

# Recipe App

**Team 36 Code Avengers**

# Scope

- Cooking Recipe Manager
- Homepage
  - Displays user's recipes
  - Search recipes
  - Create new recipes
  - View specific recipes
- When viewing recipe can
  - Modify recipe
  - Delete recipe
- User recipes stored in local storage

# Requirements

- Website must load with  $1 < \text{second}$ .
- Be able to navigate between pages.
- Create, delete, update, delete recipes (recipe template)
  - Prompt user input: images, text, video
- Associate recipes with certain labels to accommodate filtered searches
  - Be able to sort recipes on the home page
  - Search Option to only display recipes that match text search on the home page
- Download & Exchange Recipe Files (*Reach requirement, not critical to project success*)
- Accommodate target browsers, fit various screen sizes

# Target Browsers

- Our application web page will load in under >1 second upon visiting the page, and will work with current modern browsers of: Chrome, Firefox, and Microsoft Edge. All web-page testing will be done with Windows 10/11 Devices in mind.
- Additionally, we will at minimum allow recipes to be viewable from IOS Mobile devices on Safari; we aren't guaranteeing that new recipes can be created on mobile though; this would be a reach goal.



# General Target Users

- Avid home cooks saving recipes
- Restaurants saving a recipe database
- Anyone having the need for saving and editing recipes
- Newcomers to the kitchen who could use the built in app recipes to cook
- Small scale chefs



# User Personas

- **Gluten Gary** – Very concerned with ingredients, wants facts about containing peanuts, GMO, etc.



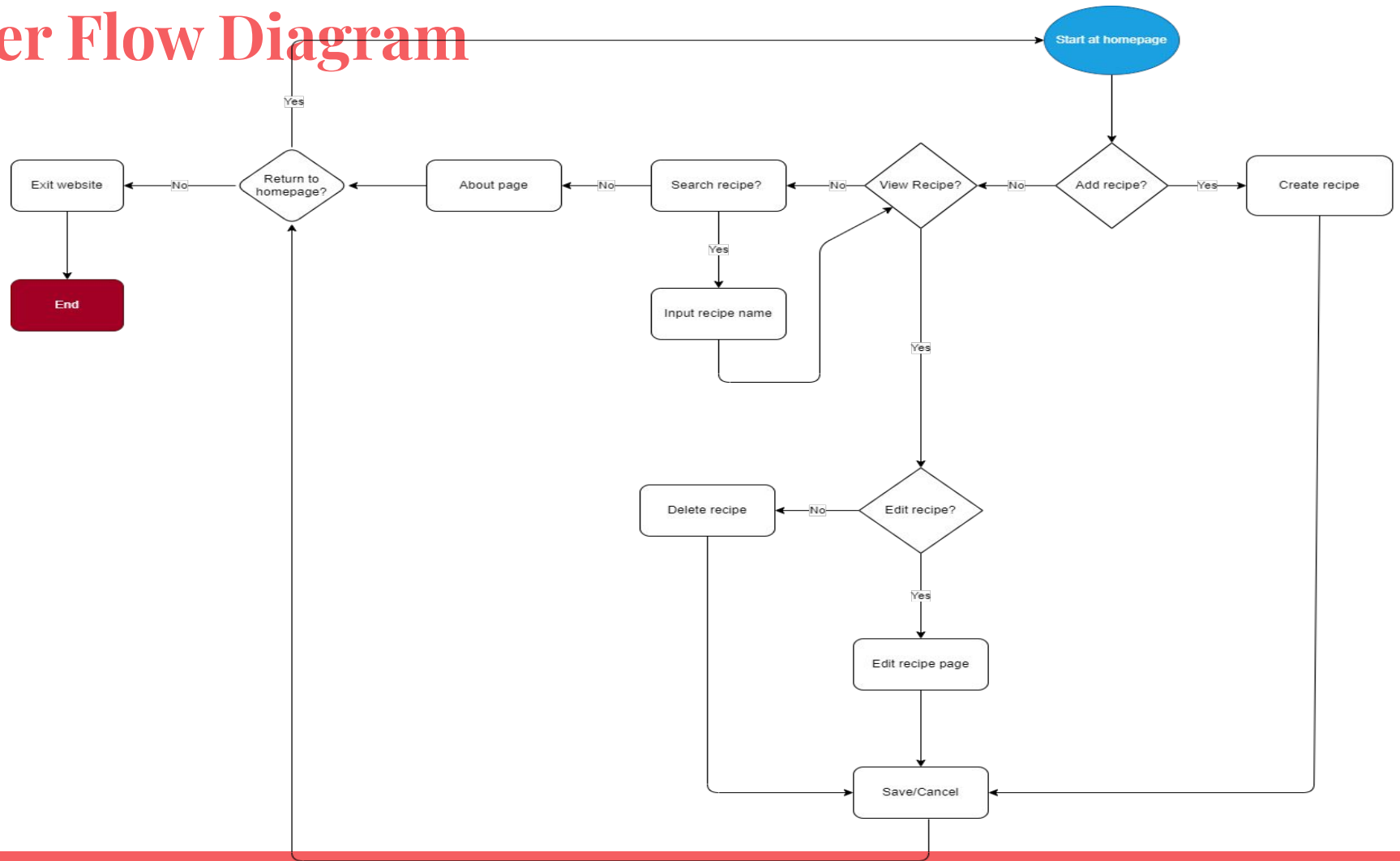
- **Chef Cassy** – Needs a very detailed recipe, to make foods exactly the way she wants them.



- **Bill Burger** – Wants to make food, and wants to make it fast.

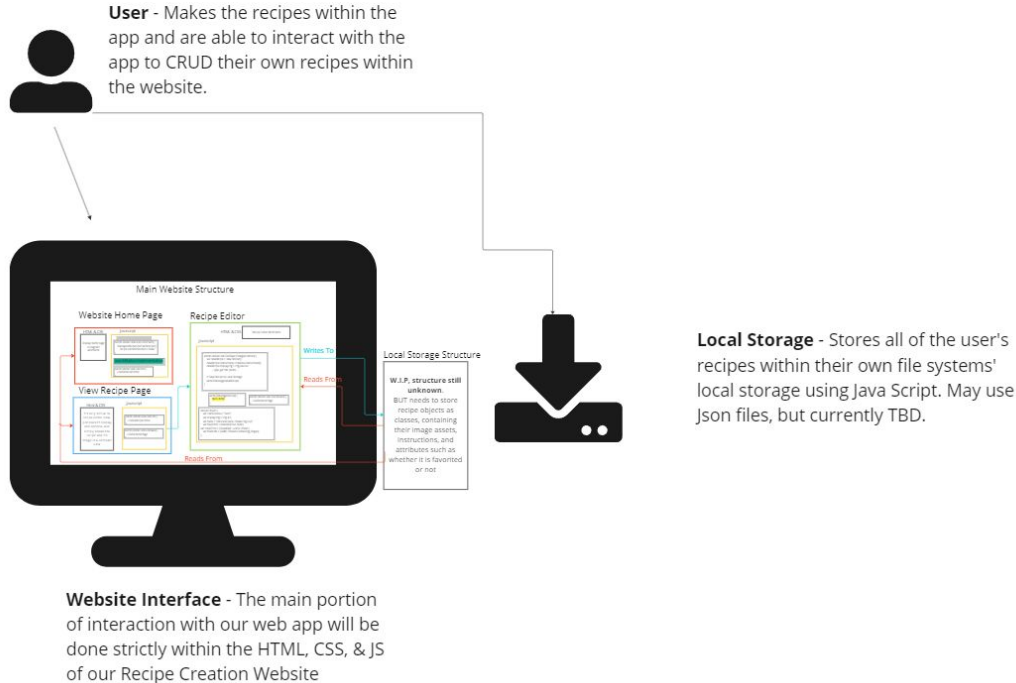


# User Flow Diagram



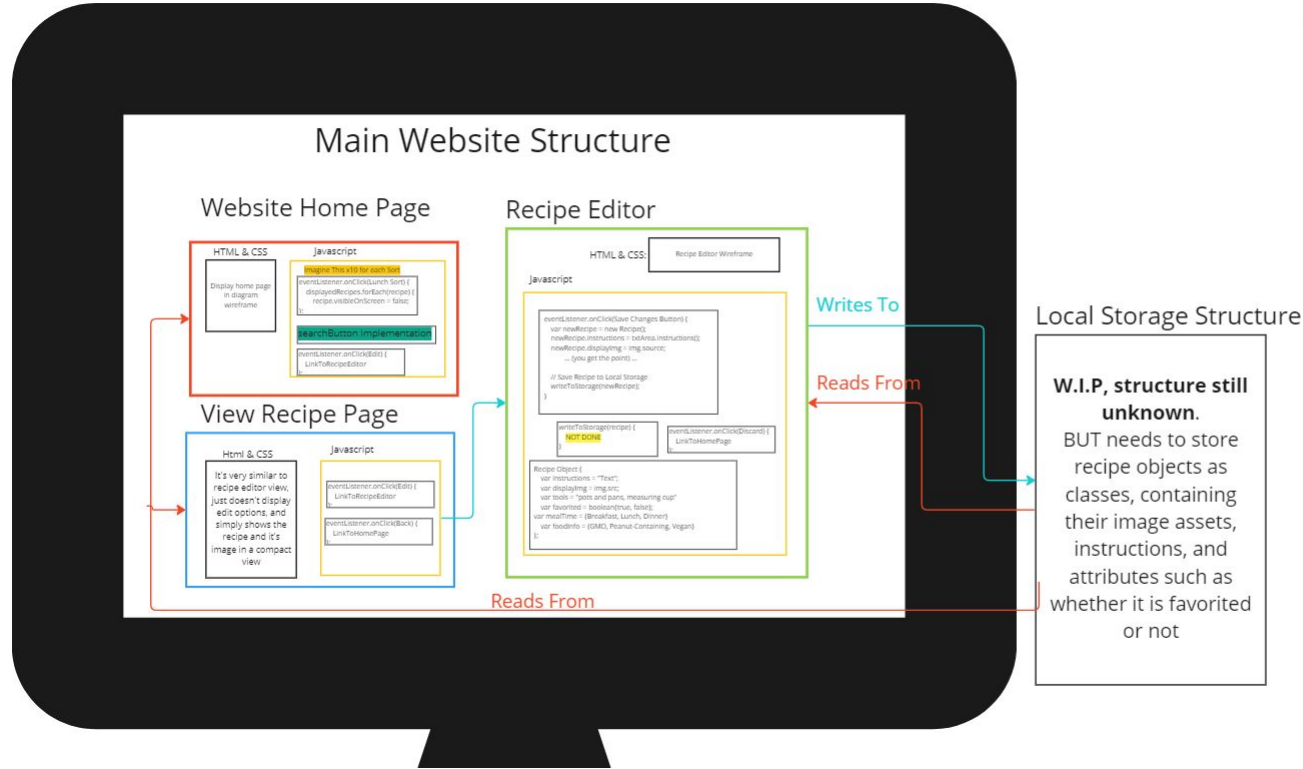
# C4-Diagram (Top Level)

## C4- Diagram



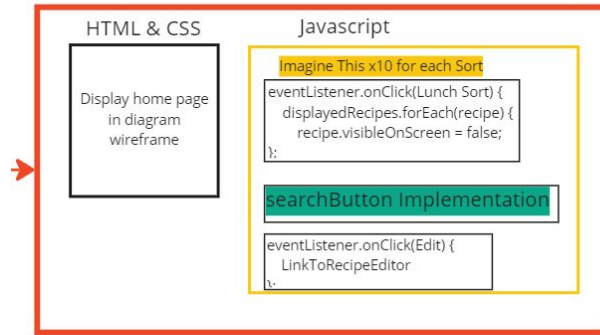


# C4-Diagram (Middle Level)

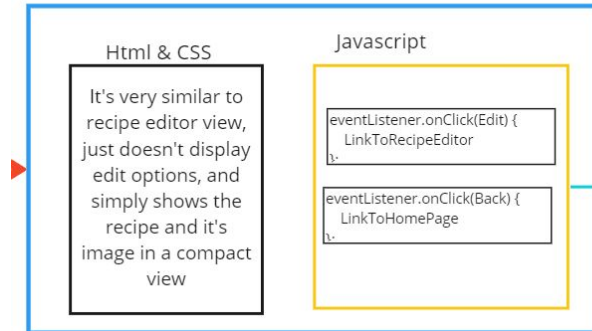


# C4-Diagram (Website Level)

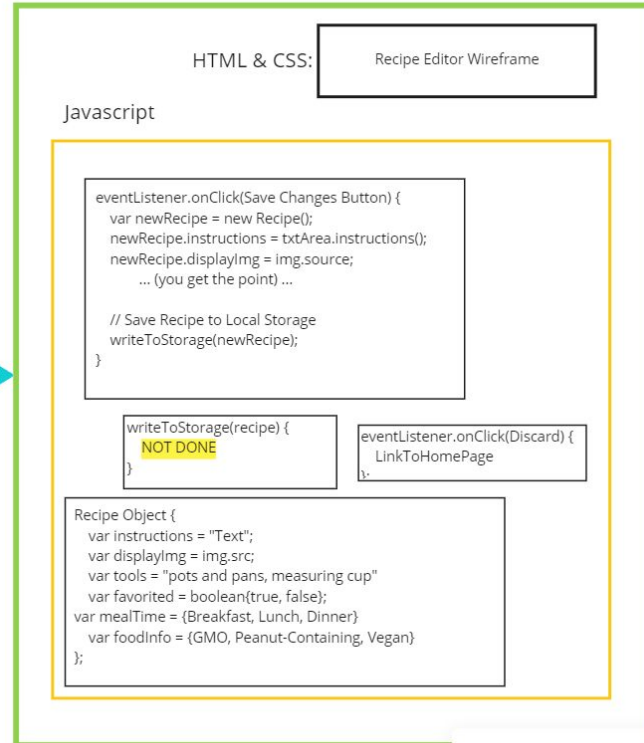
## Website Home Page



## View Recipe Page



## Recipe Editor



# C4-Diagram (Bottom Level)

## Javascript

```
eventListener.onClick(Save Changes Button) {  
  var newRecipe = new Recipe();  
  newRecipe.instructions = txtArea.instructions();  
  newRecipe.displayImg = img.source;  
  ... (you get the point) ...  
  
  // Save Recipe to Local Storage  
  writeToStorage(newRecipe);  
}
```

```
writeToStorage(recipe) {  
  NOT DONE  
}
```

```
eventListener.onClick(Discard) {  
  LinkToHomePage  
}
```

```
Recipe Object {  
  var instructions = "Text";  
  var displayImg = img.src;  
  var tools = "pots and pans, measuring cup"  
  var favorited = boolean{true, false};  
  var mealTime = {Breakfast, Lunch, Dinner}  
  var foodInfo = {GMO, Peanut-Containing, Vegan}  
};
```

# Wireframe (Home Page)

recipe

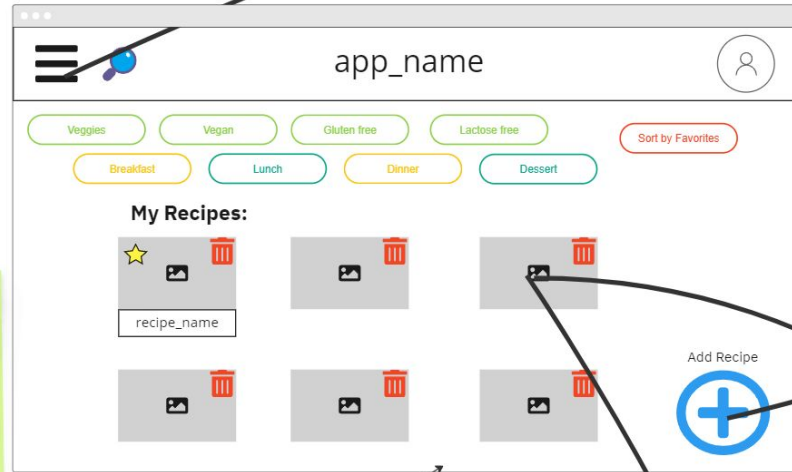
es

JD  
recipe

Home Page Features:

- app name
- filter by label(s)
- add recipe
- click to user profile
- click to view recipe
- number of recipes on the page

Web Page Design



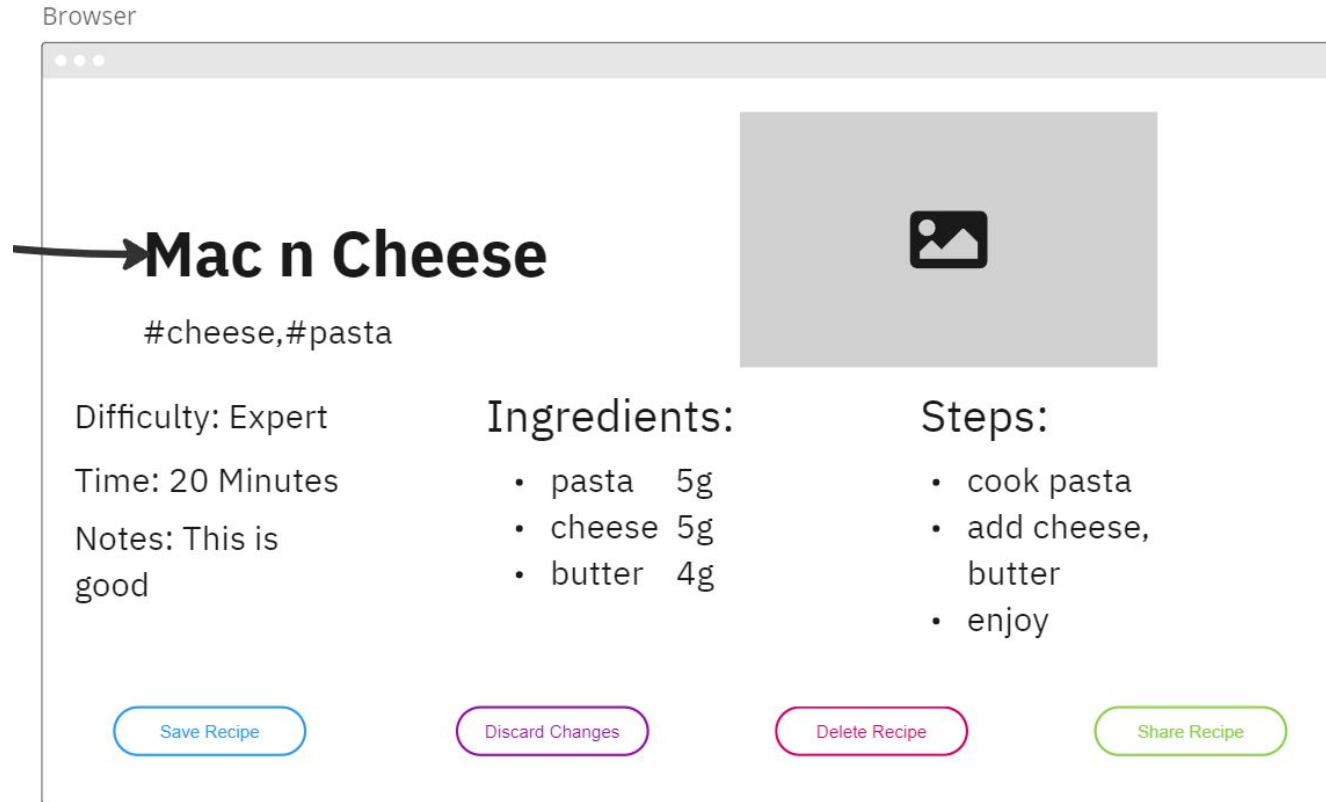
maybe  
inplace of the add recipe plus blue button  
in the following or the beginning of the other recipes



on click: see

on click

# Wireframe (Recipe Editor)



# Project Timeline

- Week 6: Create skeleton of website HTML pages, gather multimedia (e.g. images, cooking tutorial videos, audio)
- Week 7: Style with CSS, maybe start on JavaScript
- Week 8: Complete JS functionality, debugging, test code
- Week 9: Debugging (do we want to use a framework?)
- Week 10: Maybe if we have time, incorporate ReactJS to make it easier to build/modify user interface

# Risks

- Possible delays due to:
  - No apparent solution, unsolved design problems
  - Ongoing rabbit holes, technical unknowns
  - Misunderstood interdependencies
- The number of features may not be possible to cover in the given timeframe without efficient workflow.
- Some planned designs may become unnecessary once we started to implement the project and need to adjust them accordingly.
- May create a significant database of related information for prompts that requires time to do some research.
- May need to consider which features to be prioritized for our target users who are cooks and chefs that prefer convenience, easy-to-use and avoid time consuming.

# Rabbit Holes

- The main “Rabbit Hole” unknowns for our project at the moment are:
  - **Main data storage method** - we want to store our files on the user’s computer, most likely using a javascript function to write and access, however we may have to change that method depending on how our recipe objects are implemented.
  - **Data Exporting/Sharing** - We want our recipes to be transferable to others, but were uncertain what method would be the best way; i.e. should it just be a jpg/pdf of the recipe as it looks on our website, should you be able to transfer a data file like a .csv so you can edit the recipe as well? We will have a better idea once the code to store our recipes and the data storage method has been decided.