

## Recipe storage app

The recipe storage app allows a user to add and store recipes. A recipe consists of a list of ingredients and a list of steps, or instructions.

### Home Page:

- The home page shows the user a list of their recipes
- The user can tap the new recipe button to start the process of adding a new recipe
- Displayed recipes can be tapped on to edit or swiped left to be deleted. Edit brings the user to the recipe name page

### Recipe Name Page:

- The recipe name page is the first part of the recipe creation process.
- Page has links to the steps page and the ingredient page.
- The user must provide a recipe name to continue.
- User can take, save, and display a recipe photo

### Ingredient Page:

- The user can swipe right on the Ingredient page to go back to the recipe name. This is to encourage the user to pick a name and move on to focus on building the steps and ingredients.
- Page will show a list of current ingredients. The user can swipe left to delete an ingredient or tap to edit one.
- The amount text box can handle the user entering a fraction such as  $1/2$  or  $1/4$ , meaning the user can enter "1 and  $1/2$ ", " $1 @ 1 / 2$ ", or " $11/2$ " and all the example entries will parse to  $1 - 1/2$ .
- the parser gives access to the whole number and the fraction separately allowing for math to be done.

### Steps Page:

- User can tap to edit or swipe left to delete a step.
- Steps are stored in an ordered list to signify the step order for the recipe.

- The step position input will default to the next available position, if the user entered a position that's greater than the next available position the step position gets set to default.
- The user can insert a new step into a position that's already housing another step. The new step will take the selected position and the remaining steps are shifted down by 1.
  - This same override feature can be done on a step edit.

#### Step & Ingredient Page:

- The user has access to a navbar to freely navigate between the Steps page and Ingredient page
- The "Done" button redirects user back to home page, located under the Save step/ingredient button.

#### Other:

- All values are stored in a local relational database
- Recipe is saved into database after leaving the recipe name page