**What was our focus on our theme and how did we show that through the data and webpage?**

We wanted to create a web app that involved food and information for the users to not only interact with but leave with a valuable experience. So what’s the value you get from visiting the webpage? Informational content, one of our goals, when creating this website, was to have every visitor come with a question of what they want to eat but as they scroll they will be encouraged to “explore” and add on with wine products

Customization with recipes with how specific you want with the food and wine combinations; the draw is you don’t have to search through websites to come up with an idea for your meal, this web app will cut the time significantly

**What was our coding approach, why did we choose [database creator] and what data mining techniques?**

Our coding approach was first to extract the JSON files through API calls and import the JSON into Pandas. From that point we created our tables and then converting the JSON into a CSV file.

**Why did we choose the visualization for each webpage? What aesthetics were we trying to go for along with the data?**

**Challenges**

clearing out html tables

API calls, was a cost to figure out the best kind of calls and we were limited because of cost

We had to manually build a list of viable input items because the API we were using wasn’t robust enough to accept all kinds input.

Integrating webpages – 4 webpages and figuring out how to properly link HTML, CSS and JS files appropriately.

Handling multiple form inputs on one page

Multiple routes

Handling what to do when a user’s input does not return any results

Structuring the tables because the text was too much for the structuring and styling of tables.

Passing variables from flask to D3

Accessing the same variables from different routes.

Marcus:

D3 had constraint 10 error code, possible version of library wasn’t communicating with server. Force Functions were also not executing because of outdated version, var force error, for center, collision, mini body; the force collide prevents them from overlapping and force center brings them to the center. Collision detections are very complex. Approaching D3 with minimal knowledge for complex functions and other technical troubleshooting in terms of connection.

Conclusion

In conclusion learning about web development and being able to design your own

personal webpage can be beneficial but its a lot of work. The planning, designing,

testing and development was especially crucial for this project. Also, the complexity

of integrating various applications such as html, js, css, and flask was decidedly

challenging.

Make the web app more robust

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Allowing user profiles

•

Quicker retrieval of recipes

Overall, I think we did a great job on the project with having to collaborate and

piece together all the parts. We now have a great appreciation for webpages and

the work that goes into the design that we once took for granted.

Cited Sources

Skillet image:

<https://www.visitcalifornia.com/sites/default/files/styles/welcome_image/public/VC_NewGoldRush_ChefsTables_NNaka_Supplied_nnakaA5WagyuBeefSteak_ZenSekizawa_1280x640.jpg>

Sliders Image:

<http://thechefstablerocklin.com/wp-content/uploads/2017/04/5G3A0615-1.jpg>

Wine and Cheese Image:

<https://i.pinimg.com/originals/01/03/2f/01032faae255329d8e19b76783c362ed.jpg>

Steak Board Image:

<https://www.vox.com/future-perfect/2019/2/22/18235189/lab-grown-meat-cultured-environment-climate-change>

Wine Image:

<https://www.medicalnewstoday.com/content/images/articles/321/321028/a-glass-of-red-wine.jpg>