**Red = software bugs that were fixed**          **Black = testing bugs that required an adjustment of expected ouputs**

**Login**- Start a Front-End session

| Test | Cause of Failure & Description | Patch Description |
|---|---|---|
| **loginEarlyCmd** - Verifies that no command (other than "quit") is processed when a user is not logged in | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".**<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" corresponds to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **loginExistingLogin** - Verifies that a "login" command is not processed if a user is already logged in | **First transaction Expected Output Inaccuracy-** User type of logged in user was incorrectly listed as "RS" instead of "PS" in the test expected output.<br><br>**First transaction Expected Output Inaccuracy-** City name and number of bedrooms were missing for the rent transaction in the expected output.<br><br>**Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".**<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" corresponds to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Expected output file: user type of the logged in user is now "PS" instead of "RS"<br><br>Expected output file: The rent transaction now lists the city name and number of bedrooms corresponding to the listing being rented. |

| | | |
|---|---|---|
| **loginUsrnmFormat** - Verifies that a username is the correct format before checking to see if it corresponds to an existing user | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".**<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:** Expected output file now assumes the code "00" corresponds to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **loginUsernmMissing** - Verifies that a username that is not associated with an existing user cannot be used to successfully log in | **First transaction Expected Output Inaccuracy-** User type of logged in user was incorrectly listed as "RS" instead of "PS" in the test expected output.<br><br>**First transaction Expected Output Inaccuracy-** City name was missing for the rent transaction in the expected output.<br><br>**Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".**<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:** Expected output file now assumes the code "00" corresponds to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Expected output file: user type of the logged in user is now "PS" instead of "RS"<br><br>Expected output file: The rent transaction now lists the city name corresponding to the listing being rented. |

**Logout** - End a Front-End session

| Test | Cause of Failure & Description | Patch Description |
|---|---|---|
| **logoutLateCmd** - Verifies that commands other than "login" and "quit" are not processed after a "logout" command | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".**<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:** Expected output file now assumes the code "00" corresponds to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** |

| | | Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| --- | --- | --- |

**Create** - Add a user with the ability to rent or list units

| Test | Cause of Failure & Description | Patch Description |
| --- | --- | --- |
| **createUserTypeFormat** - Tests if user is able to create a user with an invalid user type | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **createUsrnmUnique** - Tests if user is able to enter a non unique username | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **createUsrnmFormat** - Tests if user is able to enter an invalid username that is less than 1 or greater than 15, or is numeric. | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **createPermission** - Tests if the user is able to create an account when not of user-type "admin" | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank". | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification. |

| | Incorrect transaction code used in Expected output - The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br><br>Expected output file: new lines were added in the transaction file as needed to properly run the test |
|---|---|---|

**Delete** - Delete user account

| Test | Cause of Failure & Description | Patch Description |
|---|---|---|
| **delUsrnmMissing -** Tests if user is able to delete a nonexistent username | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **delUsrnmFormat -** Tests if user is able to delete a username that is less than 1 or greater than 15 characters in length, or is numeric | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **delUserTypeAdmin-** Tests if user is able to delete an account of type admin | **Users were able to delete admins**<br><br>**Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** |

| | Instead the Expected output is written as "Transaction Code and the rest is blank**".** **Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" <br><br> DeleteUser.java: added validation so that users are unable to delete admins |
|---|---|---|
| **delPermission -** Tests if user is able to delete an account as a non admin | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".** <br><br> **Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:** Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification. <br><br> **Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" <br><br> Expected output file: new lines were added in the transaction file as needed to properly run the test |
| **delActiveListings-** Tests if user is able to delete a username associated with one or more active listings | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".** <br><br> **Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:** Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification. <br><br> **Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" <br><br><br> Expected output file: new lines were added in the transaction file as needed to properly run the test |

**Post** - Post a new unit

| Test | Cause of Failure & Description | Patch Description |
|---|---|---|
| **postCityFormat -** Tests if the format for the city input is 1-25 alphabetic characters, only "-" and "<space>" characters should be allowed. | **User was unable to enter a city name with a space**<br><br>**Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Listing.java: added validation for the city format to allow for spaces |
| **postPermission-** Tests if rent-standard user is able to create a post | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Expected output file: new lines were added in the transaction file as needed to properly run the test |
| **postPriceFormat-** Tests if user is able to enter a value less than $1 or greater than $1000, non- numeric for the price | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Expected output file: transaction code was edited to match for format of the test |
| **postRoomsFormat-** Tests if user is able to | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be | **Assumption corrections:** |

| enter a non numeric value less than 1 or greater than 9 for the amount of bedrooms. | "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Expected output file: transaction code was edited to match for format of the test |

**Search** - Search by city for available units

| Test | Cause of Failure & Description | Patch Description |
|------|-------------------------------|-------------------|
| **srchCityFormat** **-** Tests if the format for the city input is 1-25 alphabetic characters, only "-" and "*" characters should be allowed. | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **srchPriceFormat -** Tests if the price input is numeric between | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank". | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification. |

| 1 - 999.99 or * as a wild card. | **Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
|---|---|---|
| **srchRoomsFormat -** Tests if the number of rooms input is an int between 1-9 or accept "*" as a wild card. | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:** Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |

**Rent** - Rent a unit in the system

| Test | Cause of Failure & Description | Patch Description |
|---|---|---|
| **rentAlreadyRented-** Testing if User enters a listing ID for a listing that's already rented. | .**First transaction mismatch -** Expected output is "05", actual output is "00". the expected transaction file did not account that the user would be sent back to the main menu if the listing id was already rented, instead it assumed the user would be prompted till a listing id that was not rented was entered.<br><br>**Second transaction mismatch -** Expected output is "00", actual output is blank. Error listed above causes the expected output to have another line added to the daily log file which contains a "05 rent transaction format", which is not logged in the actual results.<br><br>**Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, | **Assumption corrections:** Expected output file now assumes rented listing ID inputs will cause the user to be sent back to the main menu to reflect system requirements clarification.<br><br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |

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| | 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank**".**<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | |
| **rentConfirmation** **-** Tests if User is able to enter anything other than "yes" or "no" in the rent confirmation prompt | **First transaction mismatch -** Expected output is "05", actual output is "00". the expected transaction file did not account that the user would be sent back to the main menu if the listing id was already rented, instead it assumed the user would be prompted till a listing id that was not rented was entered.<br><br>**Second transaction mismatch -** Expected output is "00", actual output is"05 rent transaction".  Error listed above causes the expected output to have another line added to the daily log file which contains a "05 rent transaction format", which is not logged in the actual results.<br><br>**Third  transaction mismatch -** Expected output is blank, actual output is "00".  Expected output did not account "00" as logout.<br><br>**Second transaction Expected output inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:** Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "05 rent" format is now: "Transaction,Username,Usertype,ListingID,Listing City, number of rooms, cost per night, number of nights"<br><br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **rentDeletedUser** **-** Tests if a listing ID owned by a deleted user is an invalid entry. | **Second transaction mismatch -** Expected output is "00", actual output is"05 rent transaction".  Error listed above causes the expected output to have another line added to the daily log file which contains a "05 rent | **Assumption corrections:** Expected output file now assumes listing ID inputs belonging to a deleted user will cause the user to be sent back to the main menu to reflect system requirements clarification. |

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| | transaction format", which is not logged in the actual results.<br><br>**Second transaction expected output invalid -** Expected output  is " 05 rent" transaction, actual output is "00 logout" transaction. Expected output is written under the assumption that if a Listing ID belonging to a deleted user is entered an error is displayed and the user is prompted to enter a listing until a valid ID is entered. Actual results send the user back to the main screen after the listing ID of deleted user is entered. Resulting in the logout transaction being logged instead of the rent transaction.<br><br>**Third transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **rentListingOwner** - Tests if an owner of a listing is able to rent their own listing. | <span style="color:red">**Users were able to rent their own listings.**</span><br><br>**First transaction mismatch -** Expected output was written under the assumption that the user would be prompted until a valid Listing ID not owned by the current user is entered and a "05 rent transaction" would be written. The actual output only has the  "00 logout transaction" because the program kicks out the user to the main menu after invalid Listing ID entry.<br><br>**Second transaction mismatch -** Having the rent transaction ignored in the actual output, the daily log contains blank as the second transaction, and the expected output contains "00" as the quit transaction. | **Assumption corrections:** Expected output file now assumes Listing ID's input of Listings owned by the current user will cause the user to be sent back to the main menu to reflect system requirements clarification.<br><br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |

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| | **Second transaction expected output inaccuracy -** For "00 logout transaction" format, the transaction must contain: The logout transaction code, then username name, the user type, then blank string fields, and 0 in blank numeric fields. The expected output only contains the "00" transaction code, everything else is blank.<br><br>**Incorrect code used in expected output -** The expected output file assigns the "00 logout transaction" code to the "quit" instead of "logout", any logouts in between transactions are ignored in expected output . | |
| **rentNewListing -** Tests if a user is able to rent a Listing created within the same session. | **Second transaction mismatch -** expected output is "00 logout transaction", actual output is "05 rent transaction". the expected transaction file did not account that the user would be sent back to the main menu if the listing id was already rented, instead it assumed the user would be prompted till a listing id that was not rented was entered.<br><br>**Third transaction Expected output inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes rented listing ID inputs of New Listings will cause the user to be sent back to the main menu to reflect system requirements clarification.<br><br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |
| **rentNightsFormat -** Tests if the number of nights to rent a listing input is a valid int between 1 - 14 | **First transaction expected output inaccuracy -** The format of the transaction code "05 rent" should be "Transaction,Username,Usertype,ListingID,Listing City, number of rooms, cost per night, number of nights". Instead the "Expected" output is written as "Transaction,Username,Usertype,ListingID,blank, number of rooms, cost per night, number of nights".<br><br>**Second transaction Expected output inaccuracy -** The format of the transaction code "00" should be | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |

| | "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Incorrect transaction code used in expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | |
|---|---|---|
| **rentPermission -** Tests if the user with invalid rent permissions is able to rent a listing. | **First Transaction mismatch -** Expected output is "05 rent Transaction", actual output is "00 logout Transaction". the expected transaction file did not account that the user would be sent back to the main menu if the listing id was already rented, instead it assumed the user would be prompted till a listing id that was not rented was entered.<br><br>**First transaction expected output inaccuracy -** The format of the transaction code "05 rent" should be "Transaction,Username,Usertype,ListingID,Listing City, number of rooms, cost per night, number of nights". instead the "Expected" output is written as "Transaction,Username,Usertype,ListingID,blank, number of rooms, cost per night, number of nights"<br><br>**Second transaction mismatch -** expected output is "00", actual output is "05 Rent Transaction". The expected transaction file did not use the "00" transaction codes as "logout", so the logout commands were ignored.<br><br>**Second transaction Expected output inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**Third transaction mismatch -** Having the rent transaction ignored in the actual output, the daily log contains "00 logout Transaction" as the first transaction, | **Assumption corrections:** Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:** Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Expected output file: transaction "05 rent" format is now: "Transaction,Username,Usertype,ListingID,Listing City, number of rooms, cost per night, number of nights" |

| | | |
|---|---|---|
| | and the expected output contains "05 rent transaction" as the first transaction.<br><br>**Incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | |
| **rentUnitIDFormat** - Tests if the UnitID is alphanumeric and exactly 8 characters. | **First transaction Expected output inaccuracy -** The format of the transaction code "05 rent" should be "Transaction,Username,Usertype,ListingID,Listing City, number of rooms, cost per night, number of nights". instead the "Expected" output is written as "Transaction,Username,Usertype,ListingID,blank, number of rooms, cost per night, number of nights"<br><br>**Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank".<br><br>**incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00"<br><br>Expected output file: transaction "05 rent" format is now: "Transaction,Username,Usertype,ListingID,Listing City, number of rooms, cost per night, number of nights" |
| **rentUnitIDMissing -** Tests if the Listing ID does not exist in the database. | **First transaction mismatch -** Expected output is "05", actual output is "00". the expected transaction file did not account that the user would be sent back to the main menu if the listing id was already rented, instead it assumed the user would be prompted till a listing id that was not rented was entered.<br><br>**Second transaction mismatch -** Expected output is "00", actual output is blank. the expected transaction file did not account that the user would be sent back to the main menu if the listing id was already rented, instead it assumed the user would be prompted till a listing id that was not rented was entered. | **Assumption corrections:**<br>Expected output file now assumes the code "00" attributes to the "logout" command to reflect system requirements clarification.<br><br>**Fixes:**<br>Expected output file: transaction "00 logout" format is now: "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00" |

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| | **Second transaction Expected output Inaccuracy -** The format of the transaction code "00" should be "Transaction Code, Username, User Type, blank, blank, 00, 000.00, 00". Instead the Expected output is written as "Transaction Code and the rest is blank". **incorrect transaction code used in Expected output -** The expected output file assigns the "00" transaction code to the "quit" command instead of the "logout" command. | |