

# Technology

Predict how busy a restaurant will be with machine learning

Estimate how many people are in line using Grubhub data

Estimate how many people are in line using POS data

Estimate how many people are in line using computer vision

Estimate waiting time by using the number of orders registered in the system with amount of staff on the job

Find a way for Grubhub wait times to reflect the size of the order

Include travel time calculation so users know when to start going to restaurant.

Include a pay online feature to reduce wait time at restaurants.

**Problem Statement:**  
Students may arrive at the food court for lunch only to find that the lines are too long for them to get lunch before their next class.

# User Experience

Use an attendance app that can help with wait time

Crowd-meter like gauge for how busy a restaurant is

Suggestions of where to eat based on how busy restaurants are

Estimate when the food court is least busy and communicate that info to students based off their class times

Display menus on the app

Congregate reviews from yelp, google, etc.

# Administrative Changes

Make sure each food court stall/restaurant has enough staff to handle busier hours and get food out quicker

Find a way for the school to make deals with off-campus restaurants or food vendors and make food more available in other ways

Some shifts are too short (only an hour for some), making workers focus too much on finishing the shift instead of getting food out quicker

If efficiency increases enough, will there be an issue with the quantity of merchandise available?

# Buisness

Sell the data we generate to the restaurants

Allow less-busy restaurants to provide special deals to users

Expand past universities into cities and towns

Expand into malls after universities

Expand into food delivery industry

Join contracts to develop restaurant-specific applications.