Design Doc – Arielle Oren

**Introduction:**

Scope:

My project is a recipe book. I can see a list of all the recipes by title and image, if I click on one recipe, I see all the details and there’s a new recipe button where I can add a new recipe using a form. The user will also be able to search for a recipe by title.

Overview:

Terminology:

* form – allows you to fill in spaces to add new information such as title, image, recipe steps, etc.
* component – react works with components. Each aspect of a website is broken up into separate files and information must be transferred between components
  + ex: form, recipe list, each recipe with all the details, etc.

**Software Design Description:**

General Flow:

The user is able to see a list of recipe titles and 1 image, search for a recipe by title, click on one recipe to see all the details and add a new recipe.

Software architecture:

Components:

* form for adding new recipes
* page to see all the recipes
* page to see all the details of 1 recipe
* search function for a recipe by title
* saving the recipes to database
* editing the recipes
* logging into a user
* creating a new user
* saving user information to database

User interface:

The user can view a list of recipes by title and main image, search for a recipe by title, click on one recipe title to see all the details. If a user wants to add a recipe they click on the “add recipe” button which brings them to a form. There they can fill out the form to add the details. The user can also click on an “edit recipe” button to edit the details later.

See also images

Data handling:

I am planning on saving the recipes and users on a database, probably mongoDB and access the data with node JS

Integration with other systems:

The program needs to be in constant communication with a database and I will use node JS to do this.

**Tests and Monitor**

Tests:

I plan on adding tests for every main flow; for example, adding tests for all the main components.

Log:

The program will log whether the new user is successfully added or not.

Alerts:

A/B Testing:

I don’t see the need for A/B testing right now