# Test Cases

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| --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: Username and password are correct | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: everything is normal | V | V | User is logged in and is viewing his/her own schedule |
| 2 | 1 | Basic Flow: username or password is incorrect | I | V | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: No Network Connection | N/A | I | User views error stating that network connection required for this app. |

## Invalid or no credentials use case

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User is currently on “My Schedule” tab | Condition:  Valid credentials are stored in the app | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: everything is normal | V | V | V | User views his/her own schedule in a tabular format |
| 2 | 2 | Alternate Flow: username or password is incorrect | N/A | I | V | User is notified and prompted enter valid to username and password |
| 3 | 3 | Alternate Flow: No Network Connection | N/A | N/A | I | User views error stating that network connection required for this app. |

## View Own Schedule

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| Test Case ID | Scenario | Description | Condition: User typed in complete, correct username | Condition:  Valid credentials are stored in the app | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: everything is normal | V | V | V | User views an information page on the user with the specified username. |
| 2 | 2 | Alternate Flow: User typed an incomplete or partial username | I | V | V | User views a list of usernames that match the current search entry. Selecting any one will take the user to the information page on the user with the selected username. If no matches, an empty list will be displayed. |
| 3 | 3 | Alternate Flow: username or password is incorrect | N/A | I | V | User is notified and prompted enter valid to username and password |
| 4 | 4 | Alternate Flow: No Network Connection | N/A | N/A | I | User views error stating that network connection required for this app. |

## Search By Username

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User typed in complete, correct classroom number | Condition:  Valid credentials are stored in the app | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: everything is normal | V | V | V | User views an information page on the classroom with the specified classroom number. |
| 2 | 2 | Alternate Flow: User typed an incomplete or partial classroom number | I | V | V | User views a list of classroom numbers that match the current search entry. Selecting any one will take the user to the information page on the classroom with the selected classroom number. If no matches, an empty list will be displayed. |
| 3 | 3 | Alternate Flow: username or password is incorrect | N/A | I | V | User is notified and prompted enter valid to username and password |
| 4 | 4 | Alternate Flow: No Network Connection | N/A | N/A | I | User views error stating that network connection required for this app. |

## Search By Classroom

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User typed in complete, correct username | Condition:  Valid credentials are stored in the app | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: everything is normal | V | V | V | User views an information page on the course with the specified course ID. |
| 2 | 2 | Alternate Flow: User typed an incomplete or partial course ID | I | V | V | User views a list of course IDs that match the current search entry. Selecting any one will take the user to the information page on the course with the selected course ID. If no matches, an empty list will be displayed. |
| 3 | 3 | Alternate Flow: username or password is incorrect | N/A | I | V | User is notified and prompted enter valid to username and password |
| 4 | 4 | Alternate Flow: No Network Connection | N/A | N/A | I | User views error stating that network connection required for this app. |

## Search By Course ID

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User selects valid quarter from individual’s information page | Condition:  Valid credentials are stored in the app | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: everything is normal | V | V | V | User views the schedule of the individual from the selected quarter |
| 2 | 2 | Alternate Flow: User selected an invalid quarter | I | V | V | User will see a warning that the individual was not enrolled during that quarter and will view the current schedule for the individual |
| 3 | 3 | Alternate Flow: username or password is incorrect | N/A | I | V | User is notified and prompted enter valid to username and password |
| 4 | 4 | Alternate Flow: No Network Connection | N/A | N/A | I | User views error stating that network connection required for this app. |

## Search Future or Past Schedule

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User is trying to overlay an allowed number of schedules | Condition: User wants to clear the overlay | Condition: User adds the same schedule multiple times | Condition:  Valid credentials are stored in the app | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: everything is normal | V | I | I | V | V | User views selected schedules in the overlay view. |
| 2 | 2 | Alternate Flow: User has tried to overlay too many schedules | I | I | I | V | V | User sees a warning that no more schedules can be placed in the overlay, the most recent attempt to add a schedule will be unsuccessful. |
| 3 | 3 | Alternate Flow: User wants to clear the overlay | V | V | I | V | V | All schedules are removed from the overlay. User is returned to the empty list of schedules in the overlay. |
| 4 | 4 | Alternate Flow: | V | I | V | V | V | No checks are made, the user will see the same schedule appear multiple times in the overlay. |
| 5 | 5 | Alternate Flow: username or password is incorrect | N/A | N/A | N/A | I | V | User is notified and prompted enter valid to username and password |
| 6 | 6 | Alternate Flow: No Network Connection | N/A | N/A | N/A | N/A | I | User views error stating that network connection required for this app. |

## Overlaying Schedules

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: Valid credentials are stored in app | Condition: Network connection available | Condition: Has search tab bar button selected | Condition:  Selects “username” option | Condition:  Types full username. | Expected Result |
| 1 | 1 | Basic Flow: user selects search bar | V | V | V | V | V | User will be able to search |
| 2 | 1 | Basic Flow: username or password is incorrect | I | V | N/A | N/A | N/A | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: types only partial username | N/A | I | V | V | I | The application should list available users who match the partial username. (if any). |

## Find Contact Information Use Case

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User is viewing contact information | Condition: Network connection available | Condition: User has native e-mail app set up. | Expected Result |
| 1 | 1 | Basic Flow: User navigates to individuals contact information. | V | V | V | User will be able to go to users e-mail through touch. |
| 2 | 1 | Basic Flow: username or password is incorrect | N/A | V | N/A | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: No e-mail account set up | N/A | V | I | The OS will prompt the user to create a e-mail account. |

## E-mail User Use Case

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User is viewing a schedule | Condition: Network connection available | Condition: User has native e-mail app set up. | Expected Result |
| 1 | 1 | Basic Flow: User navigates to any viewable schedule | V | V | V | User will be able to click the “e-mail schedule” button. |
| 2 | 1 | Basic Flow: username or password is incorrect | N/A | V | N/A | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: No e-mail account set up | N/A | V | I | The OS will prompt the user to create a e-mail account. |

## E-mail a Schedule Use Case

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| --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User has searched for a user | Condition: Network connection available | Expected Result |
| 1 | 1 | Basic Flow: User navigates to individuals contact information. | V | V | User will be able to hit “add to favorites” |
| 2 | 1 | Basic Flow: username or password is incorrect | N/A | V | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: User is already in the favorites | V | V | The application will not add the user to the favorites list. |
| 4 | 2 | Alternate Flow: No internet or network connection | N/A | I | The application will display a toast message and will not display any information that requires network. |

## Add to Favorites Use Case

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User is any page. | Condition: Network connection available | Condition: Username and Password Correct | Expected Result |
| 1 | 1 | Basic Flow: User presses “My favorites tab” | V | V | V | User will view his or her favorites. |
| 2 | 1 | Basic Flow: username or password is incorrect | N/A | V | I | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: No internet connection | N/A | I | N/A | The application will display a toast message and will not display any information that requires network. |

## View Favorites

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User is viewing his or her schedule. | Condition: Network connection available | Condition: Username and Password Correct | Expected Result |
| 1 | 1 | Basic Flow: User chooses to add his or her schedule to the calendar application. | V | V | V | The application will add the classes of the current term to the schedule. |
| 2 | 1 | Basic Flow: username or password is incorrect | N/A | V | I | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: No internet connection | N/A | I | N/A | The application will display a toast message and will not display any information that requires network. |
| 4 | 2 | Alternate Flow: User chooses a different term to sync. | V | V | V | The application will add the classes to the schedule. |

## Sync Schedule Use Case

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Scenario | Description | Condition: User is viewing course information page. | Condition: Network connection available | Condition: Username and Password Correct | Expected Result |
| 1 | 1 | Basic Flow: User navigates to course roster | V | V | V | User will view the course roster. |
| 2 | 1 | Basic Flow: username or password is incorrect | N/A | V | I | User is notified and prompted enter valid to username and password |
| 3 | 2 | Alternate Flow: No internet connection | N/A | I | N/A | The application will display a toast message and will not display any information that requires network. |

## View Class Roster Use Case