Project plan

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Content

Introduction

Introducing a game-changer for meal planning! This project simplifies your dining decisions by creating tasty recipes from ingredients in your kitchen. Easily update your digital fridge daily to match your real one. Plus, when an item's missing, we help you add it to your shopping list. Get ready for mealtime made easy and exciting!

1. Client & Team

My clients are Olga Makoveeva, Mieke Vucht and Sachin Bhardwaj. They are presenting Fontys University of Applied Science.

This team is represented by only one person (me – Stanislav Nikolov) and I can be contacted by email – 507486@student.fontys.nl

2. Current situation

In my observations and personal experiences, I've noticed that many people often find themselves unsure about what to cook, which can lead to anxiety when trying to create a satisfying meal with the ingredients at hand. This is where my application steps in to revolutionize meal planning. Today, I am changing the game. The system not only generates recipes based on your available kitchen ingredients but also ensures your digital fridge is always current. Furthermore, it assists you in conveniently adding any missing items to your shopping list.

3. Problem description

Many individuals frequently struggle with meal planning due to uncertainty about what to cook with the ingredients they have, resulting in mealtime stress. Additionally, keeping track of their kitchen inventory and managing grocery lists can become cumbersome and time-consuming.

4. Project goal

The primary goal of this project is to streamline and simplify the meal planning process for users, helping them easily decide what to cook with the ingredients they have on hand, while also providing a convenient way to manage their kitchen inventory and shopping lists.

5. Deliverables

I am supplying this company with:

Both Application will have:

1. **User-Friendly Application:** A user-friendly software application that allows users to input their available ingredients and receive customized recipe suggestions.

2. **Digital Fridge Integration:** Integration of a digital fridge feature within the application, enabling users to maintain an up-to-date inventory of their kitchen supplies.

3. **User Documentation:** Comprehensive user documentation to guide users on how to effectively utilize the application.

WEB Application:

1. **Recipe Generation Algorithm:** Development of a robust recipe generation algorithm that analyzes available ingredients and offers a variety of meal options.
2. **Shopping List Functionality:** Implementation of a shopping list feature that automatically adds missing ingredients from selected recipes.

DESKTOP Application:

1. **Product Creation:** Administrators will have the capability to add products to the system's database. Users will then be able to view the current list of available products.
2. **Recipe Creation:** Admins will be able to create the recipes that user will be suggested to make.

6. Non-Deliverables

We are not supplying this company with:

1. **User Support:** Provision for user support, such as FAQs or a help center, to assist users with any queries or issues.

2. **Regular Updates:** Plans for ongoing updates and improvements to enhance user experience and functionality.

3. **Physical Products**: This project does not involve the development or delivery of any physical products, such as kitchen appliances or gadgets.

4. **Cooking Services**: The project does not offer cooking or meal preparation services. It provides tools and recommendations for users to cook on their own.

5. **Grocery Delivery:** The project does not include a service for delivering groceries to users. It assists in generating shopping lists but does not handle the actual shopping or delivery process.

7.Constraints

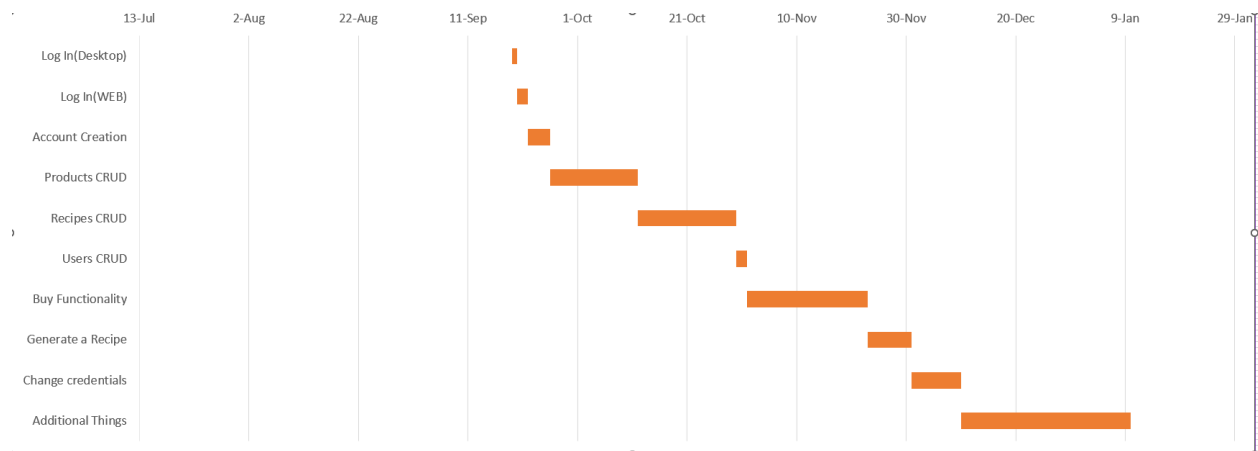I am limited to the coming constraints:

- The project should be finished till the deadline, week 16th 2024.
- The project should be in C# and Razor Pages .NET Core and MYSQL as a database.

8.Features

 - digital fridge where you will be able to see all your products that you can cook with, any time of the day

 - be able to choose from a big variety of recipes and see the products that you will need. For example the products that you have will be in normal colour but the ones that you do not have will be in red.

- be able to buy products online (when check out is successful the product will appear at user's fridge)

9. Phasing

- If you want it to be bigger, please use (ctrl +)