

Foodly

Mayoor Rai (msrai2) - Moderator: Samarth Chopra

Drew Reiss (reiss2) - Moderator: Samarth Chopra

1. Abstract

1.1. Project Purpose

This tool provides a way for the Champaign-Urbana community to find, view, and select a restaurant that they would like to attend based on a variety of factors that pertain individually to a particular user.

1.2. Background/Motivation

There are many times when we do not know where to eat around campus, and instead of sifting through all the lists on yelp or reddit, we would like an easy and straightforward way to make a decision on this difficult choice. We would also like to extend this idea even further and implement detailed ratings for each restaurants. These ratings would be different from typical reviews on websites like yelp or foursquare because they would be in condensed, shortened form, allowing for quicker and anonymous reviewing.

2. Technical Specifications

- . **2.1. Platform:** Web application
- . **2.2. Programming Languages:** HTML5, CSS, Javascript, Angular.js, MongoDB, Node.js
- . **2.3. Stylistic Conventions:** CamelCase naming conventions, function signature commenting
- . **2.4. SDK:** JQuery, Twitter Bootstrap
- . **2.5. IDE:** Brackets.IO
- . **2.6. Tools/Interfaces:** Chrome
- . **2.7. Target Audience:** Indecisive hungry people who need a decision fast

3. Functional Specifications

3.1 Features

-Users can view all restaurants in area

- Users can view information about restaurants
- Users can select a restaurant to view more details about it
- Users can filter restaurants based on particular factor
- Users can review a restaurant
- Login with Facebook credentials
- Users can favorite a restaurant

4. Timeline:

4.1 Week 1 – Setting up wireframes, database, and setup

- Mayoor
 - Design a low fidelity prototype to represent screens of app
 - Setup MongoDB NoSQL database for users and favorites
 - Create RestAPI documentation
- Drew
 - Set up Facebook Login for web page
 - Create Angular.js project with Twitter Bootstrap
 - Set up unit and mock testing environment for website

4.2 Week 2 – Restaurant Data and Initial Views

- Mayoor
 - Create Listview and Detailsview for restaurant (front-end)
 - Write Angularjs controllers for listview and detailsview
 - Set up routing and navigation throughout website
- Drew
 - Get restaurant json data in external json file from Google Map API
 - Iterate and revise low-fidelity prototype to finalize website design
 - Create Manual test plan

Week 3 – Merging of backend to front end

- Mayoor
 - Design and develop review system for restaurants with separate partial view
 - Iterate detailed restaurant page to show map view
 - Create Node.js and express server
 - Create PUT and DELETE calls on backend for users and favorites
- Drew
 - Implement real time data retrieval instead of external json for

front end

- Create scaffolding for RestAPI verbs
- Create full map partial view for “all-restaurant” search
- Create GET, POST calls on backend for Users and favorites

Week 4 – Website Styling and additional features

- Mayoor
 - Add stylistic elements to web page
 - Create auto generated email for inviting friends to eat at a restaurant
 - Finalize responsive design of application for use on all form factors
- Drew
 - Design and develop animations for navigating between pages
 - Create favorite system for individual user
 - Finalize testing for correct end-to-end user experiences from front-end to back-end

Future Enhancements

If we work on this application in the future, we would like to extend this to members outside the Champaign-Urbana community. We would like to allow other areas with heavily restaurant saturation to take advantage of the simple and quick features this application allows. We would like to add a friend list and make the application more social.