Team MongoMongo Project Description

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WineBottles

Project Summary :

‘WineBottles’ is a web page tool to find out the perfect wine that matches the user's preferences. Different production wineries, countries, acidity, etc. are all different ingredients that define wines. Our users will be able to filter out and narrow down to specific wines, which includes review from a wine tester and user ratings. Users will also be able to write a rating to their choices. Our project will be based on wine data retrieved from Kaggle, through the usage of Google Cloud Platform and MySQL.

Description :

Wine is one of the categories that highly depend on various components, which leads to difficult choices. Oftentimes, people make mistakes on their choices due to insufficient information provided. Even the price matters. Ranging from 10 dollars to more than 100 dollars, wine is definitely not considered a cheap alcoholic. When a person fails to select the ideal wine for him or herself, they will be wasting a decent amount of money.

‘WineBottles’ allows a user to select countries, points, prices, and variety to narrow down wine choices that match the user’s preferences. After a user gets their choices of wines, they can view ratings from other users and even detailed reviews commented by wine testers. Through our project, people will be able to make easier wine selections.

Usefulness :

There currently exists mobile applications such as ‘Vivino’, which give information about a specific wine. The application makes users type in a wine name or take a picture of the drink and shows detailed information about the wine. The limitation about such a tool is that users will have to search items one by one. However, our project allows users to narrow down wine choices first hand so that users do not have to search on wines one by one.

Realness :

The data we are using for our website is from the Kaggle Dataset. This data was extracted from the WineEnthusiast.com. In the retrieved CSV file, 14 columns (Wine number, description, designation, wine name, etc.) are listed. In addition, as the wine tester’s name and Twitter information is specified, our data is confirmed for realness.

Functionality :

Data Storage

The data for our website will be stored on a MySQL cloud database hosted on the Google Cloud Platform. 5 entities will be created to store the data: Wine, FilterData, Tester, Rating, and User. These entities will be specified into different relationships to demonstrate the functionality of our website

Web Application

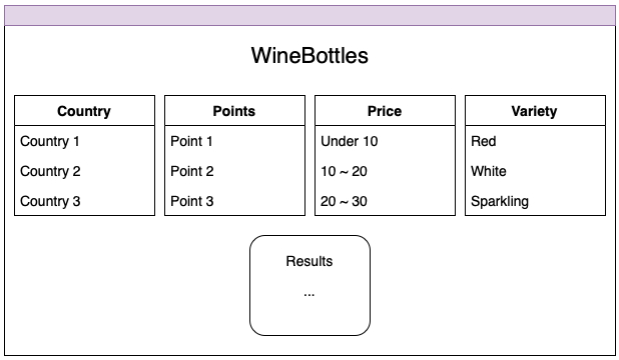
The major function of our project will be the wine search. Users will be able to filter out wine selections with different choices of categories. In addition, when a specific wine is chosen, users will be able to find reviews from authorized wine testers and information about the tester. Finally, the wine information also includes ratings from the users, which can be updated by user inputs.

Creativity

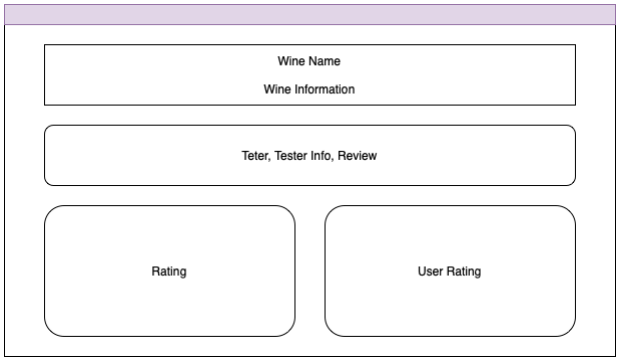
The main creativity added to our web tool is the filtration of wine choices. With more than five criteria, users can view various wine choices with detailed information.

User Interface Mockup :

Home Page



Wine Information Page



Project Work Distribution :

Team Member	***Work Distribution***
yoonjae3	Project Manager, Data Acquisitions, Front-End Design
chanmin2	Category Filtration, Tester Review
jylim3	Ratings, User Interface Implementation