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.

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.

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.