**Project Proposal**

**Project Overview:**

The goal of our project is to design a charity foundation transmitting resources efficiently. The whole earth is now suffered by COVID-19. Many hospitals are short of all kind of resources like gauze masks, goggles even voluntary nurses. Huge number of people are willing to give out money or supplies but they don’t know whether their money or supplies can be delivered to the right hand. In such a case, a well-developed and efficient charity foundation platform is indispensable. In our ecosystem, there are two enterprises, charity foundation and hospital. Four organizations under charity foundation: administrative department, volunteer department, aid department, donation department and transportation department. Two organizations under hospital: back office and doctor office.

When doctors need resources (can be real assets or volunteer’s help), they will send an order to back office and back office will reach aid or volunteer department under charity foundation. Then transportation department will help aid department send resources to back office for doctor’s use. When the order is completed, a report with be send to administrative department from back office based on quality, number and transportation speed of the resources.

**Application Key Functionalities:**

1. Administrator

* Receive order report from back office
* Analysis report to improve efficiency

1. Volunteer

* Receive order request from back office
* Help doctor take care of patients

1. Aid department worker

* Receive order request from back office
* Send required resources to driver

1. Driver

* Transit resources to back office

1. Officer

* Place orders to get resources needed by doctor
* Receive resources from driver and give them to doctor
* Give a report to administrator about the whole resources transmitting process

1. Doctor

* Ask officer to start a resources order request with specific number and description

**Proposed Entity:**  
1. Hospital Enterprise:

Back Office, Doctor Office

2. Charity Foundation:

Administrative Department, Volunteer Department, Aid Department, Transportation Department, Donation Department

**Eco-system architecture diagram:**

