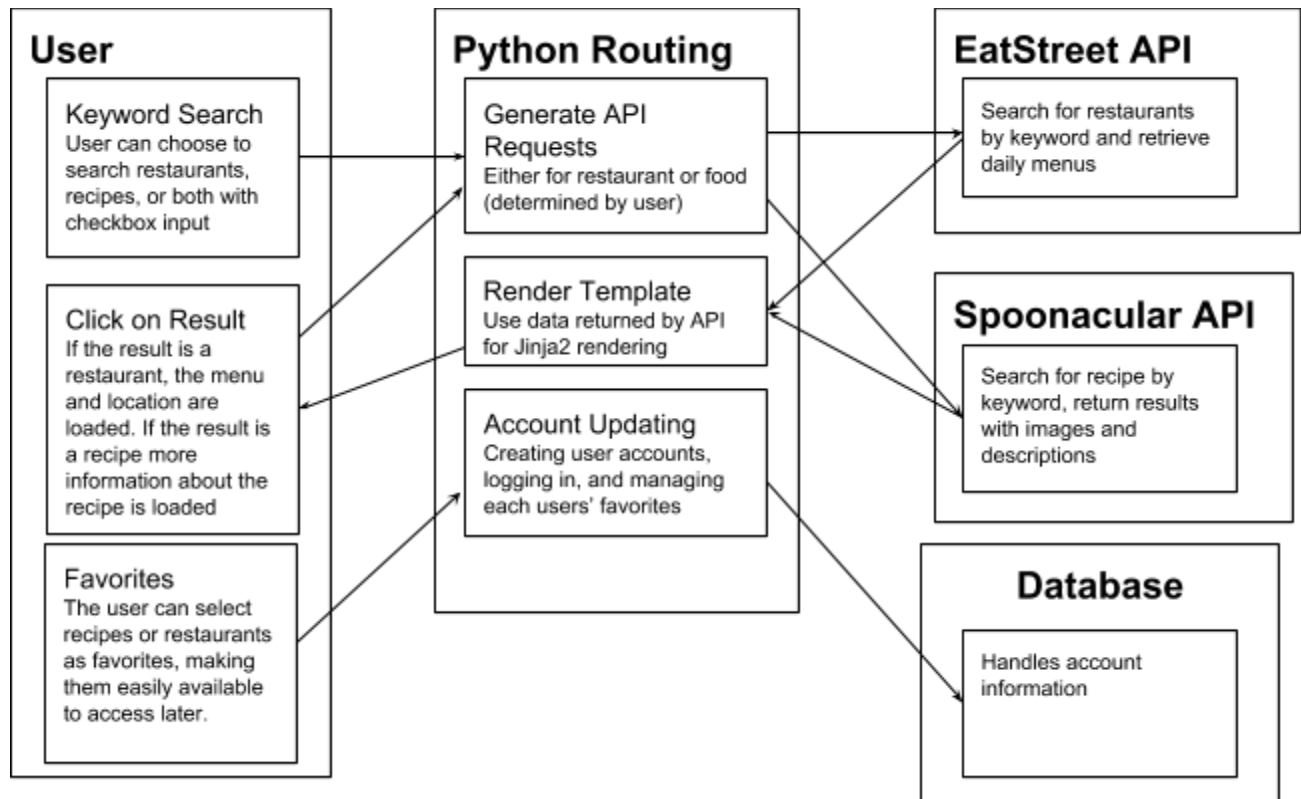Team Hax4Snax: Amit Narang, Peter Cwalina, Jared Asch, Maggie Zhao

SoftDev1 pd7

P #01: ArRESTed Development

2018-11-19 (Last Updated: 12-6-18)

Component Map

API Write-Up

Core

I.   Spoonacular

    A. Requires an account (with a credit card on file) and an API Key

    B. The "freemium" plan allows for a limited number of calls per day, and

        going beyond that limit starts charging a fixed amount per additional call.

    C. How we would use this API

1. We would use their Search function. By inputting a query--either a type of food (e.g. Italian), an ingredient (e.g. Chicken), or a dish (e.g. Chicken Parm)-- we can get a list of recipes for dishes matching the criteria, such as Italian dishes, dishes with chicken, or Chicken Parm recipes.
2. For each recipe we load, we use the picture provided, the ingredient list, some facts (e.g. nutrition), and the instructions for preparing the dish.
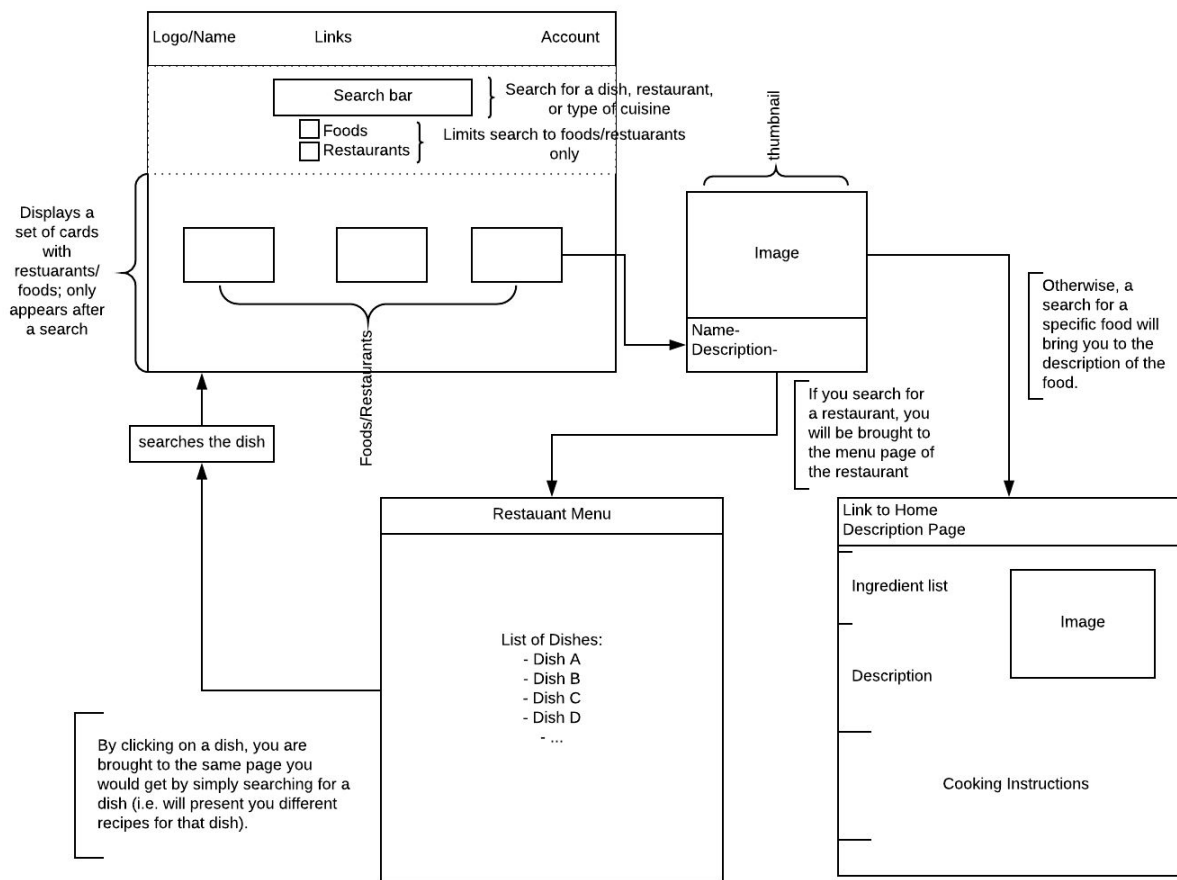
II. EatStreet
   A. Requires an account and API Key
   B. How we would use this API
      1. We would use their Search function to get restaurants that fit the user's query.
      2. For each restaurant, we display an image, the daily menu with price breakdown, and the location of the restaurant.

Site-Map for Front-End

Logo/Name   Links   Account

Search bar   } Search for a dish, restaurant, or type of cuisine

☐ Foods
☐ Restaurants   } Limits search to foods/restuarants only

thumbnail

Image

Name-
Description-

Displays a set of cards with restuarants/ foods; only appears after a search

Foods/Restaurants

searches the dish

Otherwise, a search for a specific food will bring you to the description of the food.

If you search for a restaurant, you will be brought to the menu page of the restaurant

Restauant Menu

List of Dishes:
- Dish A
- Dish B
- Dish C
- Dish D
    - ...

By clicking on a dish, you are brought to the same page you would get by simply searching for a dish (i.e. will present you different recipes for that dish).

Link to Home
Description Page

Ingredient list

Description

Image

Cooking Instructions

Task Assignments

Roles

I. Amit Narang

    A. Project Manager

    B. Assist with Flask Server and Routing

II. Jared Asch

    A. Focused on API Request Layer & Flask Server and Routing

    B. Assist with Bootstrap

    C. Specific Tasks:

        1. Obtaining information from Zomato and Food2Fork APIs

III. Maggie Zhao

    A. Focused on Front-End

B. Specific Tasks:

    1. Creating Landing Page with the Search

    2. Creating Template for Images

IV. Peter Cwalina

A. Focused on Front-End

B. Specific Tasks:

    1. Creating Restaurant Menu

    2. Creating Recipe Page

Specific Tasks and Deadlines

Note: not updated, as per Mr. Brown's instructions

1) Core:

  a) Tasks:

    i) Create a Github Repo

      (1) Date: 11/16/18

      (2) Assigned to: Amit

    ii) Write the Design Document

      (1) Date: 11/21/18

      (2) Assigned to: Everyone

    iii) Landing Page (without search functionality)

      (1) Date: 11/26/18

      (2) Assigned to: Maggie

    iv) Restaurant Search Result Template

      (1) Date: 11/27/18

      (2) Assigned to: Amit, Peter

    v) Basic Flask App

      (1) Date: 11/27/18

      (2) Assigned to: Jared, Amit

        vi)   Search Functionality

             (1) Date: 11/29/18

             (2) Assigned to: Peter

        vii)   Integration of Zomato and Food2Fork APIs

             (1) Date: 11/29/18

             (2) Assigned to: Jared

   b) Date: 11/29/18

2) Additional:

   a) Tasks:

        i)   Create database and user account functionality

             (1) Date: 12/2/18

             (2) Assigned to: Peter, Amit

        ii)   Integration of third API and price calculation:

             (1) Date: 12/4/18

             (2) Assigned to: Maggie, Jared

   b) Date: 12/4/18