W04 Final Project: Proposal

*{I did some research and decided to change one of my ideas a little but because it better suits the target audience and it will be something I can use on the day to day :) }*

**Recipe Finder/ Nutrition Tracker**

* **Overview / Motivation:** People often struggle with meal planning or knowing nutritional info; app helps them pick recipes and track calories.
* **Target Audience:** Home cooks, students, busy adults, or anyone trying to eat healthier.
* **Major Functions:**
  1. Search recipes by ingredient or name (API fetch)
  2. Display recipe details: ingredients, instructions, image
  3. Show nutritional information for each recipe (API fetch)
  4. Filter recipes by dietary restrictions (vegan, vegetarian, gluten-free)
  5. Save favorite recipes to local storage
  6. Generate a shopping list for missing ingredients
  7. Responsive design for mobile & desktop
  8. Random recipe suggestion (“I don’t know what to cook”)
* **Wireframes:**
  1. Mobile: A white rectangular form with black text

     AI-generated content may be incorrect.
  2. Desktop: A white paper with a white envelope and black text

     AI-generated content may be incorrect.
* **External Data:**
  1. Spoonacular API (recipes + ingredients)
  2. Edamam API (nutritional info)
  3. Store favorites & shopping list locally
* **Modules:**
  1. Search module
  2. Results display module
  3. Recipe detail modal/module
  4. Nutrition info module
  5. Favorites module
  6. Shopping list module
  7. API fetch module
  8. UI/Responsive layout module
* **Graphic Identity:**
  1. Colors:background - #FFF8E7 (soft cream)

Main text color - #404D57 (Deep Slate Grey)

Primary Color - #348937 (darker green but vibrant)

Secondary Color - #FF9800 (Orange Color)

* 1. Typography: Bona Nova SC, serif
  2. Icon: Plate with fork and spoon or something along those lines
* **Timeline for 3 weeks:**
  1. Week 5: API integration, search + display results
  2. Week 6: Recipe detail, nutrition info, favorites
  3. Week 7: Shopping list, responsive design, polish
* **Challenges:**
  1. Handling API data structure and filtering dietary restrictions
  2. Responsive design for images & recipe text
  3. Combining two API datasets in a single view