# Use Cases

## Wine Application: Wine-Know

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# Use Case Description

As requested on April 16th 2013 by the customer, this Use Case Model will act as a viable tool and guide for referencing attributes of the requested application relating to wine. The purpose of this guide is to provide a representation of an android application for users of varying interests in the many forms of wine. The main customer for this product is the CEO and Founder of CSE110 Software Engineering, Inc.; however, the application provided will appeal to wine enthusiasts ranging from first time consumers to modern connoisseurs. As a result, wine enthusiasts have a mobile platform that allows them to explore their passions in both the traditional, sophisticated realm of wine and the unorthodox, less explored realm found outside of the traditional "wine comfort zone".

Within the application, all features are accessible, yet inalterable (excluding the Wine Rating System) by the customer and additional users. In order to provide a consistent and functional application, there are no resources or restrictions allowing the customer unique privileges to features and content.

The wine application designated "Wine-Know" will provide users with a variety of wines based upon personal preference in select wine characteristics, interest in wine pairings, culinary curiosity, and wine knowledge. The "Sip" feature of "Wine-Know" serves as a way for the user to generate, either at random or based upon a criteria, wine recommendations. If the user choose to find a wine at random, a single wine recommendation is presented as well as the option for the user to "skip" to the next randomly chosen wine. Although, a user with a more particular type of wine in mind may search based upon the single selection criteria of color, varietal, or descriptor. Overall, a wine is displayed by name, varietal, year, and color. The Wine Rating System is presented to the user as a "Review" functionality, where the user may assign a score from 1-5 to a wine he or she may have recently tried. The user may also view previously reviewed wines as the number of reviews received affect the overall review number displayed. In addition, users receive the capability to choose how to pair wine, based upon the particular type of food being consumed in combination with the wine (red meat, fish, etc). The application also allows users the option to locate a variety of recipes from simple sauces to intriguing wine based treats for new and creative wine experiences. Here the user may select from a list of main components of a dish (chicken, pork, etc.). Upon selection of the main component, the application presents a list of recipes pertaining to the selected option for the user to scroll through. From the homepage, the user may access an alphabetical glossary of professionally used wine jargon. Upon selection, the glossary will open to a list of alphabetically ordered terms which upon selection displays that terms definition. As a supplement to the glossary, the application provides the ability for the user to generate facts randomly. The facts generated are not limited to common and professional knowledge, but lesser knowledge such as century old practices that exist in modern times. For example, "In ancient Greece, a person hosting the party would drink the wine first just to make sure it was healthy to drink and not poisoned. It was here that the popular phrase "drinking to one's health" arose." Finally, in order to accommodate users of varying technical expertise, "Wine-Know" features a "Help" option to quickly familiarize all users with a brief description of its features and clear labeling of buttons.

# Table of Contents

**Title (Use Case #)**                                                    **Page**

# Use Case Key

**Description:**  A summary of what that specific use case does

**Actors:**  Who is involved in this Use Case

**Desired Outcome:** What is supposed to happen

**User Goals:** What the user wants to accomplish in this action

**Dependent Use Cases:** If the use case is dependent on any previous ones to work

**Involved Requirements:** The corresponding requirements for the Use Case

**Details:**

**Priority – The urgency of the use case to the application**

       0 - Completed

       1- Highest Priority, Vital to Application

       2- High Priority

       3- Low Priority, Implemented if given time

**Progress- The current phase the use case is in**

       Planning – Use Case is currently being considered and planned

       Designing- Use Case is being laid-out and designed with team

       Developing- Use Case is currently being implemented

       Testing – Use Case is in test phase, being test with the team and potential users

       Completed – Use Case is fully implemented into application and currently functioning

       Deferred- Development of use case is currently on hold

**Test Phase – The current testing phase the use case is in**

       Planned - Testing will commence when development is completed

       In Progress - Currently testing with team

       Complete - Test phase complete, Use Case currently functional

       Deferred - Development of use case is currently on hold, therefore testing is as well

**Pre-Conditions:**

Actions that have to be true, before this Use Case begins

**Post-Conditions:**

The outcome of the Use Case being completed

**Trigger:**

How the Use Case begins (or how it is "triggered")

**Workflow:**

The user and system steps involved in the Use Case

**Alternate Paths:**

Other paths the user can take if there is an error within the use case or if there is more than one way to a reach a specific use case

# Terms

**Random Wine** – A wine that is completely random. The system randomly selects a wine (no user input)

**Specific Wine** – A specific wine is one that is recommended by the system based off of some specifications, which were inputted by the user. The option the user has in selecting a specific wine is either by color, varietal or descriptor

**Food Items** - When the term 'Food Items' is used, it includes: Cured Meat, Red Meat, White Meat, Rich Fish, Fish, Bread, Roasted Vegetables, Vegetables, and Sweets

**Type of Dish** – When 'kind of dish' or 'dish' is used, it includes: Red Meat, White Meat, Fish, Starches and Vegetarian

**Varietals** – When the user is given the option to choose a wine by varietal this refers to 6 different varietals. These varietals include: Cabernet Sauvignon, Chardonnay, Merlot, Pinot Noir, Riesling and Syrah/Shiraz

**Wine Glass Rating** – A wine glass rating is the same thing as a 5 start rating, instead wine glasses are used. Below is an example of a '4 Wine Glasses'



**Descriptor** – The user is given 11 descriptors to choose from in one of the sip functionalities. The options are: Light, Fruity, Smooth, Supple, Earthy, Spicy, Big, Bold, Crisp, Rich, Creamy

# Use Case #1: Recommend Random Wine

## Description:
This Use Case outlines the ability for the user to be recommended a Random wine

## Actors:
The Phone User

## Desired Outcome:
The user shall be prompted with a random wine that was recommended by the system

## User Goals:
The user does not know what type of wine they want to be recommend so they would like to see what random wine the app will recommend

## Dependent Use Cases:
None

## Involved Requirements:
SR 01 (Recommend Random Wine)

## Details:
Priority – 1
Progress Status – Completed
Test Phase – Completed

## Pre-Conditions:
The user must be on the sip page

## Post-Conditions:
The system shall suggest a random wine and will display the wine to the user. The system shall display: the wine name, varietal, color and year

## Trigger:
The user shall select the "Random Wine" button from the Sip page

## Workflow:

1. The user shall select the 'Random Wine' button
2. The system shall redirect the user to the 'Random Wine" page, where a random wine, generated by the system, is displayed
3. The user shall be able to continue to ask for more random wine suggestions
4. The system shall update the recommended wine with a new one

## Alternate Paths:

None

# Use Case #2:  Recommend Specific Wine: Red

## Description:

This use case outlines the ability for the user to be recommended a Specific Red Wine. The user has in mind a wine they want based off of either: Color, Varietal or Descriptor and in this case they have a specific color in mind, Red.

## Actors:

The Phone User

## Desired Outcome:

The user shall be recommended a red wine.

## User Goals:

The user wants to be recommended a red wine

## Dependent Use Cases:

None

## Involved Requirements:

SR 02 (Recommend Specific Wine: Red)

## Details:

Priority – 1
Progress Status – Completed
Test Phase – Completed

## Pre-Conditions:

They user must have selected 'Specific' from the 'Sip page'

## Post-Conditions:

The system shall recommend and display to the user a red wine

## Trigger:

The user wants a specific red wine and they shall select 'Red' under the 'Color' category

## Workflow:

1. The system shall display to the user 3 options: Color, Varietal and Descriptor

2. The user shall select: Color

3. The system shall display to the user 2 options: Red or White

4. The user shall select: Red
5. The system shall take the users selection (Red) and return a wine that matches that specification.  The system will display to the user: the wine name, varietal, color and year

## Alternate Paths:

None

# Use Case #3:  Recommend Specific Wine: White

## Description:
This use case outlines the ability for the user to be recommended a Specific White Wine. The user has in mind a wine they want based off of either: Color, Varietal or Descriptor and in this case they have a specific color in mind, White

## Actors:
The Phone User

## Desired Outcome:
The user shall be recommended a white wine

## User Goals:
The user wants to be recommended a white wine

## Dependent Use Cases:
None

## Involved Requirements:
SR 03 (Recommend Specific Wine: White)

## Details:
Priority – 1
Progress Status – Completed
Test Phase – Completed

## Pre-Conditions:
They user must have selected 'Specific' from the 'Sip page'

## Post-Conditions:
The system shall recommend and display (the wine name, varietal, color and year) to the user a white wine

## Trigger:
The user wants a specific white wine and they shall select 'White' under the 'Color' category

## Workflow:
1. The system shall display to the user 3 options: Color, Varietal and Descriptor
2. The user shall select: Color

3. The system shall display to the user 2 options: Red or White

4. The user shall select: White

5. The system shall take the users selection (White) and return a wine that matches that specification. The system will display to the user: the wine name, varietal, color and year

## Alternate Paths:

None

# Use Case #4:  Recommend Specific Wine: Varietal

## Description:

This use case outlines the ability for the user to be recommended a Specific Wine by Varietal. The user has in mind a wine they want based off of either: Color, Varietal or Descriptor and in this case they have a specific Varietal in mind

## Actors:

The Phone User

## Desired Outcome:

The user shall be recommended a wine based off of the varietal they specify

## User Goals:

The user wants to be recommended a wine based off of a specific varietal

## Dependent Use Cases:

None

## Involved Requirements:

SR 04 (Recommend Specific Wine: Varietal)

## Details:

Priority – 1
Progress Status – Completed
Test Phase – Completed

## Pre-Conditions:

They user must have selected 'Specific' from the 'Sip page'

## Post-Conditions:

The system shall recommend and display (the wine name, varietal, color and year) to the user a wine that is of the varietal they indicated

## Trigger:

The user wants a specific wine by varietal and they will select 'Varietal' from the 'Specific Page'

## Workflow:

1. The system shall display to the user 3 options: Color, Varietal and Descriptor
2. The user shall select: Varietal

3. The system shall display to the user 40 varietal options:

4. The user shall select: one varietal from the list

5. The system shall take the users selection (a specific varietal) and return a wine that matches that specification.  The system will display to the user: the wine name, varietal, color and year

## Alternate Paths:

None

# Use Case #5:  Recommend Specific Wine: Descriptor

## Description:
This use case outlines the ability for the user to be recommended a Specific Wine by Descriptor The user has in mind a wine they want based off of either: Color, Varietal or Descriptor and in this case they have a specific Descriptor in mind

## Actors:
The Phone User

## Desired Outcome:
The user shall be recommended a wine based off of the descriptor they specify

## User Goals:
The user wants to be recommended a wine based off of a specific descriptor

## Dependent Use Cases:
None

## Involved Requirements:
SR 05 (Recommend Specific Wine: Descriptor)

## Details:
Priority – 1
Progress Status – Completed
Test Phase – Completed

## Pre-Conditions:
They user must have selected 'Specific' from the 'Sip page'

## Post-Conditions:
The system shall recommend and display (the wine name, varietal, color and year) to the user a wine that is of the varietal they indicated

## Trigger:
The user wants a specific wine by varietal and they will select 'Year' from the 'Specific Page'

## Workflow:
1. The system shall display to the user 3 options: Color, Varietal and Year
2. The user shall select: Year

3. The system shall display to the user 5 ranges to choose from

4. The user shall select: one range from the list

5. The system shall take the users selection (a specific year) and return a wine that matches that specification.  The system will display to the user: the wine name, color, varietal, year and review of the wine

## Alternate Paths:

None

# Use Case #6:  Wine Pairings

## Description:
This use case outlines the ability for the user to be recommended a wine that goes with a specific food item (See Terms)

## Actors:
The Phone User

## Desired Outcome:
The user shall be suggested a wine that goes with a specific food item that they have indicated

## User Goals:
The user wants to be suggested a wine that pairs nicely with the food item they indicated

## Dependent Use Cases:
None

## Involved Requirements:
SR 06 (Wine Pairings)

## Details:
Priority – 1
Progress Status – Completed
Test Phase –Completed

## Pre-Conditions:
The user shall be on the 'Eat' page

## Post-Conditions:
The system shall suggest a wine that goes with the specific food item the user had indicated

## Trigger:
The user is seeking a wine that pairs with the specific food item they are eating so they shall select the "Wine Pairings" button from the eat page

## Workflow:
1. The user shall select the 'Wine Pairing" button
2. The system shall display to the user different  food items: Cured Meat, Red Meat, White
   Meat, Rich Fish, Fish, Bread, Roasted Vegetables, Vegetables, and Sweets

3. The user shall select one food item from the list

4. The system shall return a wine that pairs nicely with the specific food item the user selected

<u>**Alternate Paths:**</u>

None

# Use Case #7: Recipes

## Description:
This use case outlines the ability for the user to view different recipes, based on a type of dish (See Terms), that uses wine as an ingredient

## Actors:
The Phone User

## Desired Outcome:
The user shall be suggested a specific recipe that satisfies both the type of dish the user selected and also the recipe incorporates wine as an ingredient

## User Goals:
The user wants to view a recipe that satisfies the type of dish they want to cook and also that the recipe incorporates wine into the dish

## Dependent Use Cases:
None

## Involved Requirements:
SR 07 (Recipes)

## Details:
Priority – 0
Progress Status – Completed
Test Phase – Completed

## Pre-Conditions:
The user shall be on the 'Eat' page

## Post-Conditions:
The system shall be recommend and displayed a recipe that satisfies the type of dish the user wanted and also uses wine as an ingredient

## Trigger:
The user is seeking a recipe that involves cooking with wine and they have in mind a type of dish they want to cook so they shall select the "Recipes" button from the Eat page

## Workflow:

1. The user shall select the 'Recipes' button
2. The system shall display to the user different types of dishes that the user can make: Red Meat, White Meat, Fish, Starches and Vegetarian
3. The user shall select one of these dishes from the list
4. The system shall display a recipe that satisfies the type of dish the user select and also uses wine as a recipe

## Alternate Paths:

None

# Use Case #8: Give Rating

## Description:
This use case outlines the ability for the user to give a rating of 1-5 'Wine Glasses' (5 being the best) of a specific wine

## Actors:
The Phone User

## Desired Outcome:
The user shall be able to rate their wine on a scale of 1-5 'Wine Glasses' and then be given confirmation that the wine they rated was updated with their rating

## User Goals:
The user wants to rate a wine they have had before

## Dependent Use Cases:
None

## Involved Requirements:
SR 08 (Give Rating)

## Details:
Priority – 1
Progress Status – Completed
Test Phase –Completed

## Pre-Conditions:
The user shall be on the 'Rating' page

## Post-Conditions:
The system shall be updated with the users rating of the specific wine they chose

## Trigger:
The user wants to rate a wine they have had before, therefore they navigation to the 'Rating' page and click on 'Give a Rating'

## Workflow:
1. The user shall select the 'Give a Rating' button
2. The system shall display a list of wines

3. The user shall select one of the wines from the list to rate

4. The system shall display to the user 5 options: 1 Wine Glass, 2 Wine Glasses, 3 Wine Glasses, 4 Wine Glasses, or 5 Wine Glasses. (1-Lowest Rating, 5-Highest Rating)

5. The user shall select one of these rating option

6. The system shall update the rating of that specific wine to what they user inputted

7. The system shall display to the user a thank you message for ratings, a button to rate another wine and an option to view ratings

## Alternate Paths:

*This alternate path works only in the case if no wines have been reviewed yet

1. The user shall select the 'View Ratings' button

2. The system shall display no wines and a button to the user suggesting to them to rate a wine

3. Go to step 2 of the workflow and continue

# Use Case #9: View Ratings

## Description:
This use case outlines the ability for the user to view the rating of wines they have rated.

## Actors:
The Phone User

## Desired Outcome:
The user shall be able to view the ratings of all the wines they have rated.

## User Goals:
The user wants to view the wine ratings

## Dependent Use Cases:
None

## Involved Requirements:
SR 09 (View Rating)

## Details:
Priority – 1
Progress Status – Completed
Test Phase –Completed

## Pre-Conditions:
The user shall be on the 'Rating' page

## Post-Conditions:
The system shall display to the user a list of wine names and their corresponding rating

## Trigger:
The user wants to view the ratings of different wines

## Workflow:
1. The user shall select the 'View Ratings' button
2. The system shall display a list of wines with their corresponding rating next to it

## Alternate Paths:

1. The user shall select 'Give A Rating' button

2. The user shall complete the Use Case 8 Workflow

3. Then the user shall click on 'View Ratings'

# Use Case #10: View Wine Terms

## Description:
This use case outlines the ability for the user to view the list of all common wine terms

## Actors:
The Phone User

## Desired Outcome:
The user shall be able to view the list of wine terms that they can select to choose a definition for

## User Goals:
The user wants to view the list of wine terms to see if a word intrigues them or if they have a specific word in mind they can check if the word is in the list of wine terms

## Dependent Use Cases:
None

## Involved Requirements:
SR 10 (View Wine Terms)

## Details:
Priority – 0
Progress Status – Completed
Test Phase –Completed

## Pre-Conditions:
None

## Post-Conditions:
The system shall display to the user a list of all the wine terms

## Trigger:
The user wants to view the list of wine terms so they press on the 'Terms' tab

## Workflow:
1. The user shall select the 'Terms' tab on the bottom navigation
2. The system shall display a scrollable list of terms to the user
3. The user shall scroll through the list of terms

## Alternate Paths:
None

# Use Case #11: View Definition of Wine Term

**Description:**

This use case outlines the ability for the user to view the definition of a term from the list of wine terms

**Actors:**

The Phone User

**Desired Outcome:**

The user shall be able to view the definition of a wine term from the list of wine terms

**User Goals:**

The user wants to view the list of wine terms to see if a word intrigues them or if they have a specific word in mind they can see if the word is there so they can view the definition for it

**Dependent Use Cases:**

None

**Involved Requirements:**

SR 11 (View Definition of Wine Terms)

**Details:**

Priority – 0

Progress Status – Completed

Test Phase –Completed

**Pre-Conditions:**

UC 9 – View Terms: The user must be on the 'Terms' page

**Post-Conditions:**

The system shall display to the user the definition that goes with the terms they selected

**Trigger:**

The user wants to view the definition of a specific term from the list of wine terms, so they select that term from the list

**Workflow:**

1.The user shall select the wine term they would like to view the definition for

2. The system shall display the definition for the term the user selected

**Alternate Paths:**

None

# Use Case #12: View Random Facts

## Description:
This use case outlines the ability for the user to view random facts about wine

## Actors:
The Phone User

## Desired Outcome:
The user shall be able to view random facts about wine

## User Goals:
The user wants to view random facts about wine

## Dependent Use Cases:
None

## Involved Requirements:
SR 12 (View Random Facts)

## Details:
Priority – 0
Progress Status – Completed
Test Phase –Completed

## Pre-Conditions:
None

## Post-Conditions:
The system shall display to the user a random fact about wine

## Trigger:
The user wants to view random facts about wine so they press on the 'Facts' tab

## Workflow:
1.The user shall press on 'Facts'

2. The system shall display a random fact

3. If they user wants to be displayed another random fact, they will press the man on the screen

4. The system will generate a random fact each time the man on the screen is pressed

**Alternate Paths:**

None

# Use Case #13: Get Help

**Description:**

This use case outlines the ability for the user to get help on how to use Wine-Know

**Actors:**

The Phone User

**Desired Outcome:**

The user shall be able to get help on how to use Wine-Know

**User Goals:**

The user wants to get help on how to use Wine-Know

**Dependent Use Cases:**

None

**Involved Requirements:**

SR 13 (Get help)

**Details:**

Priority – 0

Progress Status – Completed

Test Phase –Completed

**Pre-Conditions:**

None

**Post-Conditions:**

The system shall display a help sheet that describes in more detail what 'Sip', 'Terms', 'Rate', 'Facts' and 'Eat' refer to

**Trigger:**

The user wants help on how to use Wine-Know so they press on the help button

**Workflow:**

1.The user, from any page they are on, shall press the help button

2. The system shall display a help page that describes in more detail the functionality of Wine-Know

3. Once the user is done reading the help page, they can exit out of the help page by pressing the exit button

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4. The system shall remove the help page from the screen and return the user to the home screen

**<u>Alternate Paths:</u>**

None

# Use Case #14: Go Home

## Description:
This use case outlines the ability for the user to return to the home page

## Actors:
The Phone User

## Desired Outcome:
The user shall be able to return to the home page

## User Goals:
The user wants to return to the home page

## Dependent Use Cases:
None

## Involved Requirements:
SR 14 (Go Home)

## Details:
Priority – 0
Progress Status – Completed
Test Phase –Completed

## Pre-Conditions:
None

## Post-Conditions:
The system shall return the user to the home page

## Trigger:
The user wants to return to the home page so they press on the home button

## Workflow:
1.The user, from any page they are on, shall press the home button
2. The system shall return the user to the home page

## Alternate Paths:
None