CP1895 Advanced Python – Project Plan

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**Application Description**

My web app will consist of the following pages:

1. A home page

- Will introduce the application as well as have links to the add, delete, and search pages.

2. An add recipe page

- Will have forms for filling out information about the recipe being added including an image of the recipe, list of ingredients, serving size, and preparation instructions.

3. A delete recipe page

- Will be able to select a recipe to remove from the application.

4. A search recipe page

- Will allow a user to search a recipe based on name / ingredients.

5. A display recipe page

- Will display all details about the selected recipe from the search recipe page.

All pages of the application will be based off of the initializr templates for appearances, while the search, delete, and display pages will be dynamic as they will change depending on the recipes that have been added.

All pages will have links to the home page, add recipe page, delete recipe page, and search recipe page. The display recipe page will only be viewed after selecting it from the search recipe page.

The aim is to get a grade in the 90 – 100 % grade range of the rubric.

**Technical requirements**

The CSV file format will be:

[recipe\_name(StringField), recipe\_img(FileField), recipe\_ingredients(TextAreaField), recipe\_serving(StringField), recipe\_instruct(TextAreaField)]

I currently have no plans to include any optional technologies and will primary stick with Flask and Pandas, however I will keep an open mind as the project is developed and may include other technologies if I feel they are a good fit for the direction the project is going.

My deployment plans are to have a working prototype finished by the end of this week, August 5th, with a complete build by the following week.

I currently have no plans for any static files for the web app, and will be coding the HTML, and CSS myself. The only images planned for use are those of the recipes that will be added.

**Additional Resources:**

Digital Ocean Flask Tutorial:

https://www.digitalocean.com/community/tutorials/how-to-make-a-web-application-using-flask-in-python-3

Full Stack Python Flask Example Projects:

https://www.fullstackpython.com/flask-code-examples.html

Tech With Tim Python Website Full Tutorial – Flask, Authentication, Databases & More:

https://www.youtube.com/watch?v=dam0GPOAvVI