**Final Project Proposal**

1. **Project Overview**

As winter is coming, it will be harder and harder for students to step out of the buildings and seek for foods. Hence, we plan to conduct a take-out project by which people can order their meals online and have the food delivered to their houses, so that get rid of the bad weather. In this project, we combine restaurants, delivery staffs, customers together with an agency platform to guarantee that necessary functions are achieved.

1. **Application Key Functionalities**

For customers:

* Select restaurant and order/update/cancel meals
* Communicate with restaurant and check the meal status
* Communicate with deliver staff and check the deliver status

For restaurants:

* Receive/update/cancel orders and prepare meals
* Communicate with customers and delivery meal status

For delivery companies:

* Receive/update/cancel orders and conduct the delivery
* Communicate with customers and provide delivery status

For platform:

* Enable customers to view restaurants and order meals
* Enable customers to contact with both delivery staff and restaurant staff
* Transfer the order to restaurants
* Transfer the order to delivery companies

1. **Proposed Entities**
2. Restaurant:

Organization: Admin, Manager Office, Cook Office

1. Delivery Company:

Organization: Admin, Manager Office, Staff Office

1. Platform:

Organization: Admin, Restaurant office, Delivery office, Customer Office

1. Customer
2. **Eco-system architecture diagram.**

Eco-system

Network

Enterprise Directory

Configuration A System

Restaurant

Platform

Delivery Company

Organization Directory

Organization Directory

Organization Directory

User Account Directory

Employee

User Account

Cook Office

Admin

Manager Office

Employee Directory

Role

Waiter

Admin Role

Manager Role

User Account Directory

Employee

User Account

Restaurant Office

Admin

Delivery Office

Employee Directory

Role

Customer

Admin Role

Customer Server

User Account Directory

Employee

User Account

Staff Office

Admin

Manager Office

Employee Directory

Role

Courier

Admin Role

Manager Role

Work Queue

Work Request

Work Queue

Work Request

Work Queue

Work Request