Team Name: Team E!

Team Members: Willie Chew, Dillon Elliott, Luke Zahorik, Shane Kirkley, Batool Alghamdi

https://github.com/lukezahorik
https://github.com/shane-kirkley
https://github.com/williewlchew
https://github.com/DjRoxer
https://github.com/baal9627

Description:

Website named Tipsybuffs that recommends cocktails based on preference or ingredients on hand. The website will ask users for their preferences in the types of drinks that they like and will use the information to recommend drinks. Drinks will have certain attributes such as sweetness or alcohol level. These attributes will be matched with the descriptions that the user gave the website to find a list of drinks that the website will recommend. The attributes associated with the drinks could also describe ingredients needed for the drinks. Users could enter the ingredients they have on hand, and the website could recommend recipes that utilize the ingredients that the users inputted.

We will initially use recipes from other websites to populate our database. The option for users to post their own recipes into our database is available and encouraged. We intend on users to share their own recipes and review other users' recipes using Tipsybuffs.

Vision Statement: We aspire to assist the novice home bartender create stellar tasting cocktails, all with only what they have at home.

Motivation: By educating the novice drinker of proper drinking portions and habits. This product will also have a large database for recipes thus making it easier to find a good drink with the ingredients the client has available without making beginners mistakes of mixing non desirable ingredients .

Risks:
- All members are not super confident in making websites
- Group unsure on how to get access to recipes
- Legality in open source usage
- Getting a website domain
- Unforeseen Setbacks

Risk Mitigation Plan:
- Open source databases online for drinks, such as the following projects:
  - https://www.thecocktaildb.com/api.php
  - We are expecting to each gain this experience throughout the semester in CSCI 3308 Software Development.
  - Each team member will share new found knowledge at the beginning of each meeting and they will be listed in the meetings minutes.
- One member of the team will be assigned of researching different app development case laws. They familiar themself with common lawsuits and what to avoid. They will also be responsible with developing the Terms of Use and Privacy. Lastly this individual should become familiar with the processes of patenting the teams design if needed.
- The team will dedicate a design to generate recipes-(either we will have to develop all of our own recipes and build our own database or use an open source that already lists recipes).
- Google offers domains for a yearly fee. CU can give us a domain to use. One member of the team already owns a domain which we can use.
- The team will alligate deadlines for each prototype and leave sometime between each in the case we are set back due to some unforeseen issue. We should strive to move each of our projected deadlines up to insure larger time to address more issue during the development of our product. Make a gantt chart for each task and each prototype.

Version Control:
Git:
- Milestone Repository: https://github.com/DjRoxer/Milestone.git
- Minute Logs: https://github.com/DjRoxer/MinutesLogs.git
- Code: https://github.com/DjRoxer/CodeCSCI3308Fall2018.git

Development Method:
Agile/scrum: This development methods works well with programming projects. Making a simple prototype and testing it will lead to the next prototype and test. There may be 3 or four prototypes before the final release of the product.

Collaboration Tool:
Slack, Google Drive, Hangouts

Proposed Architecture:

The front end of the website will be managed by Wordpress. The back end of the website will be made up of code that the team will write and an SQL engine to manage the database. Hosting the website will be done by either Horuku or whichever web service will cost us the least.