**Food network project**

To do:

Initial set-up phase:

* Identify all courier and logistics services across the country and compile a database with their locations and emails
* Identify food banks in the US and compile a database with their locations and emails

Application phase:

* **Construct simple front-end:**

Food Bank

*Signal Need*

Food processor

*Signal oversupply*

Courier/Logistics

*Bridge-the-gap*

Donate

*Public*

Existing food distribution networks eat up all supply in normal circumstances and food banks do not have established connections with food processors. Now as consumer demand diminishes and as America faces 30 million in new unemployment claims due to COVID-19, there’s a severe imbalance between supply and demand. We’re trying to connect food banks with food processors to ensure that America’s food doesn’t go to waste as families go hungry.

* **Food bank page:**

**Information**

Food bank name

Address

Contact email

Contact phone

Over capacity by

**Specific needs**

Potatoes

Veggies

Fruits

Submit

* **Food processor page:**

**Information**

Processor name

Address

Contact email

Contact phone

**Oversupply of**

Dropdown menu

Quantity

Submit

* Payment process to send and receive payments
* Path search to optimize logistics routes
  + Use off-the-shelf algorithm or maybe Google Maps API for location supply planning
  + Determine algorithm for splitting food among banks by indicated demand
* Auction design (up for conversation) for courier service
* Build backend database to store all information that connects via API to webpage