Sketch 1

Title: InstaRecipe

Describe the project in a few paragraphs

The app will show recipes based on what users have in the kitchen/pantry.

Who would be the users? Are there secondary stakeholders?

Primary users are people who want to eat at home but may not know what dishes they can cook with the ingredients that they have in their kitchen. Secondary stakeholders could be those wanting to integrate this into their own apps

What problem would it (help to) solve?

This will help people to have less frustration when feeling blank about what food to cook, especially after a long day at work; they just want to cook dinner, eat, and get it done with.

What is the workflow (user path)? What would the user do? What is the primary interaction? Is there an interaction loop?

Input ingredients that they have in the kitchen.

What data would be used (input), how would you get it and how is it processed/analyzed?

All the recipes can be obtained using the Spoonacular API, where we can request different recipes based on the ingredients we have. https://spoonacular.com/food-api. Some work will be needed to arrange the data in a tidy manner, but there should be minimal processing and analyzing work.

What are the results and how are they presented?

The recipes will be presented online. Users can choose to filter out different cuisines or sort by based on time to prepare the recipe.

Sketch 2

Title: TripPin

Describe the project in a few paragraphs

The web application will be used to map out places in the world that you have been to, ability to plan for next vacation ideas, and itineraries, provide ratings and reviews to different places that users have visited. Also serve as a memory lane to remember their

Who would be the users? Are there secondary stakeholders?

Primary users would be people who want to have a collection of the places that they have traveled to around the world, and they could always look back on the memories. It can also serve users who want to share their previous itineraries to friends or strangers to recommend different places to visit. Secondary stakeholders could be those wanting to integrate this into their own apps.

What problem would it (help to) solve?

This can help users such as me who have a hard time remembering different places that they have visited during their trips, and also be able to recommend places to friends or acquaintances.

What is the workflow (user path)? What would the user do? What is the primary interaction? Is there an interaction loop?

Users can interact with a map and look at different pins of places that they have been to on their previous trips, add pictures and reviews to the sites, as well as review other people's itineraries and past trips

What data would be used (input), how would you get it and how is it processed/analyzed?

Map data will come online from Mapbox API (https://www.mapbox.com/), while TripAdvisor API (https://www.tripadvisor.com/developers) will provide data for user-generated reviews and ratings for tourist attractions, restaurants, hotels and other points of interest. Some work will be needed to arrange the data in a tidy manner, but there should be minimal processing and analyzing work.

What are the results and how are they presented?

All results will show up as popups and users can navigate and interact with the map and drop pins at different interest points that they have visited.

Sketch 3

Title: Daily Word

Describe the project in a few paragraphs

This app will help users to expand their vocabulary by giving them words to learn everyday, and at the end of the week, it will quiz the users to make sure that they have retained the words they learned.

Who would be the users? Are there secondary stakeholders?

Primary users would be those who want to expand their vocabulary and improve their English. Users can also recommend it to friends and family to compete in various word challenges. Secondary stakeholders could be those wanting to integrate this into their own apps.

What problem would it (help to) solve?

It will help educate English learners to learn new words on their spare time and could be a great resource for English teachers to use to teach English.

What is the workflow (user path)? What would the user do? What is the primary interaction? Is there an interaction loop?

Users would be given a few words each day with their meaning, pronunciation, synonyms/antonyms for the word, and how it is used in a sentence. Later in the week, the user will take a quiz based on the words they have learned in the past week to help them to remember the words.

What data would be used (input), how would you get it and how is it processed/analyzed?

Words will be generated using Merriam-Webster Dictionary API. Some work will be needed to arrange the data in a tidy manner, but there should be minimal processing and analyzing work.

What are the results and how are they presented?

Results will be shown on the application in a simple yet elegant way. Popup notifications will remind users to learn their new word of the day and after a week, users will be given a quiz, if users answer correctly, confetti will be thrown, but if they don't, a word of encouragement is shown.