Student: Tyler Piercey 20022922 Course: Advanced Python

**Cookbook Web App Project Plan:**

**Description of the web app:**

**Page listing and descriptions:**

- Homepage: This is what the user will see upon first entering the web app. There is an introduction and a navigation bar.

- Recipes page: This page will show all the recipes that are currently stored in the associated CSV file. Each recipe card that is created contains an image of the dish, list of ingredients, preparation instructions and the serving instructions.

- New recipe page: This page will load a form for the users to fill out when adding a new recipe. Users will provide an image of the dish, list of ingredients, preparation instructions and the serving instructions.

- Remove recipe page: This page will allow users to remove recipes from the csv file by choosing a recipe name.

- Search for recipe page: On this page the user can search for a recipe by name or by ingredients. When a user clicks the chosen recipe, it brings them back to the recipes page.

**Webpage templates and dynamics:**

- The site uses the base Jinja2 template this includes the main page and the navigation bar. Every page extends the base template and fills in dynamic content. The recipe cards are filled in dynamically from the CSV file and the search results as well.

**Navigation:**

- Navigation will be available on every page which include links to homepage, recipes page, new recipe page, remove recipe page, and search recipe page.

**Rubric level:**

- As always, I would aim to do my absolute best given a rubric to follow. I would be happy with a lower rubric grade if I have learned something from my mistakes along the way.

**Web app technical requirements:**

**Format of CSV file:**

- The CSV file will have columns with the names: Recipe Name, Ingredients, Preparation Instructions, Serving Instructions, filename of image.

**Optional technologies:**

- Flask-WTForms

- Bootstrap

**Deployment plan:**

- Python anywhere will be used for the deployment. I’m also using GitHub for version control.

**Static files:**

- Html

- CSS

- Image files

- JavaScript

- Bootstrap files

**Additional resources:**

- Flask tutorial <https://www.tutorialspoint.com/flask/index.htm>

- Panda’s course <https://www.linkedin.com/learning/pandas-essential-training/welcome?u=27766394>

- Flask course <https://www.linkedin.com/learning/flask-essential-training/web-development-with-flask?u=27766394>

- Flask tutorial <https://blog.miguelgrinberg.com/post/the-flask-mega-tutorial-part-i-hello-world>