

The Problem (Kata)

Farmacy Food

Founder: Kwaku Osei

Farmacy Food is a tech-enabled healthy food startup that takes the “Let food be thy medicine” quote literally and creates tasty meals that meet people’s dietary needs and active lifestyles to support their overall well-being. Our mission is to create meals that are radically affordable and accessible.

Farmacy Food mission: <https://www.youtube.com/watch?v=9aSLSVAlkoM>

Farmacy Food website: <https://www.farmacyfood.com/> d: Food as Medicine Actualized - Kwaku Osei - Farms, Food & Health Conference 2019

A “ghost kitchen” needs a system to allow users to have visibility of what items are available, purchase, and pick up items at any one of their points of sale.

Users: dozens of automated fridges and representative run kiosks, thousands of customers.

Requirements:

- Must integrate with 3rd party smart fridges to obtain inventory and purchase activity
- Smart Fridges accessible through the POS systems API's. Produce item inventory levels and purchases. The smart fridges have a cloud based management system that handles communication with the Smart Fridge so obtaining this data would be through an API.
- Must integrate with point of sale system at kiosks
- The Kiosk is a sublet space inside another business where we will sell our product but have an employee to handle the transactions through a point of sale. The same data should be
- Mobile Web accessible
- Support providing feedback on items of verified purchases and in app surveys
- Accept coupons and promotional pricing
- Send inventory updates to central kitchen

Long term Goals

- Long term would like to allow multiple vendors to offer items through points of sale
- Wants to harvest data to provide personalized recommendations based on users health goals, purchase history, and item ratings

Other Logistics and Details

Important Dates:

- Team submission closes: midnight Eastern time on 10/22
- Submissions via this Google Form: https://docs.google.com/forms/d/1k4M9zoEOyeamEoCpYIW_URDoCGytjnLugltOw5kNRql/e/dit?ts=5f85d981

- Teams notified by midnight on 10/24 if they were selected or not
- Solutions from selected teams submitted by **midnight Eastern time on Monday, 11/2.**
- Judges will review from 11/2-11/13 and pick semifinalists.
- Semifinalists announced at 11/17 Event
- Semifinalists will present at the finals on 12/3

Accessibility (mobile accessible)

Accuracy Availability

Performance / Reliability

Security (payment)

Scalability

Integration

Smart fridges track inventory / track purchase

Kiosk representative sell products / accept payment / track pickups

Support team provide feedback

System handle payment / register point of sales /

System (Databot) harvest data / machine learning data / serve recommendations

User check availability / purchase an item / pickup at point of sale

Inventory Tracker Purchase Tracker

Payment handler Order placement Order fulfillment

Feedback handler Point of sales Registrator