Medical Resource System

Chongcheng Tang 001029412

Xing Dong 001718652

Yanshan Ban 001063712

**Overview:**

The system aims to the distribution of important medical resources, such as face masks. Due to the Covid-19, the medical resources are more essential than before.

To distribute medical resources properly, we need a big system for charities to finish the task.

So, we design a platform for the whole system to get in touch, which will operate on the charity and local hospital level.

The system is designed for charities, hospitals, factories, medical companies and transport companies.

**Functionalities:**

The system can realize the distribution of the medical resources by getting the entities in touch. What is more, it can help the charity do finance management by collecting the data from the demands of the hospitals, in other words the individuals. Also it can check all the resources at any time and identify the responsibility if anything is wrong.

**Entities：**

**Charity:** As for charity, the system provides a function to get all the data from the hospitals. Then the charity can decide the amount for every local points and place orders to the factories by the medical companies. Finally, the charity obtains the resources and distribute them by transport.

**Manufacturer:** As for manufacturers, the system is used to get orders from medical companies and report the finish of their tasks.

**Bills:** The medical companies play a role of bills in the system. They turn orders from charities to manufacturers and check the safety of the products from the factories.

**Transport:** The transport, such as Express, delivers the products to the local hospitals and stores the rest in the local warehouses, which is helpful for the charities’ decision.

**Local:** The local hospitals calculate the sum of resources needed and report it to the charity by the system. They will also know how many resources is going to be sent to them by when.

