Subject: Progress Update on **AJ kitchen** Web Project

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I hope you are doing well. Here's a detailed progress report on the AJ Kitchen Web Project.

GitHub Collaboration:

As a team, we effectively collaborated using GitHub for version control and project management. Each team member was assigned specific tasks, and we pushed our individual work to the repository to ensure smooth progress.

GitHub allowed us to track changes, manage issues, and review pull requests efficiently, ensuring that the project was well-organized and everyone's contributions were well-integrated.

Repo Link: https://github.com/alishaayyyy/AJ-project

Deploy Link: https://alishaayyyy.github.io/AJ-project/

Compulsory Features Implemented:

1. Login/Signup System:

We have successfully implemented secure login/signup functionality using Firebase Authentication.

Integrated Google Login for a smooth and quick sign-in process.

2. Logout Feature:

A secure logout option is available, allowing users to sign out of their accounts safely.

3. Forgot Password:

Users can reset their passwords through an email recovery system powered by Firebase's password reset functionality.

4. Recipe Management:

Add Recipe: Users can add new recipes by providing the recipe name, description, ingredients, cooking steps, instructions.

View Recipes: Recipes are displayed in a grid view with details such as recipe name, image, category. Infinite scroll is enabled to load more recipes.

Recipe Details: Each recipe has a detailed page displaying the full recipe information and an option to like or mark it as a favorite.

Edit/Delete Recipe: Only the user who added a recipe can edit or delete it. We've also implemented the functionality to update the recipe details.

Delete Recipe: Recipes can be deleted from Firestore.

5. Search and Filter:

Users can search for recipes by:

1. Recipe Name

2. Ingredients

3. There is also a filter option to sort recipes by category (e.g., Vegetarian, Non-Vegetarian, Desserts, etc.).

6. Favorite Recipes:

Users can mark recipes as "Favorites," and all favorited recipes will appear in a "My Favorites" section for easy access.

Optional Features Implemented:

1. Rating System:

We have implemented a rating system where users can rate recipes using stars or a numerical scale.

2. Comments Section:

A comments section has been added to home page, allowing users to leave feedback or share tips with the community.

Integration of Spoonacular Food API:

For enhancing the recipe search and providing richer content, we utilized the Spoonacular Food API. This API allows us to:

Search for Recipes: We integrated the API to provide a more extensive range of recipes that users can explore. Users can search for recipes based on ingredients, cuisine, and diet.

Fetch Recipe Details: The API provides detailed information about each recipe, including ingredients, preparation steps, and nutritional data.

The Spoonacular Food API greatly enhanced the content of our platform and made recipe management more dynamic and engaging for the users.

Technologies and Tools Used:

Firebase Authentication for managing user login/signup and password recovery.

Firestore for storing user and recipe data.

We have successfully implemented all compulsory features, and the optional features are now live as well. We are continuing to refine the project, and your feedback will be highly appreciated.