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COURSE: CSC 415 – 01

ASSIGNMENT: ASSIGNMENT 2 – Open Source Software: Proposal and Specifications

Github:

<https://github.com/nairp2/webapp>

Social Justice Issue:

Some people order food from restaurants by ordering online on the website or by having a meal in the restaurant. However, some people tend to waste their food by disposing the leftovers whether they touched the food or not in the trash. I believe the food that hasn't been touched can be preserved and returned to the restaurant for future orders. This way there is less food wastage and less hunger. The social justice issue I am addressing is hunger.

Project Title:

Food Waste Awareness

Option 1 or 2:

Option 2

Web – based or mobile application:

I am planning to create a web – based application using ruby on rails with PostgreSQL. I also used scaffolding for my database and bootstrap for the design HTML/CSS.

Project Idea:

I am planning to create an application where people can provide their feedback based on their order and the web application will provide different slots for the user to input their opinion like specify the food they ordered, whether any part of the food got wasted, their comments on the food, and the restaurant's name so that the website can keep track of the consumer food details. The organization retrieves the feedback and can send suggestions to the restaurant via email. The administrator is responsible for modifying or deleting feedbacks. This system will educate the consumers of what food type and how much food quantity to order the next time and the restaurants are educated of consumers' preferences by updating future menus which prevents wastage of food.

Food scarcity is a significant issue in today's world where 15 percent of America's population is under poverty. This website keeps people in check of how much food they are wasting and try to order within their capacity.

Algorithm:

I am thinking of creating a website that allows users to enter feedback and details of their food order into the website. These details stored in a database where organizations can access user feedback by clicking the organization tab which redirects them to it. The administrator can click the administrator tab which also redirects them to the user feedback. However, the user and

organization have to login in order to access the feedbacks. This involves creating a login option where users and organizations have to first create an account by entering their username and password and then login normally. This web application is implemented in an agile process model. I won't be using significant data structures. However, for the feedbacks, the data structure used are multiple arrays for the food order, comments, show, edit and delete.

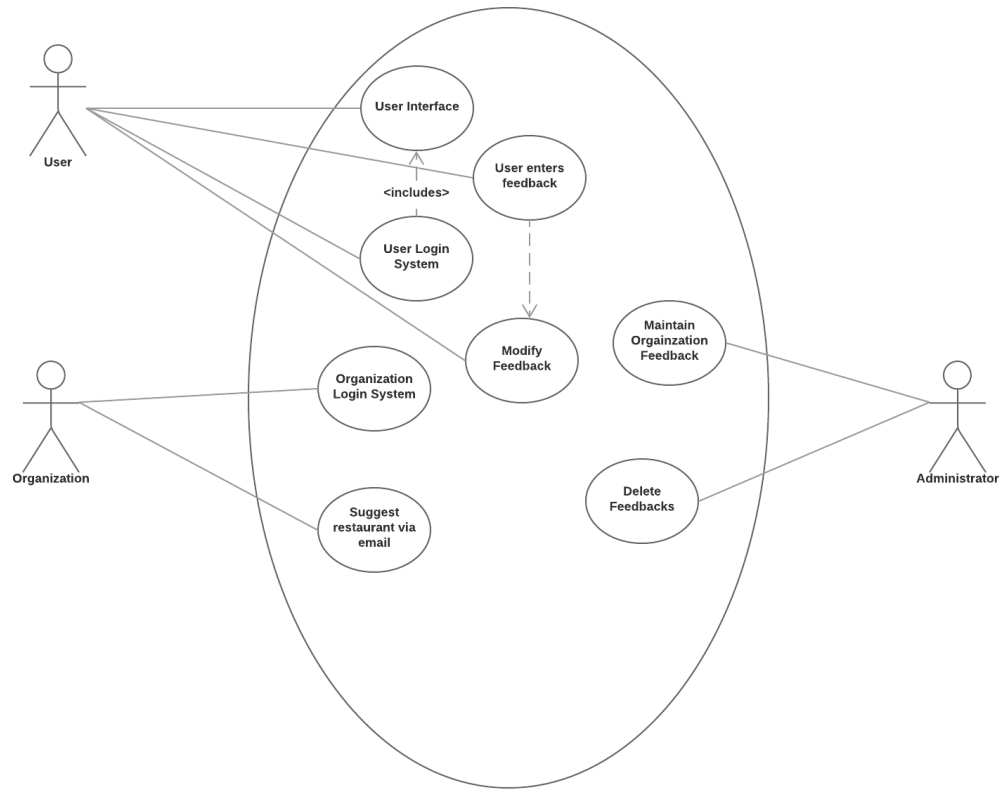
Concepts I Expect to Learn:

By creating this web application, I expect to have a good understanding of Ruby programming language on Rails. I also get to learn how web applications code in Rails interact with routing between MVC (Model View Controller).

Open Source License

I chose the MIT License. It is a free software license that puts very limited restriction on reuse which makes it an excellent license compatibility. It is the most popular software license. This license protects the developer from any liability causes by external contributors. The MIT License seems the ideal choice for my Food Waste Awareness Website since it has a lot of code files that rely on one another. If by accident, someone modified a single code file, it would disrupt the other files as well which would make it difficult for me to debug each file code.

Use Case Diagram



Gantt Chart

