Recipe Sharing and Meal Planning Application

Description:

Recipe sharing and meal planning application that allows users to discover new recipes, save their favorite dishes, plan their meals for the week, and generate shopping lists.

Key Features:

User Registration and Authentication: Allow users to register accounts and securely log in to access recipe collections and meal planning features.

Recipe Database: Build a comprehensive database of recipes with details such as ingredients, instructions, cooking time, and nutritional information.

Recipe Search and Discovery: Enable users to search for recipes based on keywords, ingredients, dietary preferences, or cuisine types, with options to filter by difficulty level or cooking time.

Meal Planning: Provide tools for users to plan their meals for the week by selecting recipes and assigning them to specific days, with options to customize serving sizes and portions.

Shopping List Generation: Automatically generate a shopping list based on the recipes selected for meal planning, allowing users to easily shop for ingredients.

User Recipe Collections: Allow users to save and organize their favorite recipes into collections, such as breakfast ideas, quick meals, or special occasions.

Social Features: Incorporate social features such as liking, commenting, and sharing recipes with friends and family, as well as following other users' recipe collections.

Cross-Platform Compatibility: Develop the application to work on both web browsers and Windows Forms for desktop users.

Nutrition Analysis: Integrate a nutrition analysis feature that provides users with detailed information on the nutritional content of recipes, including calories, macronutrients, and vitamins.

Customization Options: Allow users to customize their profile settings, dietary preferences, and meal planning preferences according to their needs.

Technologies:

Backend: ASP.NET Core for the web application.

Frontend (Web): HTML, CSS Razor c#

Frontend (Windows Form): C# and WinForms.

Database: Store recipe data, user profiles, and meal planning information in a relational database like SQL Server.

API Integration: Utilize APIs for nutrition analysis, recipe search, and ingredient databases.

Challenges:

Designing an intuitive and visually appealing interface for browsing recipes, planning meals, and generating shopping lists.

Integrating with external APIs for recipe search, nutrition analysis, and ingredient databases to provide users with accurate and up-to-date information.

Implementing synchronization of recipe collections, meal plans, and shopping lists between the web and desktop versions of the application.

Handling edge cases such as dietary restrictions, ingredient substitutions, and user feedback on recipe recommendations.

Benefits:

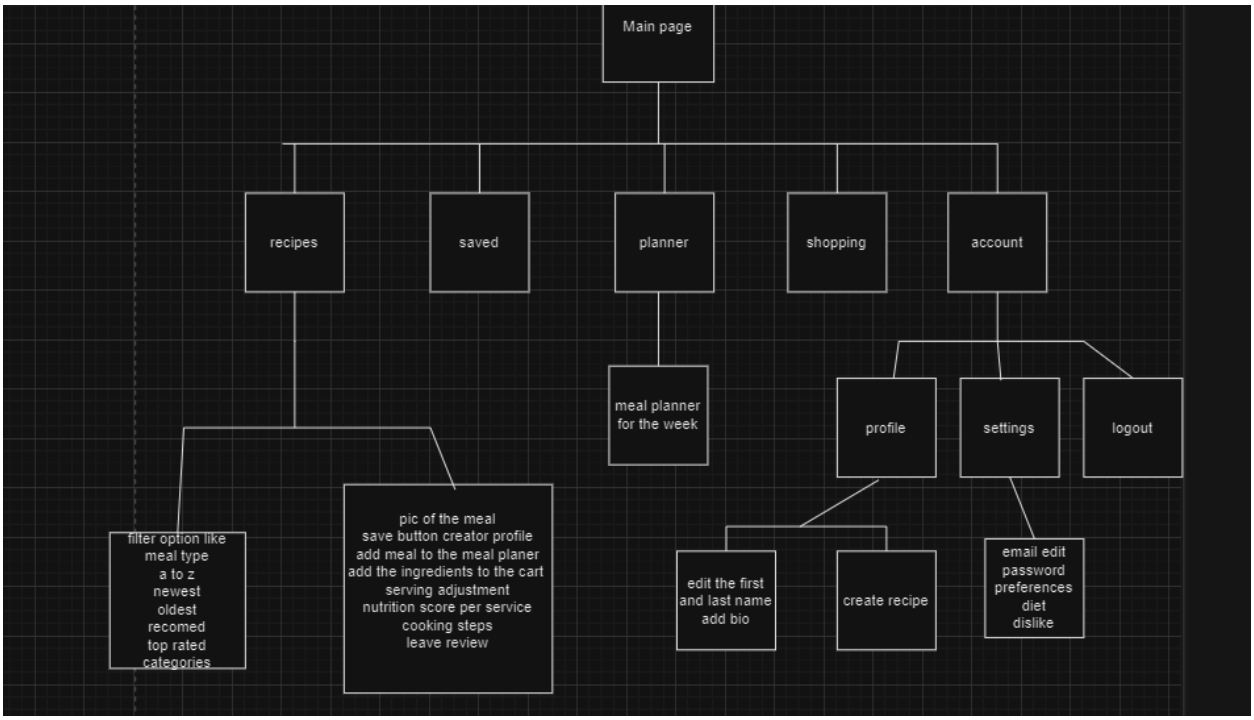
Provides users with a convenient and centralized platform for discovering new recipes, planning meals, and organizing their cooking routine.

Demonstrates proficiency in developing cross-platform applications and integrating with external APIs and databases.

Offers a valuable resource for individuals and families to streamline meal planning, grocery shopping, and cooking at home.

By developing a recipe sharing and meal planning application with the aforementioned features, you can create a project that caters to users' culinary interests while showcasing your skills in application development and user experience design.

FIGME LINK - https://www.figma.com/file/KHgWs1vQL655oWA9SNRRtZ/Untitled?type=design&node-id=12%3A490&mode=design&t=YpIcMa1HTbjBwtSS-1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pic of the meal
save button creator profile
add meal to the meal planer
add the ingredients to the cart
serving adjustment
nutrition score per service
cooking steps
leave review
edit the first and last name
add bio
create recipe
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