernames with symbols
CR07	usernames_case_sensitive	Differentiates usernames based on case
CR08	create_verifies_username_unique	Does not allow duplicate usernames during a create transaction
CR09	create_asks_for_user_type	Accepts a user type (AA, FS, RS, PS) after a valid username has been accepted
CR10	create_verifies_user_type	Only allows the user types: AA, FS, RS, and
CR11	create_ignores_whitespace	Ignores trailing and leading whitespace
DL01	must_be_logged_in_to_delete	Does not allow user to execute a delete transaction when not logged in
DL02	must_be_admin_to_delete	Does not allow user to execute a delete transaction if not an admin
DL03	delete_asks_for_username	Accepts a username as input when an accepted delete transaction is requested
DL04	cannot_delete_self	Does not accept a delete transaction of the logged-in user
DL05	cannot_delete_admin	Does not accept a delete transaction of the logged-in user
DL06	cannot_delete_unknown_users	Does not accept delete transactions for users that don't exist
DL07	delete_ignores_whitespace	Ignores leading and trailing whitespace in delete transactions
PT01	must_be_logged_in_to_post	Does not allow user to execute a post transaction when not logged in
PT02	rent_standard_cannot_post	Does not allow rent-standard users to execute post transactions
PT03	post_assigned_alphanumeric_id	Valid post transactions get the city, price, number of bedrooms, and is assigned a valid alphanumeric ID
PT04	cities_max_25_characters	Allows city names of at most 25 characters
PT05	cities_min_1_character	Does not allow blank string as a city name
PT06	validate_city_format	Only allows letters, spaces, and dashes in city

		names
PT07	cities_case_sensitive	Maintains case-sensitivity for city names
PT08	post_maximum_price	Allows a maximum price of 999.99
PT09	post_minimum_price	Allows a minimum price of 0.01
PT10	rental_prices_numeric	Only accepts numeric inputs for rental price
PT11	post_maximum_bedrooms	Allows a maximum number of bedrooms of 9
PT12	post_minimum_bedrooms	Allows a minimum number of bedrooms of 0
PT13	num_bedrooms_integer	Only accept an integer for number of bedrooms
PT14	post_ignores_whitespace	Ignores leading and trailing whitespace for all input fields in post transactions
SR01	must_be_logged_in_to_search	Does not allow user to execute a search transaction when not logged in
SR02	search_filters_by_city	Filters searches by city entered and are logged in daily transaction file
SR03	search_city_wildcard	Allows '*' to be used as a wildcard
SR04	search_filters_by_price	Filters searches by maximum rental price
SR05	valid_max_price_during_search	Validates input for max price during a search transaction
SR06	allow_max_price_wildcard	Allows wildcard to be used for the max price during a search transaction
SR07	search_filters_by_bedrooms	Filters searches by minimum number of bedrooms
SR08	valid_min_bedroom_during_search	Validates input for min bedrooms during a search transaction
SR09	allow_float_during_search	Correctly handles floats given for min bedrooms during a search transaction
SR10	allow_bedrooms_wildcard	Correctly handles wildcard given for min bedrooms during a search transaction
SR11	allow_negative_bedrooms	Accepts negative numbers given for min bedrooms during a search transaction
SR12	rented_units_not_searchable	Units that are rented do not appear in searches

SR13	handle_no_search_results	Displays an appropriate message when there are no search results
SR14	handle_long_search_input	Truncates input for city longer than 25 characters when performing a search
SR15	search_ignores_whitespace	Ignores leading and trailing whitespace
RT01	must_be_logged_in_to_rent	Does not allow user to execute a rent transaction when not logged in
RT02	post_standard_cannot_rent	Does not allow post-standard users to execute rent transactions
RT03	reject_rent_when_no_rentals	Rejects rent transactions when there are no available rentals
RT04	reject_rent_when_nothing_to_rent	Rejects rent transactions when all available rentals belong to the logged in user
RT05	accepts_valid_rentals	Writes valid rental requests that are confirmed to the daily transaction file
RT06	verify_rental_exists	Verifies that the given rental ID exists
RT07	verify_rental_available	Verifies that the given rental ID is for an available unit
RT08	cant_rent_own_posting	Verifies that the given rental ID does not correspond to the current user's posting
RT09	fourteen_days_max_rental	Rejects rentals greater than 14 days
RT10	verify_num_nights_is_numeric	Rejects non-numeric input for number of days to rent
RT11	verify_num_nights_is_integer	Rejects non-integer input for number of days to rent
RT12	verify_num_nights_is_positive	Rejects number of nights that are fewer than 1
RT13	can_cancel_rental	Does not write canceled rentals to the daily transaction file
RT14	rent_ignores_whitespace	Ignores leading and trailing whitespace during rent transactions
QT01	must_logout_before_quit	Does not allow logged in users to quit
QT02	writes_eos_code_to_file	Writes end of session transaction (00) to daily transaction file upon quit

QT03	cannot_quit_during_create	Prevents user from executing a quit transaction during create transactions
QT04	cannot_quit_during_delete	Prevents user from executing a quit transaction during delete transactions
QT05	cannot_quit_during_post	Prevents user from executing a quit transaction during post transactions
QT06	cannot_quit_during_search	Prevents user from executing a quit transaction during search transactions
QT07	cannot_quit_during_rent	Prevents user from executing a quit transaction during rent transactions
MT01	deleted_user_cannot_login	Does not allow users marked for deletion to log in
MT02	hide_deleted_users_rentals	Does not display units belonging to users marked for deletion
MT03	cannot_rent_from_deleted_users	Does not permit users to rent units from users marked for deletion
MT04	new_listings_not_searchable	Does not display new units in searches until the next user session
MT05	new_listings_not_rentable	Does not allow users to rent a unit that has just been posted (currently redundant with RT08)
MT06	newly_rented_units_not_searchable	Does not display units that have been rented this user session in search results
MT07	newly_rented_units_not_rentable	Does not allow newly rented units to be rented again