

CMSC436 Project Proposal:

Project Team 12

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App Description

Americans are known as the global leader in food waste. According to [rts.com](https://www.rts.com), more than 80 billion lbs of food is wasted in the U.S. As a result, we want to tackle this problem and connect the restaurants with organizations which have the resources for distributing these foods to people in need or any individual in need, instead of throwing it away. Our app allows restaurants to post their leftover food, at the end of the day, which can then be claimed, by an organization or an individual, for pick up at a discounted price or for free.

Minimal Goals

The app will contain a list of food postings and their respective locations, with an interface that allows the users to add and claim posts. For each user there will be a:

1. Signing up page (Sign Up/Log In)
2. Inputting a food (Posts)
3. Claiming a food (Claims)

Stretch Goals

- MapUI kit to visualize food postings and their relative locations to users.
- Allow users to be able to make a donation along with a claim for a meal.
- Expanding to grocery stores(ex: in-store Bakery) for different types of groceries.

- In the far future, partner it up with Uber, Lift to allow for delivery of one's food.

Project Timeline

Milestone 1

- Allow restaurants to create accounts. To make a post you have to have an official Business account.
- Allow individuals, homeless shelters and other organizations to create Claimant accounts and see nearby restaurants.
- The ability to make a food posting by entering required information regarding business and food for restaurant users.

Milestone 2

- Organizations/individuals should be able to claim a meal from user food postings page.
- Allow restaurants to post images of the foods, along with post.
- Adding a feature that would create a window for pickup/expiry of the food, after which post is either removed, or not valid to be claimed. (Active/Inactive feature)
- Add multiple tabs, one for Posting and a separate one for Claiming items.

Milestone 3

- All the minimal features will be fully implemented and displayed in a comprehensive manner.
- Have different filters for categorizing food postings. For example by location, or food type.
- Implement a map, so food postings show up with locations.
- Add feature that would allow for user to leave a rating after pick up of food

Begin working on stretch goals.

Final submission

Stretch goals completed, project submitted, and a demonstration scheduled.