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

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| Test Name | Test Description |
| loginUsrnmFormat | User should not be able to login with a username that is not between 1 and 15 characters inclusively, or that includes the characters “#, $, %, ^, &” |
| loginUsrnmMissing | User should not be able to login with in non-existing username |
| loginExistingLogin | User should not be able to use the “login” command while already logged in |
| loginEarlyCmd | User should not be able to use any command other than “login” and “quit” before logging in |

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

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| Test Name | Test Description |
| logoutLateCmd | User should not be able to use any command other than “login” and “quit” after logging out |

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

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| Test Name | Test Description |
| createPermission | User should not be able to create a user account when not of user-type “admin” |
| createUsrnmFormat | User should not be able to select a username that is not between 1 and 15 characters inclusively, or that includes the characters “#, $, %, ^, &” |
| createUsrnmUnique | User should not be able to select a username that is not unique |
| createUserTypeFormat | User should not be able to select an invalid user-type |

**Delete** - Delete user account

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| Test Name | Test Description |
| delPermission | User should not be able to delete a user account when not of user-type “admin” |
| delUsrnmFormat | User should not be able to select a username that is not between 1 and 15 characters inclusively, or that includes the characters “#, $, %, ^, &” |
| delUsrnmMissing | User should not be able to delete a username that does not exist |
| delCurrentUser | User should not be able to delete themselves |
| delActiveListings | User should not be able to delete a username associated with an active listing |
| delUserTypeAdmin | User should not be able to delete a username of user-type “admin” |

**Post** - Post a new unit

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| Test Name | Test Description |
| postPermission | User should not be able to post a listing when their user-type is “rent-standard” |
| postCityFormat | User should not be able to post a city that is non-alphabetic (exceptions: ‘-, <space>‘), or not between 1 and 25 characters inclusively |
| postPriceFormat | User should not be able to post a price-per-night that is non-numeric, or not between $1 and $1000 exclusively |
| postRoomsFormat | User should not be able to post a number-of-rooms that is non-integer, or not between 1 and 9 inclusively |

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

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| --- | --- |
| Test Name | Test Description |
| srchCityFormat | User should not be able to search for a city that is non-alphabetic (exceptions: ‘-‘ and ‘\*’ and <space>), or not between 1 and 25 characters inclusively |
| srchPriceFormat | User should not be able to search for a price-per-night that is non-numeric (exception: ‘\*’) or not between $1 and $1000 exclusively |
| srchRoomsFormat | User should not be able to search for a number-of-rooms that is non-integer (exception: ‘\*’), or not between 1 and 9 inclusively |

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

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| Test Name | Test Description |
| rentPermission | User should not be able to rent a listing when their user-type is “post-standard” |
| rentUnitIDFormat | User should not be able to rent a listing unit ID that is non-alphanumeric, or not exactly 8 characters |
| rentUnitIDMissing | User should not be able to rent a listing unit ID that does not exist |
| rentDeletedUser | User should not be able to rent a listing owned by a deleted user |
| rentNewListing | User should not be able to rent a listing that was created in the same session |
| rentAlreadyRented | User should not be able rent a listing that is already rented |
| rentListingOwner | User should not be able to rent a listing of which they are the owner |
| rentNightsFormat | User should not be able to rent a listing for a number-of-nights that is not between 1 and 14 inclusively |
| rentConfirmation | User should not be able to rent a listing without confirming by entering “yes” |