

QuickRecipe Executive Summary

Rishi Saimshu Reddy Bandi
rishireddy

Application Summary

QuickRecipe is an iOS application that aims to make cooking easier by allowing users to find recipes based on the ingredients they already have. It features an intelligent ingredient recognition system that operates through photo inputs, a dynamic interface for searching recipes, and comprehensive details on each recipe. Additionally, the app provides functionality to maintain shopping lists effortlessly, enhancing user convenience and enriching the overall cooking experience.

Problem Solution

QuickRecipe tackles the common dilemma of figuring out what to cook with the items one has in their pantry or fridge. The app smartly recommends recipes based on these ingredients, thus helping to minimize food waste and streamline meal preparation. In an App Store filled with numerous cooking and lifestyle applications, QuickRecipe distinguishes itself by offering an intuitive solution that promotes both cooking creativity and shopping efficiency, making it an attractive choice for those looking to simplify their culinary tasks.

Technical Overview

From a technical standpoint, QuickRecipe is developed using Swift and incorporates Core ML to enable real-time recognition of ingredients from images uploaded by users. The application is structured around robust features including a sophisticated search interface, comprehensive recipe detail views, and an integrated feature for creating shopping lists. It ensures data is handled efficiently, providing a smooth and responsive experience for users. The app also ensures data privacy by managing the data completely locally.

This document was written with the complete picture of the app in mind. While the app does let the user take a photo to store it as visual for the item on their app, we are yet to incorporate coreML to automatically detect what the photo taken by the user contains.