Individual Weekly Report for Ayush Mehta

AI Powered Cooking Assistant Web App

August 11, 2025

# Accomplishments

* Added new features:
  + Serving size for the recipe
  + Dietary preferences prompt box
  + Random ingredients suggestions
* Updated the frontend for recipe suggestion to make the instructions look clear
* Added a disclaimer that recipe was generated using AI and please check the instructions properly before following them.

# Weekly Activities

| Activity / Task / Work | Hours | Status |
| --- | --- | --- |
| Worked on weekly report 7 | 1 | Complete |
| Work on project:   * Worked on adding dietary preferences prompt so user can receive the customizable recipe. Updated the backend to add the input from user with AI prompt * Worked on adding serving size so user can get recipe suggestions according to the number of people in the home. * Added a new feature of generating random ingredients to inspire the users. * Updated the frontend for recipe suggestions. Now user can see what they initially input for ingredients, serving size and dietary preferences. They have the option to go back and change those inputs and request a new recipe. * Added a disclaimer to warn users that the recipes are generated using AI. * Learned how to create Postgre SQL on Google cloud. Enabled the Google database through the project that I am using for Google Vision API. | 27 | In progress |
| Finished on the career assignments – “Build LinkedIn professional network” | 1 | Complete |
| Class Time and preparing for slide show | 3.5 |  |
| **Weekly Total** | **32.5** |  |
| Previous Weekly Cumulative Total (Carry Over) | 126 |
| **Current Cumulative Total** | **159.5** |

# Plans for Next Week

| Activity / Task / Work | Est Hours |
| --- | --- |
| Meet with professor | 0.5 |
| Integrate the Google database into the application.  Implement the user authentication  Implement the user settings to save dietary preferences and favorite recipes | 20 |
| Send the update to stakeholders | 2 |

# Response to Feedback

No feedback received or given this week.

# Other Reflections

This week was very productive. I completed everything I had planned. I found a helpful API called OpenFoodFacts, which offers many features. I am using it to check if ingredients are valid and to suggest autocompleting options as the user types in ingredients. Next, I plan to integrate a Google database, learn how to create tables, and add user authentication to my app.

# Comments, Issues, Notes, Anything Else?

No comments or issues as of now.

# Evidence of Work

Below is the screenshot of the autocompletion and wrong input feature.  
  
A screenshot of a chat

AI-generated content may be incorrect.

A screenshot of a chat

AI-generated content may be incorrect.

Below is the screenshot of the code for above features.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.