Project Brief

The website "JustFood.org.nz" will let the restaurants and grocery stores in Nelson register with the charity, and help them donate everydays excess food to the people in need.

The web app will have following features:
- For donors:
1. Homepage: Showcasing the charities work, services offered, and guide on how future members can join.
2. Register: Let donors register with the charity.
3. DonateSpace: Let restaurants enter everyday leftover food details (free or at reduced price- whichever they want)
4. On backend- Linking the data of food entered by donors to the food ordered/received by the beneficiaries to keep track.

- For beneficiaries:
1. Homepage: Showing the charities work, services offered, and guide on how they can benefit.
2. Token system on backend: The system will generate a specific number of tokens based on details entered by beneficiaries. The details could include financial statements or proof of govt financial support.
3. Backend: Let beneficiaries place orders from the restaurants and keep track of token usage and restaurants available food.

- General public
1. Homepage: Same for all
2. DonateSpace: System to donate money to generate new tokens, which can be distributed to beneficiaries to purchase food which is not listed as free by the restaurants.
3. Page showing other ways they can help the charity.

Information Architecture Analysis

Site Goals

- ## Mission

  The purpose of this website is to create a platform for helping anyone who wants to donate food to anyone in need (generally restaurants, grocery stores and also the general public).

- ## Short Term Goals

  In the short term the website will help local restaurants and grocery stores in Nelson donate everydays excess food by entering the food details on the web-app and donating it to the people in need- by dynamically generated tokens based on food supply and requirements.

- ## Long Term Goals

  In the long term we aim to include everyone on the donors list and also raise money to generate tokens which can be used to buy food at cheaper price, if free food is not available.

- ## Intended Audiences

  The intended audiences will be as follows:
  Donors: Restaurants, Cafes, Grocery Store and at later stage- anyone interested.
  Recipients: Anyone with income below a certain level.

- ## Why will people come to the website?

  The website will be an excellent way to donate and receive free food hassle free in an organised and efficient way, which will attract a lot of donors and recipients on the website.

User Experience

- ## Audience

    The user experience for donors will be such that it will help them donate the food in 3 steps
    - Register/Login on Website (Can also enable automatic login)
    - Enter the food details.
    - Matched recipients will pick food from the restaurant.

    The user experience for recipient will also be similar:
    - Register/Login (Enter financial details when registering)
    - Token Credit will be based on details entered and can be used to get limited free food.
    - Select the order items and collect within fixed time.

- ## Scenarios

    Donors:
    John owns a restaurant in Nelson, and daily sales fluctuates a lot. A lot of food goes wasted at the end of the day. John has no choice but to throw this food. He would love to donate it, but can't find any easy way to do so. The website provides a way to donate this extra food hassle free and quickly. John would now just need to register once and enter the food details whenever there's food left at the end of the day, and it would reach the people who need it the most.

    Recipients:
    Bob is very hard working but is struggling to find a job for the last 3 months. He does not have enough money to buy a good meal for himself and his family. He would love some free food. He registers on the website, and gets tokens to buy free food based on his financial situation. He then uses these tokens to buy food from John's restaurant or other people/places who are donating through the website.

- ## Competitive analysis

    My research results pointed to 3 websites/organizations that can be classified as competitors:
    1. Salvation Army Nelson
    2. FoodBank Nelson
    3. Kai Rescue

    All the three websites are more accessible to donors than the receivers.
    All of the competitors operate from physical locations on the outskirts of Nelson (even though Salvation Army have their office in Nelson), which could be inaccessible for most people wanting urgent food.
    The competitors work with farmers and supermarkets and not so much with local restaurants and grocery stores.

Salvation army and FoodBank Nelson provides not only free food but also various services like- legal help, mental health services, business advice etc, which does not let them focus as much on food services.

Kai Rescue is the only real competitor but they have a different model of providing free food than us- as they collect food mainly from countdown supermarkets and farmers, and distribute from their warehouse in Annesbrook.

Site Content

- ## Content and Functional Requirements

The site will have following content and functions:

New registration function: Linked to database to retrieve user login details for both donors and receivers. The registration for donors will have different fields than receivers. The fields can be found in this CRUD Table.

Charity details: Information about the charity on the main page of the website.

Receiving Portal: To display available tokens for signed in user and display food currently available, and containing order portal.

Donation Portal: To help donors enter the details of food they want to donate and post to the database. Details of fields can be found in this CRUD Table.

Order Portal: To let receivers place orders and pay for that food using available tokens (the value of which will be determined by demand and supply of food). The order portal will have the following sub-components: Component to display available food, orders history and available tokens, and place order component.

Token Functionality: The tokens will be the most important part of this web-app. The value of the tokens and number of tokens allocated to the food receiver will be decided based on various factors such as: Supply & demand of food, financial position of the receiver, and food being donated (if it is listed as free or at reduced price).
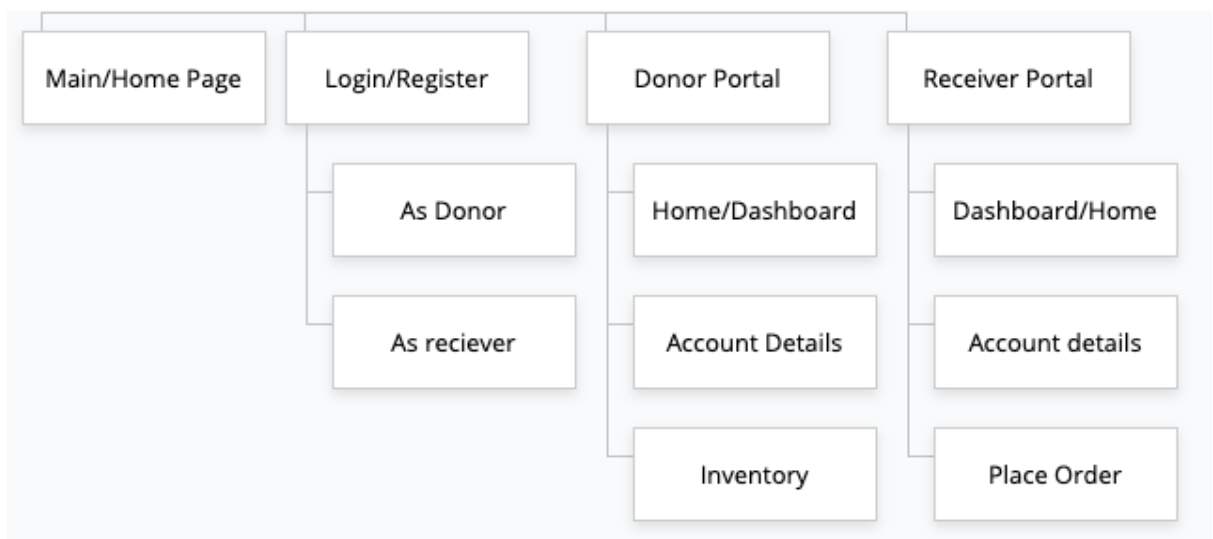
Site Structure

- ## Metaphor Exploration

    Organisational Metaphor: The webapp layout will reflect the existing *food charity organizations*, the only difference will be that instead of calling the food charity and checking for available food, the user can simply see the food on the web app and order it just like a *food delivery app*.

    Functional Metaphor: The website will function in the same manner as any peer to peer application, eg- UberEats. The restaurants enter the food details and people buy that food through that application. In this app, instead of money people will use tokens.

    Visual Metaphor: The layout and design will reflect generosity of donors and need of receivers by simple background animations, icons and past stories.

- ## Site Structure Listing

- ## Navigation

    The site will use routing in Angular to switch between page views- based on the site structure above. The navigation links will also be displayed as per the above structure. After logging in, the Donor portal or Receiver portal will only be displayed from which the child pages can be accessed. All of the pages will be in a single page application.

- ## Visual Design

  ### Home/Main page

 Login

Let's not let food go waste.

We give energy to the people to who need it the most!

Donate Food   Get Food

How it works

Feature One
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque.

✓ **Feature Two**
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque.

✓ **Feature Three**
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque.

How it works | Donate Now | Order Food | Other Help

Ⓖ JustMeal

Registration/Login

Register as

Donor/Recipeint ▼

Already Registered?   (Email)   (Password)   Login

Full Name   **Email**

Type full name here   Type email here

Phone Number   Business Start Date/ Avg Income in la ▼

🏳 ▼ | Phone number

Message / Special Requirements

SUBMIT

Donor Portal

RENEE MCKELVEY
Account Settings

FOOD DONATED
21 324

PEOPLE FED
$ 211 324

TOTAL VIEWS
65 2234

DONATION STATS

■ Drinks   ■ Snacks   ■ Fruits and Vegetables   ■ Cooked Meals

RECENT CUSTOMERS

Jerry Mattedi	13 aug 2018 Joined	251-661-5362 Phone Number	New York Location	Options	Details
ElianoraVasilov	13 aug 2018 Joined	351-661-3252 Phone Number	Ontario Location	Options	Details
Marcos Anguiano	13 aug 2018 Joined	251-661-5362 Phone Number	Milan Location	Options	Details

JustFood

Backlog List & Features

From the user stories above, I have found the following features to be implemented on this web app:

1. Signup & Login for donors
2. Signup & Login for beneficiaries.
3. Inventory management for donors
4. Tokens for beneficiaries
5. Home Page showcasing the charity details
6. Contact page
7. Generate tokens by paying- for general public

Backlog List:

1. Signup for donors: Get donor details such as location, time in business & contact details.
2. Signup for beneficiaries: Get beneficiary details like income, location, and allocate tokens accordingly.
3. Sign in for both donors and beneficiaries: Redirect to beneficiary or donor portal based on user type.
4. Donor portal: Inventory management for donors and sell products in exchange of tokens.
5. Beneficiary portal: Show number of tokens and keep record to token spending and generate new tokens based on beneficiary's income and requirements.
6. Homepage for all: Show charity details, past work and stats.
7. Contact Page: Create form to send a message to the JustFood team.
8. Generate tokens: Page for the general public to generate tokens by paying and donate them, and see where their tokens have been spent.

CRUD Table

	userid	password	usertype	income	Business timing	Time in Business	Location	tokensLeft	productName	productPrice	inStock	messageTo	messageContent
SignUp	C	C	C	C	C	C	C	C					
Login	R	R	R						R	R	R		
Buy from donor	R							U	R	R	U		
Input new Stock	R								U/ C	U/C	U/C		
SendMessage to Donor/Charity	R		R									C	C