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West Side Shoppers' Project Justification

(5) Goals

- (1) Browse recipes
- (1) Add recipes
- (2) Organize recipes they plan to cook in a calendar
- (1) Create a shopping list of ingredients for 1 or more days

(40) Functionality/Features

- (4) Navigation tabs (4 points because it requires more complicated functions between different screens for it to work with the tabs) - **Alex**
- (8) Calendar Screen - **Sampson**
 - (2) Date select
 - (3) Add / Remove Recipe Button
 - ~~(3) Organizes by label~~
 - (3) Show all meals added to selected date (There were no points for the functionality of showing the recipes. This is more important and needed for the users goal compared to "Organize by label")
- (8) Shopping List - **Austin**
 - (2) Date select
 - (3) Updates with Date change
 - (3) Options Menu (Functionality exists through the buttons at the bottom of the list, but not through menu bar since the tab view prevents the buttons from communicating)
- (6) Recipe Viewer - **Alex/Ryan**
 - (2) Sorting
 - (2) Search
 - (2) Smooth transition to and from list of recipes to individual recipe
 - ~~(2) Add to calendar / shopping list buttons~~ (Removed because it creates too much complication for the user. Each goal is accomplished in the specific tab related to that goal.)
- (6) Create Recipe - **Ryan**
 - (2) Add new ingredient to an array ~~database smoothly~~ (A full database table would have been overkill for the ingredients. Furthermore, using an array provided a cleaner and less complicated solution.)
 - (2) Add time / ingredients / directions dynamically

- (2) Auto-complete fields for ingredients, (Autocomplete for recipe name and directions is unnecessary. Users will not be creating recipes that have the exact same directions.)
- (8) Databases for recipes and calendar - **Travis**
 - (2) Running list of ingredients, updated when users include new ingredients in their recipes.
 - (3) Persistence database holding all recipes.
 - (3) Database to hold recipes added to calendar.

(20) UI Principles

- Mind in Mind Chapter 5: Colorblind-friendly
- Mind in Mind Chapter 11: As simple as possible:
 - Each of the views (Calendar, Recipe, Shopping) is only responsible for the actions relating directly to them. The interactions between these views are clear and obvious to the user.
- Mind in Mind Chapter 9: Visual Cues to let the user recognize where they are
 - When the user is in an area of the app, the tabs at the top will always be visible and the specific area they are in will be highlighted.
- No ejector seats
 - Users confirm to complete an action, like deleting an item from the calendar list, so there will be no accidental deletions. To clear the shopping list of all items, user must confirm the action.
- Brave NUI World Chapter 8: Tabs show clear changes in state
- Items are at least 0.9cm large to allow ease of use
- Mind in Mind Chapter 9: Often used function are most visible
 - Adding recipes, viewing shopping list, checking recipes for specific days will all be easily accessible.