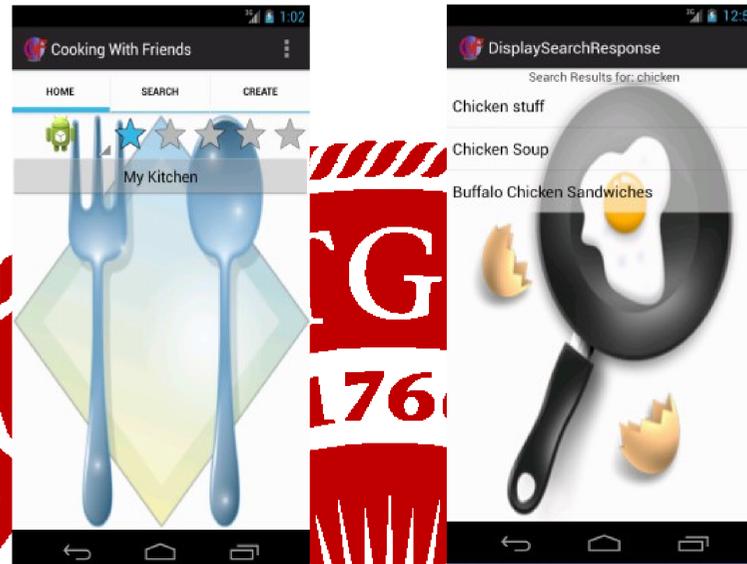


Introduction

Cooking With Friends is an easy-to-use Android app that helps chefs create, find, and share recipes. The app utilizes the networking features of mobile devices to allow users to connect their kitchens to the online world. It also has several features useful to chefs, like an ingredient list and a store of all the users favorite recipes. The app is designed to be very responsive, easy to use, and lightweight, and can be used by first-time cooks and professional chefs alike.

Inside The App



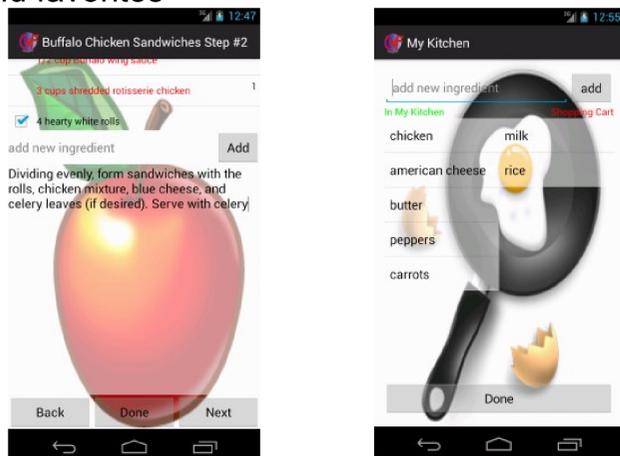
Architecture

Our application uses a client-server architecture to provide access to all of the users information at any time, given an internet connection. The Android client-side application was designed using the Android Development Kit. The app uses JSON-formatted HTTP requests to send data between itself and the web server. The server uses PHP scripts to access a MySQL database for all queries, whether the be recipes, ingredients, or friends.



Features

- Online Search: Search many recipes posted by other app users based on criteria such as recipe author, title, or ingredients
- Recipe Creator: Create recipes with an easy-to-use interface designed specifically for mobile devices, then post the recipe to the internet for others to view and rate
- MyKitchen Tab: Keep track of all the ingredients you currently are in possession, with the ability to update ingredients after purchase/use
- Social Networking: Send friends request to other chefs to have easy access to their created and favorite recipes
- Recommendation Provider: Get recommendations for new recipes based on your "taste profile", which can be compiled based on your preferred ingredients, preferred recipes, or friend favorites



Design

The design of this application was based on being extremely user-friendly, intuitive, and responsive. The UI has been designed with the standard touch-display features for selecting recipes and editing the contents of the users kitchen and wish-list. The application also features an easy-to-use recipe creator that makes adding steps and associating ingredients with each step extremely easy. The recipe viewer displays recipes with step and ingredient lists in separate scrollable lists for ease of viewing.

Future Plans

In the future we plan to expand on the friends system as well as improve the server. We had hoped that the server would be able to handle pictures by the presentation date but as of now it remains a possible future expansion. Other possible improvements include refining the search with more options such as the current MyKitchen items.

