Team 105-9, Crazy Idea
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Milestone 1

Application Name: Mealbot

Description:

We want to develop an app that would allow users to find local restaurants that they may be unfamiliar with and specifically recommend some items off that restaurant's menu to them based on filters like budget, food preference, and distance. We may also want to include features such as: the ability to set allergy or food restrictions, the ability to favorite a restaurant, view list of restaurants based on specific food cravings, answer a set of questions that helps the user narrow their food cravings for that specific night and then provides them with a list of matching restaurants, and the ability to review the meal you had.

More broadly our application would offer a large collection of restaurants (food offerings included) and using information provided by the user match the user to appropriate restaurants. When deciding what they want to eat the user can look for restaurants search for information as specific as individual dishes(like burgers) to types of restaurants (like diners). Our application would also help to match the user to restaurant options even if the user is less sure of what they are craving. This would be done with a questionaire like feature that would narrow the search based on how the user answered the questions.

Vision Statement:

For those who are unsure on what meal to have, who can't decide from a list of options. The restaurant picker is an app that will generate a meal suggestion based on the constraints the user has given. Unlike yelp that gives an overall idea of the restaurant, our product helps the user down to the meal they want with specific attributes.

Version Control:

Milestone Submission:

https://github.com/nxtarch/CSCI-3308_Crazy_Idea_Software_Development_Milestones.git

Meeting Logs:

https://github.com/nxtarch/CSCI-3308_Crazy_Idea_Software_Development_Team_Logs.git

Code:

https://github.com/nxtarch/CSCI-3308_Crazy_Idea_Software_Development_Code.git

Development Method:

        The methodology we will be using is Agile, where demands and solutions will evolve through the process of software development. As we're approaching milestone 1, we need to present the overview of the project at an early stage. The reason we use Agile as our development method is because Agile is a method that satisfies the customers through early and continuous delivery of valuable software, we also want to satisfactorily meet our own expectations and willing to adapt any changes. Using Agile also allows us to be able to deliver working software frequently, so that customers or graders could have a clear view of our progress. Moreover, this project requires heavily on information and data, and Agile is the most efficient and effective method to exchange information within the team through face-to-face conversation.

Communication Plan:

        While we plan on meeting every Tuesday at 2:00 pm for face to face conservation, we also included a slack channel to text each other and a discord server if we ever need to meet real quick online. In case of non contact, we also have shared our phone numbers amongst each other so we can ping each other.

Proposed Architecture Plan:

        Website that can run on multiple platforms and scrapes other websites using Node.js to find the restaurant info we need to make suggestions to the user. Users can login to the website to save searches/preferences, meaning we need some sort of user database. Website would be in html5 with css and javascript integration.

Meeting Plan:

        Like stated earlier, we plan on meeting face to face every Tuesday from 2 to 4 as needed. We do have other options such as discord that let us do voice group chats if there are problems with meeting in person.