



Wine Interface Necessary for Oenophiles: W.I.N.O

Test Cases

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6/5/2013

Terms:

Vineyard - Used to denote a user's inventory of wines, that is wines which they currently have in their possession.

Wishlist - A list of wines that the user does not currently own, but would like to note for future purchase.

Tester - the user who is following the test case instructions. Does not initially have an account on the app. Wine information will be accumulated over the course of testing (See Test Case Data Population/Recommended Testing Order section).

Implemented - A feature that has been fully implemented into the app.

Planned for Future Release - A feature that has little to minimal functionality and is planned for full implementation at a later date. Execution of a test case with this label is not advised.

Desired Outcome - A description of what the specified test case shall accomplish.

Preconditions - Conditions that must be met before a test case is executed. If preconditions are not met, test case results will be invalid.

Workflow - The steps that should be followed to execute the test case.

Postconditions - System-side conditions that shall remain true after a test case has been executed. Often specifies that the app has completed some sort of internal task not visible to the tester.

Expected Results - Conditions that the tester shall experience/witness after executing a test case.

Implementation Status - The current state of implementation for a specified feature.

Note: In order for this app to be tested correctly, the device must be running off of wi-fi internet, not 3G or 4G.

Priorities:

H - High priority tests of base functionality.

M - Medium priority tests of secondary functions

L - Low priority tests. Tests of features that increase usability and user friendliness

O - Tests of Optional features that represent additions to the app.

Screens: Test cases begin at the appropriate screen of the app (For example, the “My Vineyard” screen). The following is a list of how to reach all pertinent screens from the main menu:

At main menu: Press the “Menu” button in the bottom left corner. In the slideout menu:

- Press “My Vineyard” to reach the “My Vineyard” Screen.
- Press “Wishlist” to reach the “Wishlist” Screen.
- Press “Pair It” to reach the “Pair It” Screen.
- Press “Search” to reach the “Search” Screen.
- Press “Social” to reach the “Social” Screen.
- Press “BAC” to reach the “BAC” Screen.
- Press “Surprise Me” to reach the “Surprise Me” Screen.
- Press “I’m New To Wine” to reach the “I’m New To Wine” Screen.
- Press “Logout” to logout of the application.

To reach the “Quick Add” Screen: At the main menu, press the “Quick Add” button in the bottom right corner.

Test Case Data Population/Recommended Testing Order

Test Case Data Population:

Testing is intended to be completed via a fresh account. By completing test cases in the recommended order, the tester’s account will be populated with data required for other tests. However, some test cases will need to be completed multiple times to enter the necessary data (See “Populating Test Data” section for instructions).

Recommended Testing Order:

The first test that should be completed is [Test REG 01](#), as this will create a new account for the tester. Next, to populate the vineyard, tests [INV01a](#) and [INV01b](#) should be completed (These will need to be completed multiple times, see instructions in the “Populating Test Data” section).

After that, tests [WL01a](#) and [WL01b](#) should be completed to populate the wish list (Again, these will need to be completed multiple times to ensure complete data entry, see “Populating Test Data” section).

After wine information entry has been completed, any of the tests listed in Section 2 of the “Test Case Dependencies” section below may be executed. Section 3

test cases(Except for Test cases [WL02](#), [WL03](#), [INV02](#), and [INV03](#)) may also be executed, as long as the listed requirements have been met.

Finally, Test Cases [WL02](#), [WL03](#), [INV02](#), and [INV03](#) should be tested. These cases should be executed last because they could possibly remove elements that may be required by other test cases.

Populating Test Data:

It is recommended that at least 4 items be entered into both the tester's vineyard and wish list after a new account has been created (accomplished by Test [REG01](#)). The following are lists of wines to add to the vineyard and wish list. The first two wines for each list are done as part of the test cases. The next two wines must be added by the steps of the specified test cases, but providing different inputs. The instructions are as follows:

Vineyard

1. Enter as specified in [Test INV01a](#)
2. Enter as specified in [Test INV01b](#)
3. Enter using the procedure specified in [INV01a](#), entering "Sartini" as the name, "Villa de Matador" as the vineyard, "Cabernet Sauvignon" as the varietal, "2009" as the vintage, "1 case" as the quantity, "3.0" as the rating, "Basement" as the storage location, and "Good everyday drinking wine" as the notes. Leave the "Post to Facebook" checkbox empty.
4. Enter using the procedure specified in [INV01a](#), entering "Buscemi" as the name, "Champala Vineyards" as the vineyard, "Pinot Grigio" as the varietal, "2011" as the vintage, "6 bottles" as the quantity, "3.5" as the rating, "Kitchen" as the storage location, and "Crisp and Snappy" as the notes. Leave the "Post to Facebook" checkbox empty.

Wish List

1. Enter as specified in [Test WL01a](#)
2. Enter as specified in [Test WL01b](#)
3. Enter using the procedure specified in [Test WL01a](#). The tester shall enter "Delectable" as the wine name, "Chateau Magdalena" as the vineyard, "Moscato" as the varietal, "2007" as the vintage year, "4.0" as the rating, "The Store" as the location, and "Looks very sweet" as the notes. The post to facebook box should be left unchecked.
4. Enter using the procedure specified in [TestWL01a](#). The tester shall enter "Dvorak's Delight" as the wine name, "Willamette Valley Winery" as the vineyard, "Chardonnay" as the varietal, "2011" as the vintage year, "2.5" as the rating, "Von's" as the

location, and “Has a bite to it” as the notes. The post to facebook box should be left unchecked.

Test Case Dependencies:

Certain test cases may rely on other test cases having been completed. This is noted in the list below (For example, INV01a, which is a section 2 test case, should be completed before INV02, a section 3 test case). All test cases in a lower-numbered section are recommended to be completed before any cases in a higher-numbered section. This will avoid any test case dependency issues. Dependency issues are noted in the list, as well as inside each test case itself.

SECTION 1 (Must be completed first)

[REG 01](#) - make account

SECTION 2 (Section 1 test cases must be completed first)

[REG 02](#) - Log in

[REG 03](#) - Log Out

[WL01a](#) - add to wish list

[WL01b](#) - quick add to wish list

[SQ01a](#) - search database for a wine

[TUT01](#) - view videos

[TUT02](#) - view resources

[BAC01](#) - check male BAC

[BAC02](#) - check female BAC

[INV01a](#) - add to vineyard

[INV01b](#) - quick add to vineyard

[WMP01](#) - get recipe for meal suggestion

[WMP02](#) - get wine suggestion

[WMP03](#) - search vineyard for recommended wine

[WMP04](#) - search database for wine suggestion

SECTION 3 (All Section 1 test cases required, Specified Section 2 cases required)

[WL02](#) - move wine from wish list to vineyard (requires WL01a or WL01b)

[WL03](#) - remove wine from wish list (requires WL01a or WL01b)

[SQ01b](#) - search vineyard for a wine (requires INV01a or INV01b)

[SQ01c](#) - search wish list for a wine (requires WL01a or WL01b)

[SQ01d](#) - unsuccessful search of wish list for wine (requires WL01a or WL01b)

[SQ01e](#) - successful search of vineyard for multiple wines (requires INV01a or INV01b)

[SQ01f](#) - successful search of wish list for multiple wines (requires WL01a or WL01b)

[REC01](#) - get random wine suggestion from vineyard (requires INV01a or INV01b)

[INV02](#) - delete wine from vineyard (requires INV01a or INV01b)

[INV03](#) - edit wine from vineyard (requires INV01a or INV01b)

[WMP03](#) - search vineyard for wine suggestion (requires INV01a or INV01b)

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Test WL 01a

Description:

This test case covers the addition of a successful addition of a wine to the wish list.

Priority: M

Desired Outcome:

The entered wine should be added into the tester's wish list

Required Test Cases:

Test REG 01

Requirements:

WL 01

ACC 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in
- The system must currently be displaying the Wish List page.

Workflow:

1. Tester presses the "+" button.
2. The system shall display the information entry page.
3. The tester shall enter "Fantasia" as the wine name, "Castello di Amarosa" as the vinyard, "Blend" as the varietal, "1999" as the vintage year, "5" as the rating, "The Store" as the location, and "Excellent Desert Wine" as the price. The post to facebook box should be left unchecked.
4. The system shall add the new wine to the wish list.

5. The system shall display the wish list.

Postconditions:

- The newly entered wine should be added to the wish list.

Expected Results:

- When the wish list page is viewed, the newly entered wine should be displayed.
-

Test WL 01b

Description:

This test case covers the tester's ability to add a wine to the application to the Wish List via the "Quick Add" feature.

Priority: H

Desired Outcome:

The application will store the user's wine info into the tester's Wish List.

Required Test Cases:

N/A

Requirements:

INV 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the Main screen.

Workflow:

1. The tester shall select the “Quick Add” button.
2. The system shall display a screen prompting on whether to add to the Vineyard or the Wish List.
3. The tester shall select the “Wishlist” button.
4. The system shall display a data entry page.
5. The tester shall enter “Mercado” as the wine’s name
6. The tester shall enter “Goodman Wineries” as the vineyard
7. The tester shall enter “Symphony” as the varietal
8. The tester shall enter “2010” as the vintage
9. The tester shall enter “4.5” as the rating
10. The tester shall enter “Costco” as the location
11. The tester shall enter “Looks unique” in the notes field
12. The tester shall leave the “post to facebook” box unchecked
13. The tester shall press the “save” button
14. The system shall add the new wine to the tester’s Wish List and display the “Wish List” screen

Alternate Workflow:

- I. Upon reaching step 4 in the workflow, the tester may also opt to take a picture of the wine that they want to add to their vineyard by tapping the “Tap to take photo” icon.

Postconditions:

- The app will add the wine into the tester’s Wish List of wines.
- The “Wish List” screen will display the wish list updated with the newly added wine.

Expected Results:

- The “Wish List” screen will display the wish list updated with the newly added wine.

Test WL 02

Description:

This test covers the addition of a wine in the wish list to the tester's Vineyard.

Priority: M

Desired Outcome:

The tester should be able to move a wine from their wish list to their vineyard.

Required Test Cases:

Test REG 01

Test WL 01

Requirements:

WL 01

ACC 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in
- The system must currently be displaying the Wish List page.
- The wish list must contain at least one wine

Workflow:

1. The tester presses on a wine in the wish list.
2. The system shall display the selected wine's information page.
3. The tester presses the "Add to My Vineyard" button.
4. The system shall add the selected wine to the tester's vineyard.

5. The system shall remove the selected wine from the wish list.
6. The system shall display the wish list.

Postconditions:

- The selected wine is removed from the wish list.
- The selected wine is added to the tester's vineyard.

Expected Results:

- The selected wine is removed from the wish list.
- When the tester navigates to the My Vineyard screen, the selected wine is listed.

Test WL 03

Description:

This test covers the deletion of a wine from the wish list.

Priority: M

Desired Outcome:

The selected wine should be removed from the wish list.

Required Test Cases:

Test REG 01

Test WL 01

Requirements:

ACC 02

WL 01

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the wish list page.
- The wish list must contain at least one element.

Workflow:

1. The tester holds down the wine they wish to remove from the wish list.
2. The system shall display a prompt asking the tester if they wish to delete the selected wine.
3. The tester shall select "Ok".
4. The system shall remove the selected wine from the wish list.

Postconditions:

- The selected wine should be removed from the wish list.

Expected Results:

- The selected wine should no longer be listed among the items in the wish list.

Test SQ 01a

Description:

This test case covers the ability of the tester to execute a successful search of the database for wines of a specific year.

Priority: H

Desired Outcome:

The desired wine should be listed to the user.

Required Test Cases:

Test REG 01

Test INV 02

Requirements:

ACC 02

INV 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the search screen.

Workflow:

1. The tester shall enter "1980" into the search bar.
2. The tester shall press the magnifying glass button.
3. The system shall display a list of wines matching with the entered criteria.

Postconditions:

- The system shall list wines matching the entered criteria.

Expected Results:

- The system shall list wines matching the entered criteria

Test SQ 01b

Description:

This test case covers the ability of the tester to execute a successful search of the database for a specific wine and add it to their vineyard.

Priority: H

Desired Outcome:

The selected wine should be added to the tester's vineyard.

Required Test Cases:

Test REG 01

Test INV 02

Requirements:

ACC 02

INV 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the search screen.

Workflow:

1. The tester shall enter "Moscato" into the search field.
2. The tester shall press the magnifying glass button.
3. The system shall display a list of wines matching the search criteria.
4. The tester shall select "Brown Brothers Moscato".

5. The system shall display the wine information page for the selected wine.
6. The tester shall scroll to the bottom of the page and press the “Save” button.
7. The system shall add the selected wine to the tester’s vineyard.
8. The system shall display the search results page.

Postconditions:

- The system shall display a list of wines matching the search criteria
- The tester’s vineyard shall contain the selected wine.

Expected Results:

- The system shall display a list of wines matching the search criteria
-

Test SQ 01c

Description:

This test case covers the ability of the tester to execute a successful search of the wish list for a specific wine.

Priority: H

Desired Outcome:

The desired wine should be listed to the user.

Required Test Cases:

Test REG 01

Test WL 02

Requirements:

ACC 02

WL 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
 - The system must currently be displaying the Wishlist screen.
 - The tester's wish list must contain at least two wines which have different names: "Fantasia" and "Mercado".
-

Workflow:

1. The tester shall enter "Fantasia" into the search field.
 2. The system shall display only wines that meet the entered criteria.
-

Postconditions:

- The system shall list the entered wine.
 - The wish list shall be unmodified
-

Expected Results:

- The system shall list the entered wine.
-

Test SQ 01d

Description:

This test case covers the ability of the tester to execute an unsuccessful search of the wish list for a specific wine.

Priority: H**Desired Outcome:**

A message should be displayed to the tester, informing them that the desired wine was not found in the wish list.

Required Test Cases:

Test REG 01

Test WL 02

Requirements:

ACC 02

WL 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the search screen.
- The tester's wish list must contain at least two wines which have different names: "Fantasia" and "Mercado" and have no wines whose names begin with 'Z'.

Workflow:

1. The tester shall enter "ZZZ"
2. The system shall continue to display all items in the wishlist (List is only updated if the dynamic search found results).

Postconditions:

- The system shall continue to display all items in the wishlist (List is only updated if the dynamic search found results).
- The wish list shall be unmodified.

Expected Results:

- The system shall continue to display all items in the wishlist (List is only updated if the dynamic search found results).

Test SQ 01e

Description:

This test case covers the ability of the tester to execute a successful search of the vineyard for multiple wines.

Priority: H

Desired Outcome:

The desired wines should be listed to the user.

Required Test Cases:

Test REG 01

Test INV 02

Requirements:

ACC 02

INV 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the “My Vineyard” screen.
- The tester’s vineyard must contain at least two wines whose names begin with an ‘S’: “Schubert” and “Sartini”.

Workflow:

1. The tester shall enter “S” into the search field.
2. The system shall display all wines that match the search criteria.

Postconditions:

- The system shall display all wines that match the search criteria.
- The tester's vineyard shall be unmodified.

Expected Results:

- The system shall display all wines that match the search criteria.

Test SQ 01f

Description:

This test case covers the ability of the tester to execute a successful search of the wish list for multiple wines.

Priority: H

Desired Outcome:

The desired wines should be listed to the user.

Required Test Cases:

Test REG 01

Test WL 02

Requirements:

ACC 02

WL 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the “Wishlist” screen.
- The tester’s wish list must contain at least two wines whose names begin with ‘D’: “Delectable” and “Dvorak’s Delight”.

Workflow:

1. The tester shall enter “D” into the search field.
2. The system shall display all wines that match the search criteria.

Postconditions:

- The system shall display all wines that match the search criteria.
- The wish list shall be unmodified.

Expected Results:

- The system shall display all wines that match the search criteria.

Test SQ 03a

Description:

This test case covers the ability of the tester to search their vineyard by photographing a label.

Priority: L

Desired Outcome:

All wines in the tester’s vineyard that match the label should be listed.

Required Test Cases:

Test REG 02

Test INV 02

Requirements:

ACC 02

INV 02

SQ 03

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the search screen.

Workflow:

1. The tester shall press the “Scan Label” button.
2. The tester shall take a picture of a wine label using the phone’s camera.
3. The system shall display all wines whose information matches that of the label

Alternate Workflow:

1. The tester shall press the “Scan Label” button.
2. The tester shall take a picture of a wine label using the phone’s camera.
3. The system shall display a message informing the tester that no wines in the vineyard matched the label information.

Postconditions:

- The system shall list wine all wines with information matching the label.
- The vineyard shall be unmodified.

Expected Results:

- The system shall list wine all wines in the tester’s vineyard with information matching the label.

Test SQ 03b

Description:

This test case covers the ability of the tester to search their wish list by photographing a label.

Priority: L

Desired Outcome:

All wines in the tester's wish list that match the label should be listed.

Required Test Cases:

Test REG 02

Test WL 02

Requirements:

ACC 02

WL 02

SQ 03

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the search screen.

Workflow:

1. The tester shall press the "Scan Label" button.
2. The tester shall take a picture of a wine label using the phone's camera.
3. The system shall display all wines whose information matches that of the label

Alternate Workflow:

1. The tester shall press the “Scan Label” button.
2. The tester shall take a picture of a wine label using the phone’s camera.
3. The system shall display a message informing the tester that no wines in the vineyard matched the label information.

Postconditions:

- The system shall list wine all wines with information matching the label.
- The vineyard shall be unmodified.

Expected Results:

- The system shall list wine all wines in the tester’s wish list with information matching the label.

Test SQ 04a

Description:

This test case covers the ability of the tester to search their vineyard by sweetness/dryness of a wine

Priority: L

Desired Outcome:

All wines in the tester’s vineyard matching the desired level of sweetness/dryness should be listed.

Required Test Cases:

Test REG 02

Test INV 02

Requirements:

ACC 02

INV 02

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the search screen.
- The tester's vineyard must contain at least one wine.

Workflow:

1. The tester shall press the "Search by Sweetness/Dryness" button.
2. The tester specify how sweet/dry of a wine to search for.
3. The system shall display all wines whose information matches the desired level of sweetness/dryness.

Alternate Workflow:

1. The tester shall press the "Search by Sweetness/Dryness" button.
2. The tester shall specify how sweet/dry of a wine to search for.
3. The system shall display a message informing the tester that no wines in the vineyard matched the specified level of sweetness/dryness.

Postconditions:

- The system shall list all wines with the corresponding level of sweetness/dryness.
- The vineyard shall be unmodified.

Expected Results:

- The system shall list all wines with the corresponding level of sweetness/dryness.

Test SQ 04b

Description:

This test case covers the ability of the tester to search their wish list by sweetness/dryness of a wine

Priority: L

Desired Outcome:

All wines in the tester's wish list matching the desired level of sweetness/dryness should be listed.

Required Test Cases:

Test REG 02

Test WL 02

Requirements:

ACC 02

WL 02

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the search screen.
- The tester's wish list must contain at least one wine.

Workflow:

1. The tester shall press the "Search by Sweetness/Dryness" button.
2. The tester shall specify how sweet/dry of a wine to search for.
3. The tester shall select the "Search Wish List" box.

4. The system shall display all wines whose information matches the desired level of sweetness/dryness.

Alternate Workflow:

1. The tester shall press the “Search by Sweetness/Dryness” button.
2. The tester shall specify how sweet/dry of a wine to search for.
3. The tester shall select the “Search Wish List” box.
4. The system shall display a message informing the tester that no wines in the wish list matched the specified level of sweetness/dryness.

Postconditions:

- The system shall list all wines in the wish list with the corresponding level of sweetness/dryness.
- The wish list shall be unmodified.

Expected Results:

- The system shall list all wines in the wish list with the corresponding level of sweetness/dryness.

Test SC 01

Description:

This test case covers the ability of the tester to view recent comments and ratings of wines made by other users the tester has registered as a friend.

Priority: M

Desired Outcome:

The tester is able to view a list of ratings and comments made by all of their friends.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the social media screen.

Workflow:

1. The tester shall press the “View Friends’ Comments/Ratings” button.
2. The system shall display a list of all comments/ratings made by the tester’s friends.

Alternate Workflow:

1. The tester shall press the “Search by Sweetness/Dryness” button.
2. The system shall display a message informing the tester that no friends have made any wine comments/rating.

Postconditions:

- The system shall list all comments/ratings of wines made by the tester’s friends.
- The most recent comments/ratings shall be near the top of the list.

Expected Results:

- The system shall list all comments/ratings of wines made by the tester’s friends.

Test SC 02

Description:

This test case covers the ability of the tester to track their friends' recent purchases and wish list additions.

Priority: O

Desired Outcome:

The tester is able to view a list of recent actions (Vineyard/wish list additions, consumption of wines) taken by their friends.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the social media screen.

Workflow:

1. The tester shall press the "View Friends' Activity" button.
2. The system shall display a list of all recent actions made by the tester's friends.

Alternate Workflow:

1. The tester shall press the “Search by Sweetness/Dryness” button.
2. The system shall display a message informing the tester that no actions have yet been made friends.

Postconditions:

- The system shall display a list of all recent actions made by the tester’s friends
- The most recent actions shall be near the top of the list.

Expected Results:

- The system shall display a list of all recent actions made by the tester’s friends

Test SC 03a

Description:

This test case covers the ability of the tester to view wine recommendations friends have made to them.

Priority: O

Desired Outcome:

The tester is able to view a list of recommendations made by their friends.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the social media screen.

Workflow:

1. The tester shall press the “View Recommendations” button.
2. The system shall display a list of all wine recommendations to the tester that have been posted by their friends.

Alternate Workflow:

1. The tester shall press the “View Recommendations” button.
2. The system shall display a message informing the user that no friends have sent them a recommendation.

Postconditions:

- The system shall display to the tester a list of all wine recommendations that have been posted by their friends.
- The most recent recommendations shall be near the top of the list.

Expected Results:

- The system shall display to the tester a list of all wine recommendations that have been posted by their friends.

Test SC 03b

Description:

This test case covers the ability of the tester to make wine recommendations to their friends.

Priority: O

Desired Outcome:

The tester is able to make a wine recommendation to one of their friends.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
 - The system must currently be displaying the social media screen.
-

Workflow:

1. The tester shall press the “Make a Recommendation” button.
 2. The system shall display an information entry screen.
 3. The tester shall enter the name of the friend they would like to make a recommendation to and the type of wine they want to recommend.
 4. The tester shall press the “Submit” button.
 5. The system shall post a recommendation on the friend’s account.
-

Alternate Workflow:

1. The tester shall press the “Make a Recommendation” button.
2. The system shall display an information entry screen.
3. The tester shall enter the name of a nonexistent friend they would like to make a recommendation to and the type of wine they want to recommend.
4. The tester shall press the “Submit” button.
5. The system shall display a message informing the tester that they have no friend that goes by the name they entered.

Postconditions:

- The system shall post a recommendation on the friend's account.

Expected Results:

- The system shall post a recommendation on the friend's account.

Test SC 04

Description:

This test case covers the ability of the tester to invite a friend via email to use this app.

Priority: O

Desired Outcome:

The tester is able to send an invite to use the app to one of their friends.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the social media screen.

Workflow:

1. The tester shall press the “Invite a friend” button.
2. The system shall display an information entry screen.
3. The tester shall enter the name of the friend they would like to send an invite to.
4. The tester shall select the “Invite via Facebook” check box.
5. The tester shall press the “Submit” button.
6. The system shall post a recommendation on the friend’s Facebook account.

Alternate Workflow 1:

1. The tester shall press the “Invite a friend” button.
2. The system shall display an information entry screen.
3. The tester shall enter the email address of the friend they would like to send an invite to.
4. The tester shall select the “Invite via email” check box.
5. The tester shall press the “Submit” button.
6. The system shall send the friend an email inviting them to use this app.

Alternate Workflow 2:

1. The tester shall press the “Invite a friend” button.
2. The system shall display an information entry screen.
3. The tester shall enter the phone number of the friend they would like to invite.
4. The tester shall select the “Invite via text message” check box.
5. The tester shall press the “Submit” button.
6. The system shall send the friend a text message inviting them to use this app.

Postconditions:

- The system shall send an invite to the friend.

Expected Results:

- The system shall send an invite to the friend.

Test SC 05

Description:

This test case covers the ability of the tester to invite a group of friends to a wine tasting event.

Priority: O

Desired Outcome:

The tester is able to send an invite to use the app to one of their friends to a wine tasting event.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

SC 05

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the social media screen.

Workflow:

1. The tester shall press the "Create a wine tasting" button.
2. The system shall display a list of the tester's friends.
3. The tester shall press on the names of the friends they wish to invite to the tasting.
4. The tester shall press the "Submit" button.

Postconditions:

- The system shall send invites to the selected friends.

Expected Results:

- The system shall send invites to the selected friends.

Test TUT 01

Description:

This test case covers the ability of the tester to view videos teaching them about various information about how to start enjoying wine.

Priority: L

Desired Outcome:

The tester is able to send an invite to use the app to one of their friends to a wine tasting event..

Required Test Cases:

Test REG 02

Requirements:

ACC 02

TUT 01

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the “I’m New to Wine” screen.

Workflow:

1. The tester shall press the “Video Tutorials” button.
2. The system shall display a list of tutorials.
3. The tester shall press on a tutorial to view.
4. The system shall launch the web browser and display the webpage containing the selected tutorial.

Postconditions:

- The system shall launch the browser and display webpage containing the selected tutorial.
- The web browser shall be open.

Expected Results:

- The system shall launch the browser and display webpage containing the selected tutorial.

Test TUT 02

Description:

This test case covers the ability of the tester to view a list of web links leading to various resources pertaining to wine.

Priority: O

Desired Outcome:

The tester is able to view a list of links to various resources pertaining to wine.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

TUT 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the “I’m New to Wine” screen.

Workflow:

1. The tester shall press the “Wine Resources” button.
2. The system shall display a list of links to web pages.
3. The tester shall press on one of the links.
4. The system shall open the link in a web browser.

Postconditions:

- The system shall navigate to the web page containing the resource.
- The web browser shall be open.

Expected Results:

- The system shall navigate to the web page containing the resource.

Test REC 01

Description:

This test case covers the ability of the tester to receive a random wine recommendations out of their vineyard from the system.

Priority: L

Desired Outcome:

The tester shall receive a random wine recommendation from the system.

Required Test Cases:

Test REG 02

Requirements:

ACC 02

REC 01

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the Main screen.
- The tester's vineyard must contain at least one wine.

Workflow:

1. The tester shall press the "Menu" button.
2. In the slideout tray, the tester shall select "Surprise Me"
3. The system shall display a wine recommendation from the tester's vineyard in a new page.

Postconditions:

- The system shall display a wine recommendation in a separate page.
- The tester's vineyard shall remain unmodified.

Expected Results:

- The system shall display a wine recommendation in a separate page.

Test BAC 01

Description:

This test case shows that the user shall have the ability to check whether it is safe to drive after drinking a particular set of wine(s), or see how long it will take for them to safely drive again if they drink a planned set of wine(s).

Priority: M

Desired Outcome:

After inputting the appropriate information, show a recommended period of time to wait before driving.

Required Test Cases:

N/A

Requirements:

BMI 01

BMI 02

BMI 03

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the BAC calculator screen.

Workflow:

1. The tester shall enter "170" as their weight.
2. The tester shall enter "Male" as their gender
3. The tester inputs "3" as the number of drinks consumed
4. The tester inputs "2 hours 0 minutes" as the amount of time that has passed since they have started drinking.
5. The tester presses the "Use Breathalyzer" button.
6. The system outputs a BAC percentage, "0.07%", a message "You're Impaired", and a message that displays the approximate amount of time until sobriety is reached: "Wait 4 hours 40 minutes".

Alternate Workflow 1:

1. The tester shall repeat the above steps 1-4, except they shall leave the weight field blank for step 1.
2. The system shall display a message informing the tester that the weight field must be provided.

Alternate Workflow 2:

1. The tester shall repeat the above steps 1-4, except they shall leave the gender field blank for step 2.
2. The system shall display a message informing the tester that the gender field must be either "Male" or "Female".

Postconditions:

- The period of time until the user is sober is displayed

Expected Results:

- The period of time until the user is sober is displayed

Test BAC 02

Description:

This test case shows that the tester shall have the ability to check whether it is safe to drive after drinking a particular set of wine(s), or see how long it will take for them to safely drive again if they drink a planned set of wine(s). This test case tests the BAC of a female.

Priority: M

Desired Outcome:

After inputting the appropriate information, show a recommended period of time to wait before driving.

Required Test Cases:

N/A

Requirements:

BMI 01

BMI 02

BMI 03

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the BAC calculator screen.

Workflow:

1. The tester shall enter "130" as their weight.
2. The tester shall enter "Female" as their gender.

3. The tester inputs “3” as the number of drinks consumed
4. The tester inputs “2 hours 0 minutes” as the amount of time that has passed since they have started drinking.
5. The tester presses the “Use Breathalyzer” button.
6. The system outputs a BAC percentage, “0.11%”, a message “You’re Intoxicated”, and a message that displays the approximate amount of time until sobriety is reached: “Wait 7 hours 20 minutes”.

Alternate Workflow 1:

1. The tester shall repeat the above steps 1-4, except they shall leave the weight field blank for step 1.
2. The system shall display a message informing the tester that the weight field must be provided.

Alternate Workflow 2:

1. The tester shall repeat the above steps 1-4, except they shall leave the gender field blank for step 2.
2. The system shall display a message informing the tester that the gender field must be either “Male” or “Female”.

Postconditions:

- The period of time until the user is sober is displayed

Expected Results:

- The period of time until the user is sober is displayed

Test INV 01a

Description:

This test case covers the tester’s ability to add a wine to their vineyard.

Priority: H

Desired Outcome:

The application will add the wine to the tester's vineyard.

Required Test Cases:

N/A

Requirements:

INV 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the "My Vineyard" screen.

Workflow:

1. The tester selects the plus button
2. The system shall display a screen allowing the tester to input wine info.
3. The tester shall input "Barbera" as the wine's name.
4. The tester shall input "Villa Toscano" as the winery name.
5. The tester shall input "Syrah" as the varietal.
6. The tester shall input "2010" as the vintage year.
7. The tester shall input "3 bottles" as the quantity.
8. The tester shall input "4.5" as the rating of the wine (On a scale of 0 to 5.0)
9. The tester shall input "In the kitchen drawer next to stove" as the location.
10. The tester shall input "Has plum overtones" in the notes field.
11. The tester shall leave the "Post to Facebook" check box blank.
12. The tester shall press the "Save" button
13. The system shall display the My Vineyard screen, with the newly added wine in the tester's list of wines.

Alternate Workflow:

- I. Upon reaching step 2 in the workflow, the tester may also opt to take a picture of the wine that they want to add to their vineyard by tapping the “Tap to take photo” icon.

Postconditions:

- The app will add the wine into the tester’s inventory of wines.
- The “My Vineyard” screen will display the My Vineyard list updated with the newly added wine.

Expected Results:

- The “My Vineyard” screen will display the inventory list updated with the newly added wine.

Test INV 01b

Description:

This test case covers the tester’s ability to add a wine to the tester’s vineyard via the “Quick Add” feature.

Priority: H

Desired Outcome:

The application will add the wine to the tester’s vineyard.

Required Test Cases:

N/A

Requirements:

INV 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
 - The system must currently be displaying the Main screen.
-

Workflow:

1. The tester shall select the “Quick Add” button.
 2. The system shall display a screen prompting on whether to add to the Vineyard or the Wish List.
 3. The tester shall select the “My Vineyard” button.
 4. The system shall display a data entry page.
 5. The tester shall enter “Schubert” as the wine’s name
 6. The tester shall enter “Goodman Wineries” as the vineyard
 7. The tester shall enter “Chardonnay” as the varietal
 8. The tester shall enter “2006” as the vintage
 9. The tester shall enter “1 case” as the quantity
 10. The tester shall enter “3.0” as the rating
 11. The tester shall enter “Wine Cellar” as the location
 12. The tester shall enter “sweet and tart” in the notes field
 13. The tester shall leave the “post to facebook” box unchecked
 14. The tester shall press the “Save” button
 15. The system shall add the new wine to the tester’s Vineyard and display the “My Vineyard” screen
-

Alternate Workflow:

1. Upon reaching step 4 in the workflow, the tester may also opt to take a picture of the wine that they want to add to their vineyard by tapping the “Tap to take photo” icon.
-

Postconditions:

- The app will add the wine into the tester’s inventory of wines.
- The “My Vineyard” screen will display the “My Vineyard” list updated with the newly added wine.

Expected Results:

- The “My Vineyard” screen will display the inventory list updated with the newly added wine.

Test INV 02

Description:

This test case covers the tester’s ability to delete a wine from their vineyard.

Priority: H

Desired Outcome:

The application will remove the selected wine from the tester’s vineyard.

Required Test Cases:

INV 01

Requirements:

REG 01

REG 02

INV 01

INV 03

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the “My Vineyard” screen.
- The tester’s vineyard must contain at least one wine.

Workflow:

1. The tester shall hold down the wine they wish to delete.
2. The system shall display a prompt asking if the selected wine should be deleted.
3. The tester shall select "Ok".
4. The system shall remove the selected wine from the tester's vineyard list.
5. The system shall display the "My Vineyard" screen.

Alternate Workflow:

1. During step 3, the tester can cancel the deletion process by pressing the "Cancel" button.

Postconditions:

- The deleted wine will be removed from the tester's vineyard.
- The "My Vineyard" screen will be displayed, with the wine that was removed no longer listed.

Expected Results:

- The system shall display the "My Vineyard" screen. The wine that was removed will not be listed.

Test INV 03

Description:

This test case covers the tester's ability to edit wine data within their vineyard

Priority: H

Desired Outcome:

The user will be able to change/update the data of any wine already stored within their vineyard.

Required Test Cases:

INV 01

Requirements:

REG 01

REG 02

INV 01

INV 03

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the “My Vineyard” screen.
- The tester’s vineyard must contain at least one wine with the following attributes: Name: “Barbera Villa Toscano”, Vintage year: “2010”.

Workflow:

1. The tester selects “Barbera Villa Toscano”
2. The tester presses the options button (three vertical dots) in the title bar (If testing on a physical android device)
3. The tester selects the “edit” button from the resulting menu
4. The system shall display a screen containing the wine’s current information in text fields
5. The tester shall change the “Vintage Year” field from “2010” to “2008”
6. The tester shall press the “Save” button.
7. The system shall display the “My Vineyard” screen.

Alternate Workflow:

- I. At step 2, if the tester is running the app in an emulator, the tester shall press the “menu” button on the hardware side of the emulator and then continue to step 3.

Postconditions:

- The data of the edited wine will be changed to the newly-entered value
- The system shall display the “My Vineyard” screen

Expected Results:

- The system shall display the “My Vineyard” screen. The wine that was edited shall display the newly entered information.

Test INV 04

Description:

This test case covers the tester’s ability to look at specific types of wine within their vineyard

Priority: H

Desired Outcome:

The application will display all of the wines in the tester’s vineyard that match the specified criteria.

Required Test Cases:

INV 01

Requirements:

REG 01

REG 02

INV 01

SQ 01a

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the “My Vineyard” screen.
- The tester’s vineyard must contain at least two wines: one must have type “Muscato” and the other must have type “Merlot”.

Workflow:

1. The tester selects “Barbera Villa Toscano”
2. The tester selects the “edit” button
3. The system shall display a prompt asking whether to delete the wine, adjust the remaining quantity, or change the information about the wine.
4. The tester shall select “change info”.
5. The system shall display a screen containing the wine’s current information in text fields
6. The tester shall change the “Vintage Year” text field from “2010” to “2008”
7. The tester shall press the “confirm” button.
8. The system shall display the “My Vineyard” screen.

Alternate Workflow:

1. The tester shall enter “Muscato” into the search field.
2. The tester shall press the “search” button.
3. The system shall remove all wines that do not have type “Muscato” from the inventory list.
4. The tester shall press the “back” button.
5. The system shall list all items in the tester’s vineyard.

Postconditions:

- The system shall display only the wines that match the specified criteria

- The tester's vineyard shall remain unmodified.

Expected Results:

- The system shall display only the wines that match the specified criteria

Test INV 05

Description:

This test case covers the ability of the tester to receive a suggestion on food/wine pairings when viewing a wine in their vineyard.

Priority: M

Desired Outcome:

The application will successfully retrieve wine data from the user's vineyard when looking for food/wine pairings.

Required Test Cases:

INV 01

Requirements:

REG 01

PAR 01

PAR 03

Implementation Phase:

Planned for future release

Preconditions:

- The tester must be logged in.
- The system must currently be displaying the Wine/Food Pairing screen.

Workflow:

1. The tester selects “Match food to wine”
2. The tester selects the “Pair with my wine” button
3. The system shall display a list of food categories to the user:”vegetables, roasted vegetables, soft cheeses, hard cheeses, starches, fish, rich fish, white meat, red meat, cured meat, sweets”
4. The tester shall select “sweets”
5. The system shall prompt the user asking if they wish to pair the selected food with any wines from their vineyard
6. The tester shall select “my wines”
7. The system shall search the tester’s vineyard for wines that match the selected food
8. The system displays a list of wines that match the selected food to the user.

Alternate Workflow:

1. The tester selects “Match wine to food”
2. The tester selects the “Pair with my wine” button
3. The system shall display a list wines from the tester’s vineyard
4. The tester shall select a wine from the list
5. The system displays a list of foods that match the selected food to the user.

Postconditions:

- The system shall display a list of wines that pair well with the selected food.

Expected Results:

- The system shall display a list of wines that pair well with the selected food.

Test REG 01

Description:

This test case covers the ability of the tester to create a profile for this application

Priority: H

Desired Outcome:

The application will successfully create an account that stores the user's username, password, gender, email, date of birth, and weight.

Required Test Cases:

INV 01

Requirements:

REG 01

Implementation Phase:

Implemented

Preconditions:

- The tester must have this app installed on their phone

Workflow:

1. The tester shall launch the application.
2. The system shall present the main login screen to the user.
3. The user shall select "Sign Up"
4. The system shall present the user with a list of fields to fill out.

5. The tester shall input their first name as “Qyoo Ey”
6. The tester shall input their last name as “McTest”
7. The tester shall input their email as “winoTester@gmail.com”
8. The tester shall input “WineLover” as their username
9. The tester shall input their password as “accesscode”
10. The tester shall input their date of birth as “01/01/1991”
11. The tester shall select “Female” for their gender
12. The tester shall input their weight as “150”

Alternate Workflow:

1. The tester shall press the “Submit” button without entering any data.
2. The system shall display a message informing the tester that all fields need to be filled in.

Postconditions:

- The system shall generate a profile containing a username and password that allows the user to log in to the application
- The database now contains the newly added user.
- The system shall log the newly created user in.
- The system shall navigate to the Main Screen.

Expected Results:

- The system shall log the newly created user in.
- The system shall navigate to the Main Screen.

Test REG 02

Description:

This test case covers the ability of the tester to log in to this application

Priority: H

Desired Outcome:

The application will successfully log the tester in to their pre-existing profile.

Required Test Cases:

REG 01

Requirements:

ACC 01

ACC 02

Implementation Phase:

Implemented

Preconditions:

- The tester must have a user account.

Workflow:

1. The tester shall launch the application.
2. The system shall present the login screen to the tester.
3. The tester shall input "winoTester@gmail.com" as the email
4. The tester shall input the password "accesscode"
5. The tester shall select the "login" button
6. The system shall confirm that the provided username/password combination is correct and display the main screen of the application.

Alternate Workflow:

1. The tester enters their email: "winobe45t@aol.com".
2. The tester enters "accesscode" as their password
3. The system shall display an error message informing the tester that their login information is incorrect.

Postconditions:

- The system shall allow the tester access to the features of the application.

- The system shall display the main screen of the application.

Expected Results:

- The system shall display the main screen of the application.

Test REG 03

Description:

This test case covers the ability of the tester to log out of this application

Priority: H

Desired Outcome:

The system shall log out the user back to the login screen.

Required Test Cases:

REG 01

REG 02

Requirements:

ACC 01

ACC 03

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must be currently displaying the main screen.

Workflow:

1. The tester shall select “Menu” from the main screen.
2. The tester shall select “Logout” from the slideout menu
3. The system shall successfully log the tester out and redirect them to the login screen.

Postconditions:

- The system shall display the login screen
- The current user shall be logged out of the application.

Expected Results:

- The system shall display the main screen of the application.

Test WMP 01

Description:

This test case covers the ability of the tester to receive a recipe for a suggested item of food from the system once they have chosen a wine to drink.

Priority: M

Desired Outcome:

The tester will receive a recipe for the suggested dish to eat with their wine.

Required Test Cases:

REG 01

Requirements:

PAR 02

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must be currently displaying the “Pair It” screen.

Workflow:

4. The tester shall select the “Pair a Wine!” button.
5. The system shall display a search screen
6. The tester shall enter “Merlot” into the search field.
7. The tester shall press the “Search Meals” button.
8. The system shall display a list of wines.
9. The tester shall select “Graeser Merlot Two Dog Vineyard”
10. The system shall display a list of dishes.
11. The tester shall select “Oven baked Onion Rings”.
12. The system shall open a webpage containing the recipe for the selected item in the browser.

Postconditions:

- The system shall display a webpage giving a recipe for the suggested meal
- The browser shall be open.

Expected Results:

- The system shall display a webpage giving a recipe for the suggested meal

Test WMP 02

Description:

This test case covers the ability of the tester to receive a wine suggestion from the system once they have chosen a food to eat.

Priority: M

Desired Outcome:

The tester will receive a suggestion for what to drink with their meal.

Required Test Cases:

REG 01

Requirements:

PAR 01

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must be currently displaying the “Pair It” screen.

Workflow:

1. The tester shall select the “Pair a Meal!” option from the main menu
2. The system shall present the tester with a list of food categories.
3. The tester shall select “Ethnic Cuisine”
4. The system shall present the tester with a list of styles of ethnic foods.
5. The tester shall select “Indian”

6. The system shall present the tester with a list of dishes.
7. The tester shall select “Lamb Curry”
8. The system shall present the user with a suggestion for a wine type to pair with.

Postconditions:

- The system shall present the user with a suggestion for a wine type to pair with.

Expected Results:

- The system shall present the user with a suggestion for a wine type to pair with.

Test WMP 03

Description:

This test case covers the ability of the tester to search their vineyard for a recommended wine to enjoy with their meal.

Priority: M

Desired Outcome:

The tester will receive list of wines from their vineyard that match a suggestion for what to drink with their meal.

Required Test Cases:

REG 01

INV01a or INV01b

WMP 02

Requirements:

PAR 01

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must be currently displaying the “Pair It” screen.
- The tester’s vineyard must contain at least one wine of type “Pinot Grigio”

Workflow:

1. The tester shall select the “Pair a Meal!” option from the main menu
2. The system shall present the tester with a list of food categories.
3. The tester shall select “Cheese”
4. The system shall present the tester with a list of cheeses.
5. The tester shall select “Soft Cheese”
6. The system shall present the tester with a list of dishes.
7. The tester shall select “Mozzarella”
8. The system shall present the user with a suggestion for a wine type to pair with.
9. The tester shall press the “Search My Vineyard for...” button
10. The system shall list all wines in the tester’s vineyard that matches the specified type.

Postconditions:

- The system shall list all wines in the tester’s vineyard that matches the suggested type.

Expected Results:

- The system shall list all wines in the tester’s vineyard that matches the suggested type.

Test WMP 04

Description:

This test case covers the ability of the tester to search the database for a recommended wine to enjoy with their meal.

Priority: M

Desired Outcome:

The tester will receive list of wines from the database that match a suggestion for what to drink with their meal.

Required Test Cases:

REG 01

WMP 02

Requirements:

PAR 01

Implementation Phase:

Implemented

Preconditions:

- The tester must be logged in.
- The system must be currently displaying the "Pair It" screen.

Workflow:

1. The tester shall select the "Pair a Meal!" option on the "Pair It" screen
2. The system shall present the tester with a list of food categories.
3. The tester shall select "Cheese"
4. The system shall present the tester with a list of cheeses.
5. The tester shall select "Soft Cheese"

6. The system shall present the tester with a list of dishes.
7. The tester shall select “Mozzarella”
8. The system shall present the user with a suggestion for a wine type to pair with.
9. The tester shall press the “Search Database for...” button
10. The system shall list all wines in the database that match the suggested wine type.

Postconditions:

- The system shall list all wines in the database that match the suggested wine type.

Expected Results:

- The system shall list all wines in the database that match the suggested wine type.