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

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| Test Name | Test Description |
| loginInvalidUsr | Login with incorrect user information (fail) |
| loginExistingUsr | Login to another account while one is already logged in (fail) |
| loginEarlyCmd | Attempt all non-login transactions before login (fail) |

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

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| Test Name | Test Description |
| logoutPostTr | Attempt all non-login transactions after logout (basically the same as loginEarlyCmd) |

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

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| Test Name | Test Description |
| createModeInvalid | Attempt to create a user as non-admin (fail) |
| createUsrnmBounds | Not between 1 - 15 Characters (fail) |
| createUsrnmUnique | Input invalid usernames, non-unique (fail) |
| createUsrType | Input invalid user type (fail) |

**Delete** - Delete user account

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| Test Name | Test Description |
| delModeInvalid | Attempt to delete a user as non-admin (fail) |
| delUsrnmBounds | Not between 1 - 15 Characters (fail) |
| delUsrnmInvalid | Input invalid (not in database) usernames to delete (fail) |
| delCurrentUsr | Attempt to delete the current logged in user (fail) |
| delActiveUsr | Attempt to delete a renter that is currently renting, rentedFlag = true (fail) |
| delUsrActiveListings | Attempt to delete a user who owns listings with rentedFlag = true (fail) |
| delUsrAdmin | Attempt to delete an admin account (fail) |

**Post** - Post a new unit

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| Test Name | Test Description |
| postModeInvalid | Attempt to post a listing as rent-standard (fail) |
| postCityFormat | Input not alphabetic OR contains ‘-’,  not between 1- 25 (fail) |
| postPriceFormat | Input non-numeric input, not between 1 - 999.99 (fail) |
| postRoomsFormat | Input non-integer input, not between 1 - 9 (fail) |

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

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| --- | --- |
| Test Name | Test Description |
| srchCityFormat | Input not alphabetic OR contains ‘-’, and not between 1 - 25 char (fail) |
| srchCityWldcrd | Input wildcard for city to have no restrictions (pass) |
| srchPriceFormat | Input non-numeric input, not between 1 - 999.99 (fail) |
| srchPriceWldcrd | Input wildcard for price to have no restrictions (pass) |
| srchRoomsFormat | Input non-integer input, between 1? and 9 (fail) |
| srchRoomsWldcrd | Input wildcard for room number to have no restrictions (pass) |

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

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| Test Name | Test Description |
| rentModeInvalid | Attempt to rent a listing as post-standard (fail) |
| rentUnitIDFormat | Must be alpha-numeric characters, exactly 8 characters (fail) |
| rentUnitIDExists | Unit ID must exist in the listings list (fail) |
| rentDeletedUser | Attempt to rent a listing owned by a deleted user (fail) |
| rentNewListing | Unit ID was created in the same session (fail) |
| rentAlreadyRented | Can only rent Unit ID’s with rentedFlag = false |
| rentCurrentUsr | Cannot rent a unit where the owner is the current user (fail) |
| rentNightsFormat | Must be an integer, between 1? and 14 (fail) |
| rentConfirmation | User must enter “yes” or “no” (fail) |