



# Your Kitchen

Ryan Wells, Travis Breyse, Cole Chittim

## Objective

Create a recipe book with customizable timers, tag sorting, and a public database

## Background

This app aims to have a fully customizable recipe book on your phone, while also allowing users to download and share public recipes. Other apps from official sources like the Food Network are highly-rated and have a large user base support but we find the features this app provides interesting and helpful and would use them in our own kitchens.

## Method

What we used to create the app:

- Timers for cooking and baking
- Local database using SQLite for personal recipe storage
- Public database using Google Firebase which allows users to view and download public recipes
- Recipes and ingredients stored and displayed using in RecyclerViews
- Coffee to fuel the developers

## Summary

This app aims to have a fully customizable recipe book on your phone that provides utility beyond that of other apps. Starting with a basic set of recipes, users can then create their own or download the recipes uploaded by other users that are stored on an online database.

Recipes can be given tags such as “breakfast” that eventually will allow them to be sorted. Each recipe is stored as an item that contains all of its relevant information, including but not limited to ingredients, instructions, and associated timers.

Timers can be created from scratch, or directly from a recipe. For example, if a recipe has an instruction “bake for 30 minutes”, then a timer will automatically be made for that recipe and can be started at any time.

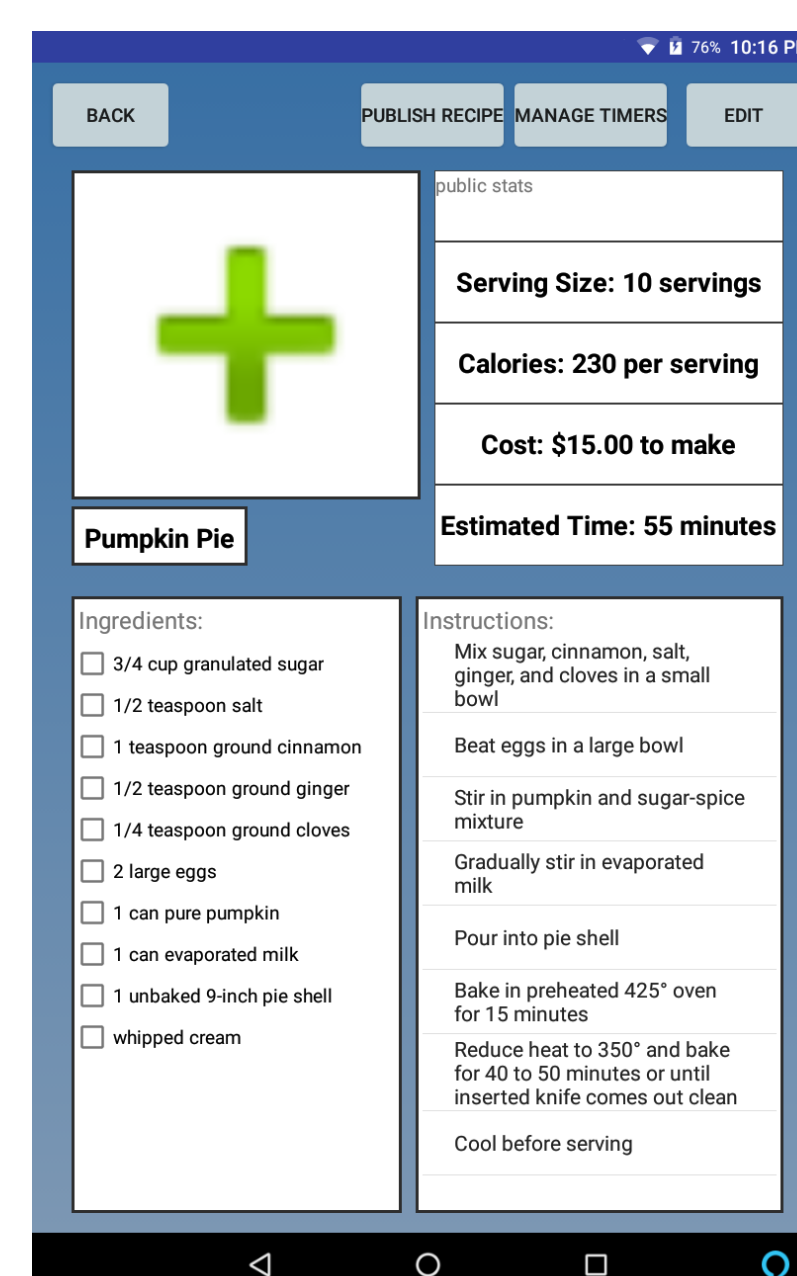


Fig 1: Viewing a recipe

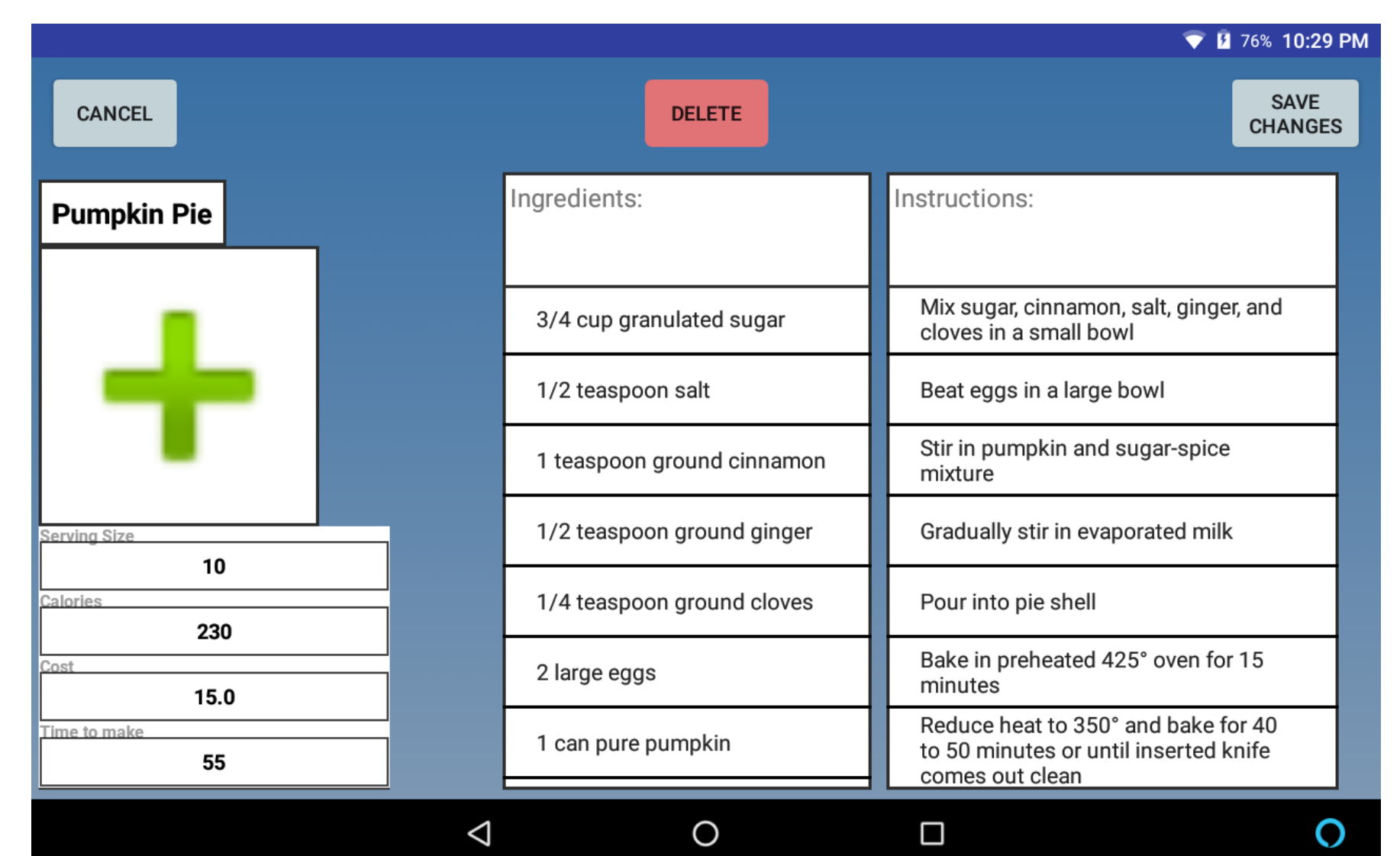


Fig 2: Editing a recipe in landscape

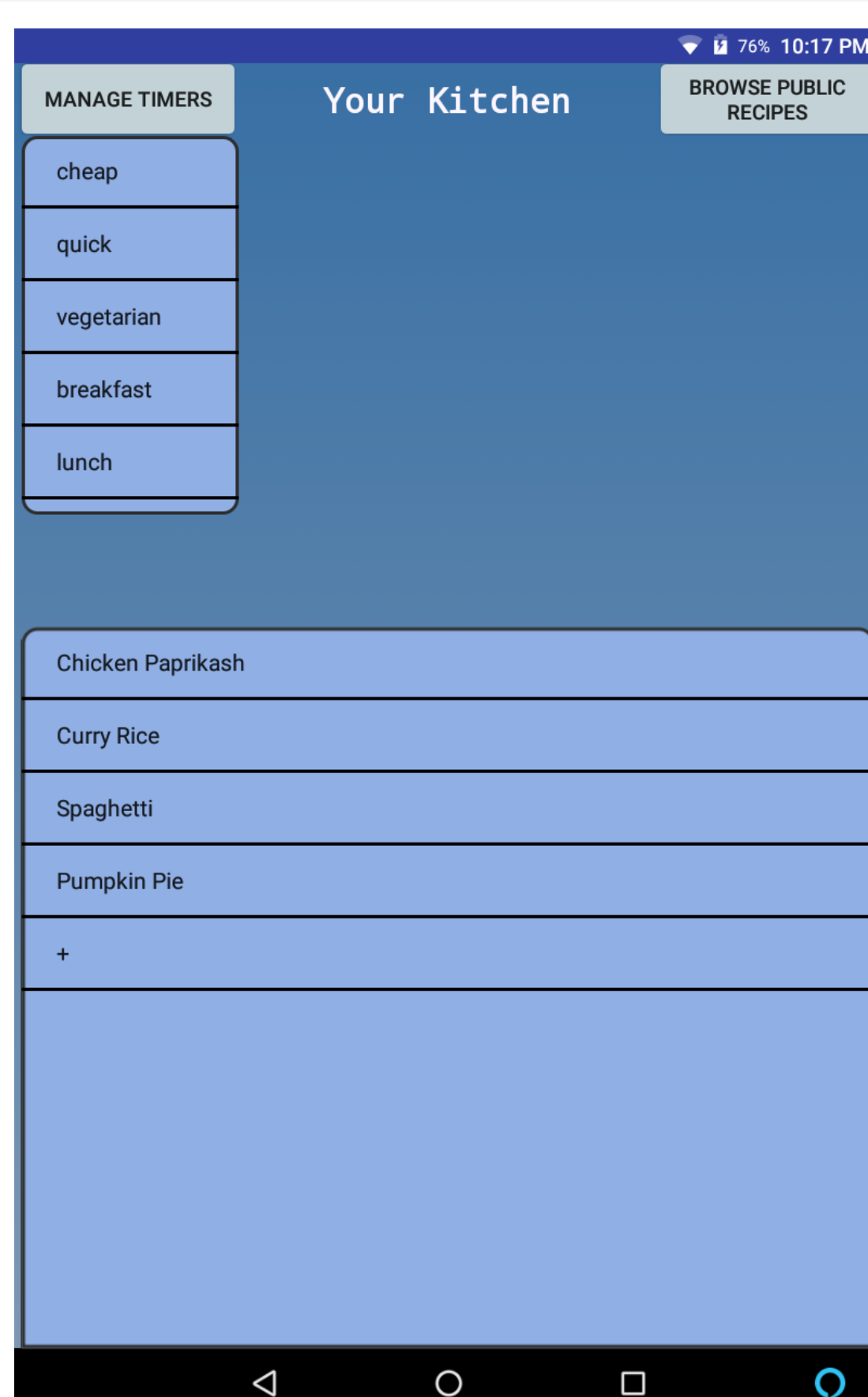


Fig 3: Home screen

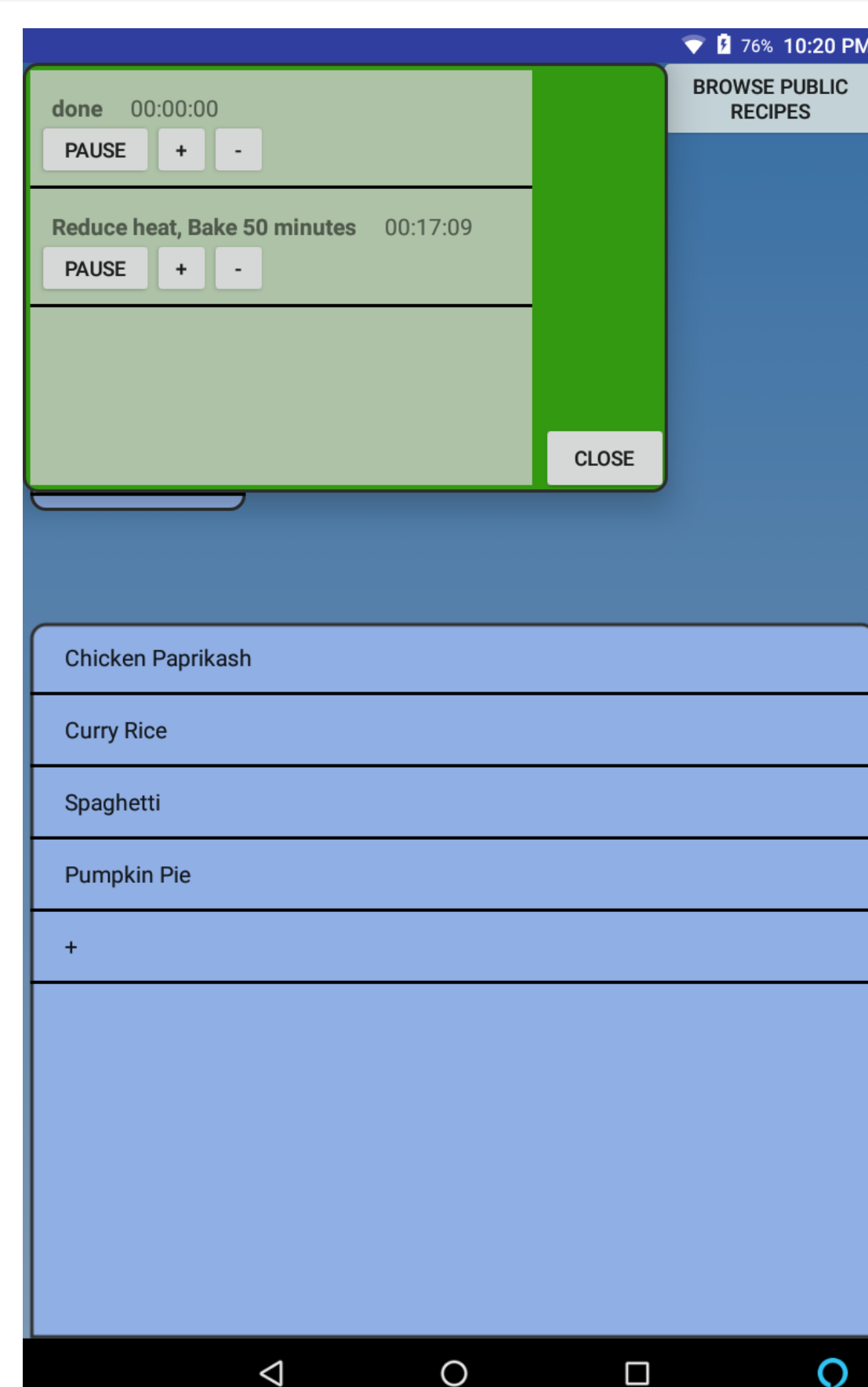


Fig 4: Viewing Timers

## Next Steps

- Creating user profiles for a public database
- Estimating the time to prepare a recipe
- Give recipes customizable thumbnails
- Implement sorting by recipe tags
- Separate database of ingredients to estimate calories per serving and overall cost