

# Wine Manager

5th December 2019

## OVERVIEW

Wine Manager is an organizational solution for wine collectors. It allows the user to visualize and search their wine collection(s) without having to physically go look. It makes being a collector easier to enjoy.

## GOALS

1. Visualize wine storage in an appealing manner, indicating full and empty spaces
2. Display wine location based off of search results, or indicate no wine is available
3. Display wine details on selection of a slot in a wine storage, includes origin, varietal, taste profile, \*isUserFavorite
4. Add / Remove user's wine from storage
5. Display list of favorite wines and current quantity
6. Create / Delete user's wine storage locations
7. Be mobile friendly: responsive design

## FUTURE GOALS

1. Web scraper to seed Wine database
2. Enable grid layout within multiple shapes - hexagon, circle, rectangle, etc.
  - a. Grid recognition from image
  - b. Enable user click and drag within shape to create grid underlay
3. Integrate LED light hardware with app
  - a. Lights illuminate based on user search results, physically identifying where bottles are in storage location
4. Integrate image scan with app
  - a. Allow user to scan barcode to search for wine in database
  - b. Allow user to scan image to search for wine in database

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## PHASES & TARGETS

## COMPLETE

### Define

By Sun 8-Dec

Identify the following solution paths:

Open

- Hosting database - Firebase (FirebaseDatabase.net), Azure, etc
- Front-end technology - Razor, React, JQuery, etc
- Finalize project concept

### Plan

By Sun 8-Dec

Create outline of schedule and specific objective milestones

Open

### Design

By Tues  
10-Dec

Wireframe concept views: consider computer, tablet, iPhone viewports

Design data models & data flow

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### Develop

By Tue 17-Dec

Develop:

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- Front-end views of wine location (1)
- Back-end logic for wine data storage
- Authentication
- Hosting

### Test

By Tue 17-Dec

Complete:

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- Unit testing of major logic functions
- User testing of front-end

### Deploy

By Thur 19-Dec

Host database and website online

Open

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## STRUCTURE

The purpose of this section is to provide general concepts for the views and functions of the Wine Manager app. The (\*) indicates future considerations.

1. Login page:
  - a. WineManager Logo
  - b. Text fields for user name and password
  - c. Login & Registration buttons
  - d. About link?
2. Home page:
  - a. Display username & WineManager logo (header?)
  - b. Link to account details page
  - c. List of links for existing wine locations
  - d. List of favorite wines w/ storage location name ⇒ goes to wine detail display
3. Account page:
  - a. Password reset
  - b. \*Settings (useLights y/n)
4. Wine Location page:
  - a. Display location name
  - b. Display representation of storage using grid
  - c. Identify empty and full slots in storage
5. Wine Detail page:
  - a. ⇒ Display changes based on viewport size:
    - i. Computer or tablet: display as sidebar
    - ii. Mobile: display as entire screen with added link to highlight in wine location view
  - b. Display wine name
  - c. Display wine details: varietal, origin, tasting profile, etc
  - d. Display current storage location(s)