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Recipe sharing application

Project proposal

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Authors declaration of originality

I hereby certify that I am the sole author of this project proposal. All the used materials, references to the literature and the work of others have been referred to. This proposal has not been presented anywhere else.

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1 Introduction

Anyone who needs to cook daily probably knows the frustration of finding the right recipe. The internet might be flooded with options, but searching through all of them is a time-consuming task. You want something that fits your taste, any dietary restrictions you have, your skill level in the kitchen, and what's actually in your fridge. This daily struggle to find inspiration and guidance is something many home cooks face.

The solution to this problem is a recipe sharing app, where users can share their own recipes, as well as view, rate and save other users' recipes. It is also possible to search for recipes by name, ingredient, or category to make it easier to find the perfect recipe.

2 Analysis

The recipe sharing app serves as a platform for users to discover, share, and explore various recipes. It provides a community-driven space where users can contribute their own recipes, discover new culinary ideas, and engage with other cooking enthusiasts.

Key Features:

1. **Recipe Posting and Sharing:**
   - Users can upload and share their own recipes, including details such as ingredients, cooking instructions, preparation time, and serving size.
   - Recipes can be categorized and tagged for easy browsing and discovery.
   - Social sharing features allow users to share recipes with friends and followers on other platforms.

2. **Recipe Discovery:**
   - Search functionality enables users to find recipes by keywords, ingredients, cuisine types, dietary preferences, and more.
   - Filtering and sorting options help users narrow down their search results based on specific criteria.

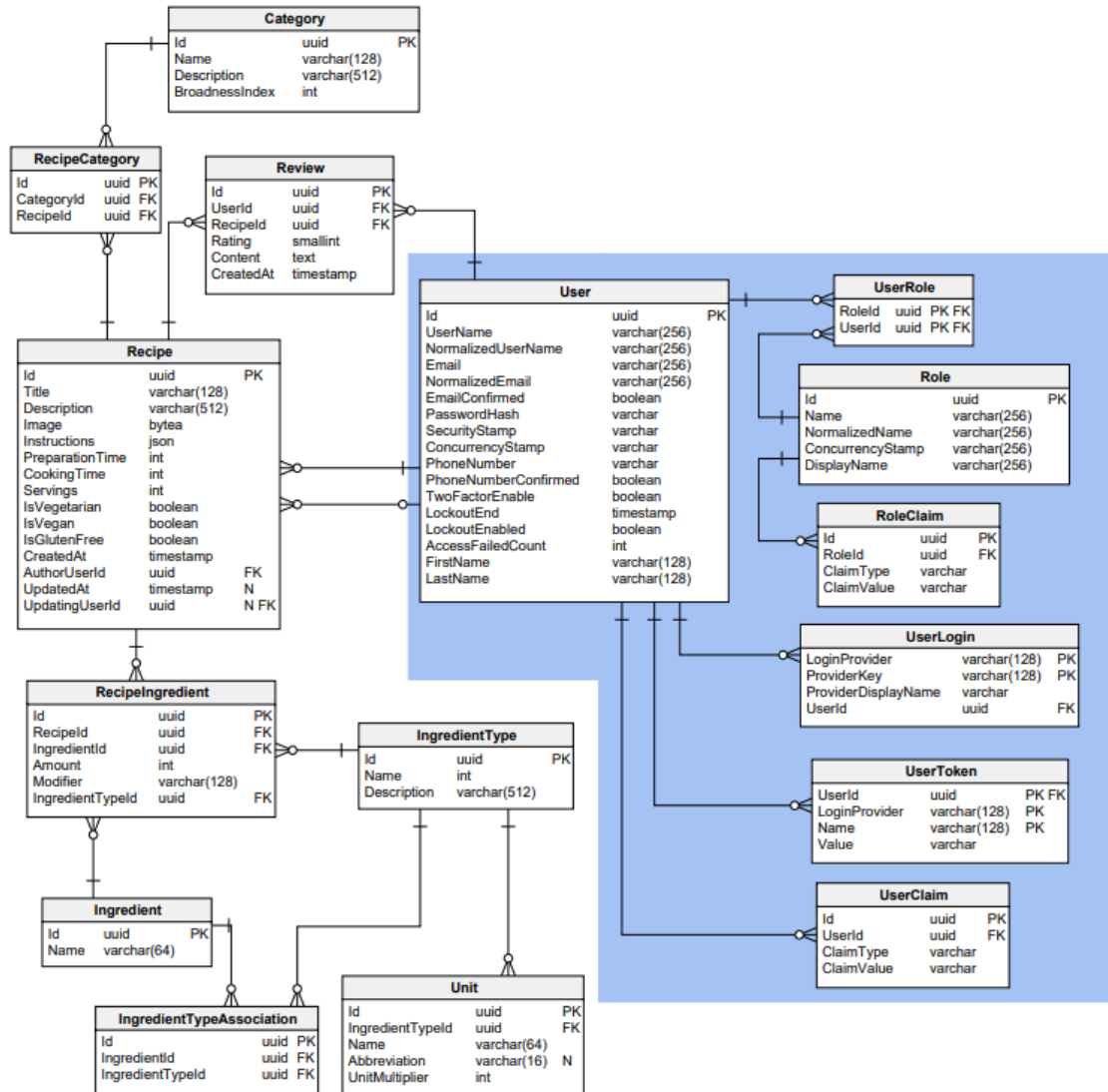3. **User Feedback and Ratings:**
   - Users can rate and review recipes based on their own experiences.
   - Aggregate ratings and reviews help other users make informed decisions when trying out new recipes.

4. **Customizable Units of Measurement:**
   - Users have the option to customize their preferred units of measurement for viewing ingredient amounts.
   - The app supports a variety of measurement units, including metric (e.g., grams, milliliters) and imperial (e.g., ounces, cups) systems.
   - Users can easily switch between different measurement units based on their personal preferences, regional conventions, or dietary requirements, enhancing the accessibility and usability of recipes for a diverse user base.

3 ERD

Tables in the blue area represent the identity system provided by ASP.NET Core.

4 User flow