



# INF05100 – Final Project: Covid-19 Management System for University



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# 1. Problem Statement

As the pandemic has spread for almost a year, Covid-19 vaccines finally come out recently. Every university will have to add vaccination to current Covid-19 Management System in the future. We want to build a system that most cater to students' needs from testing to vaccination, from quarantine to hospitalization.



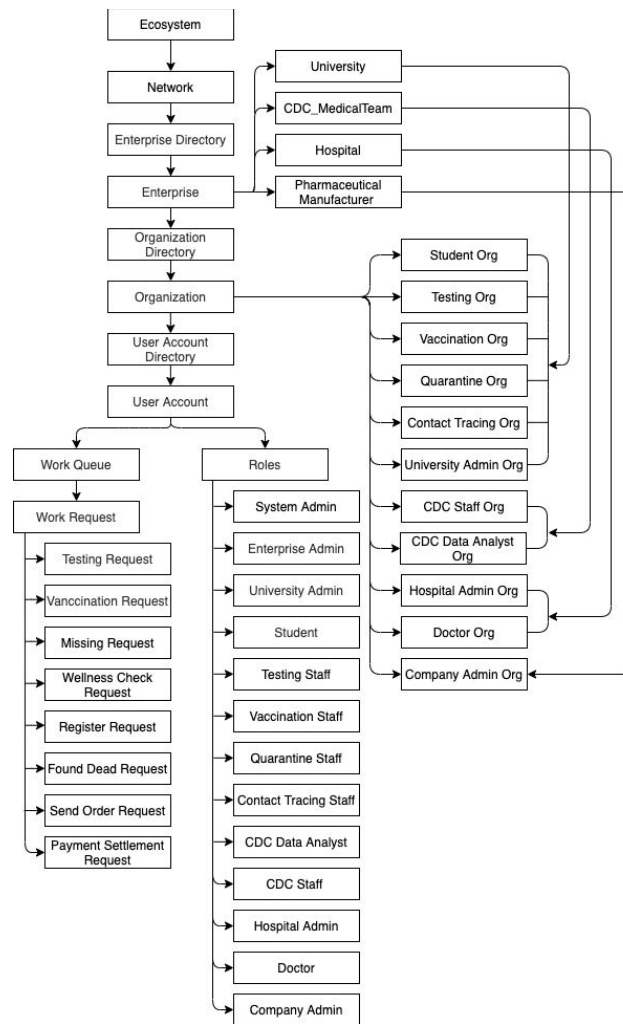
## 2. Covid-19 Management System

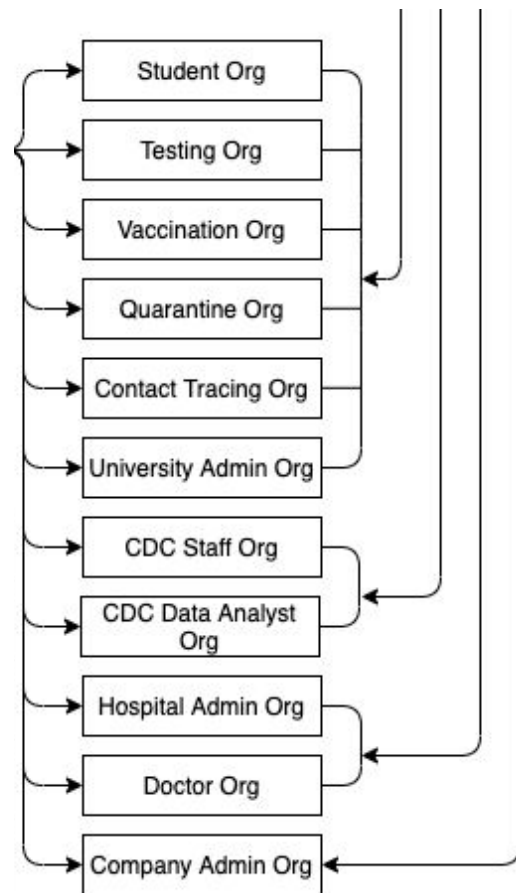
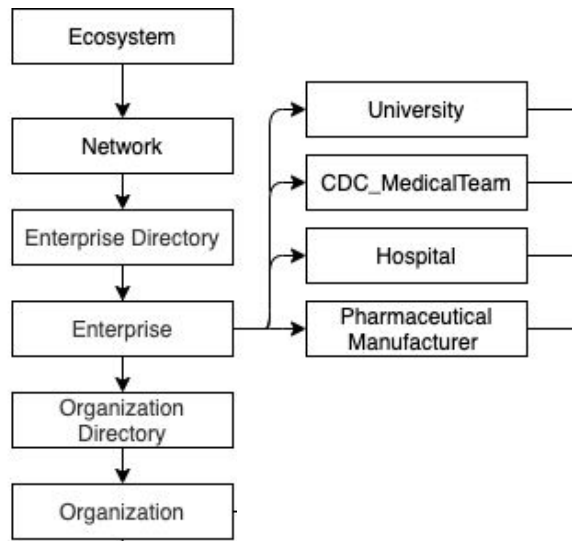
This system mainly focuses on students' needs. The system involves University, CDC, Hospital and Pharmaceutical Manufacturer.

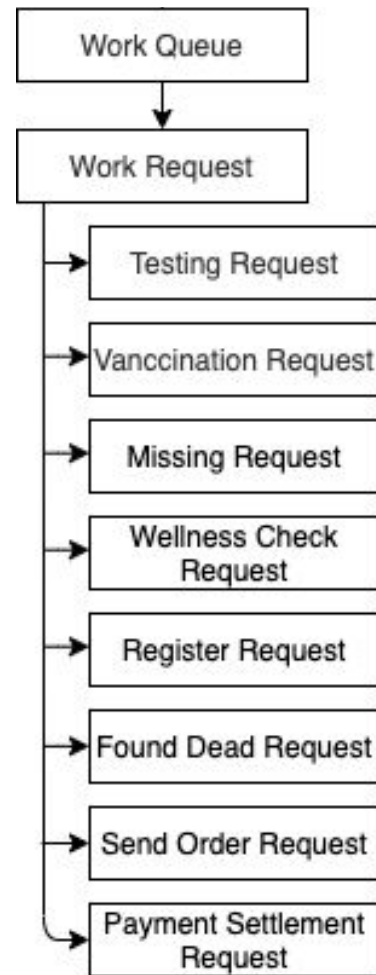
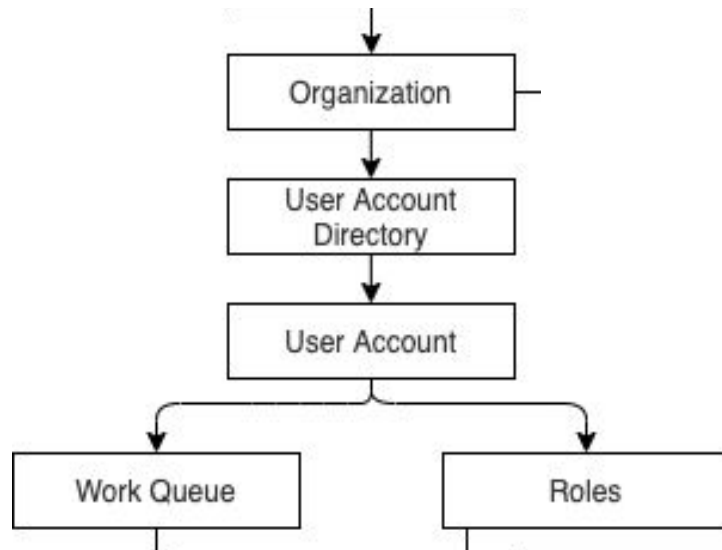
- Student : ensure their any situation will get processed immediately
- University: better control the spread of the disease at campus
- Hospital : give treatment to severe students in time
- Pharmaceutical Manufacturer: provide sufficient medical products to hospital

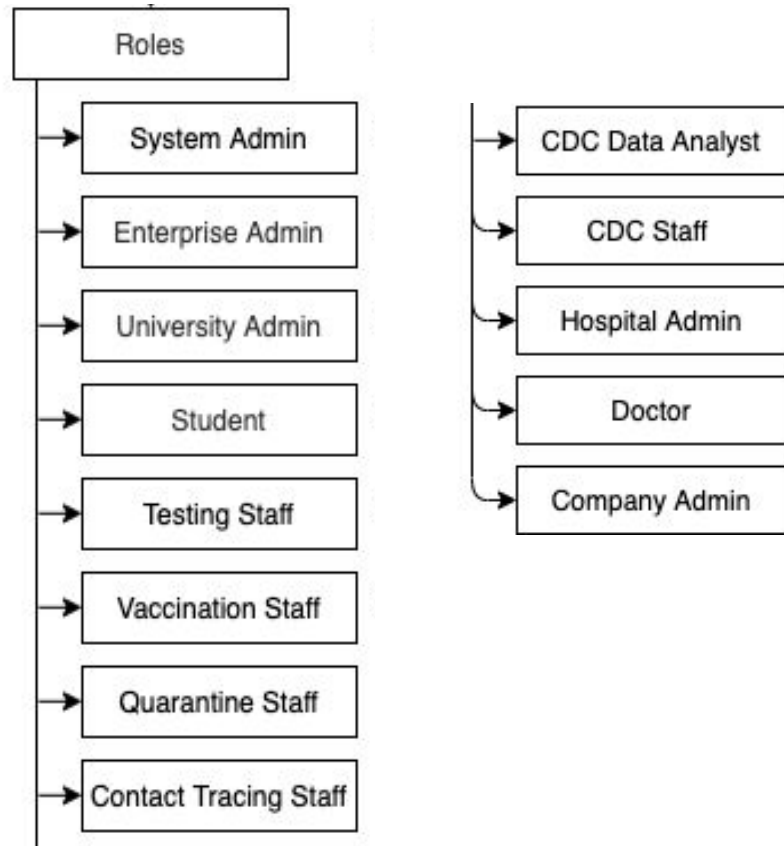
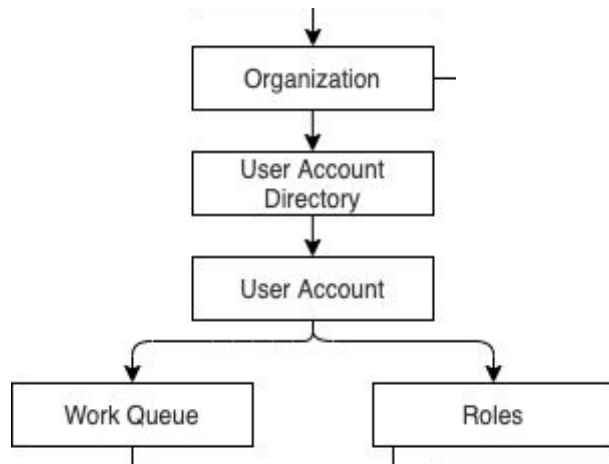


# 1. Architecture Diagram





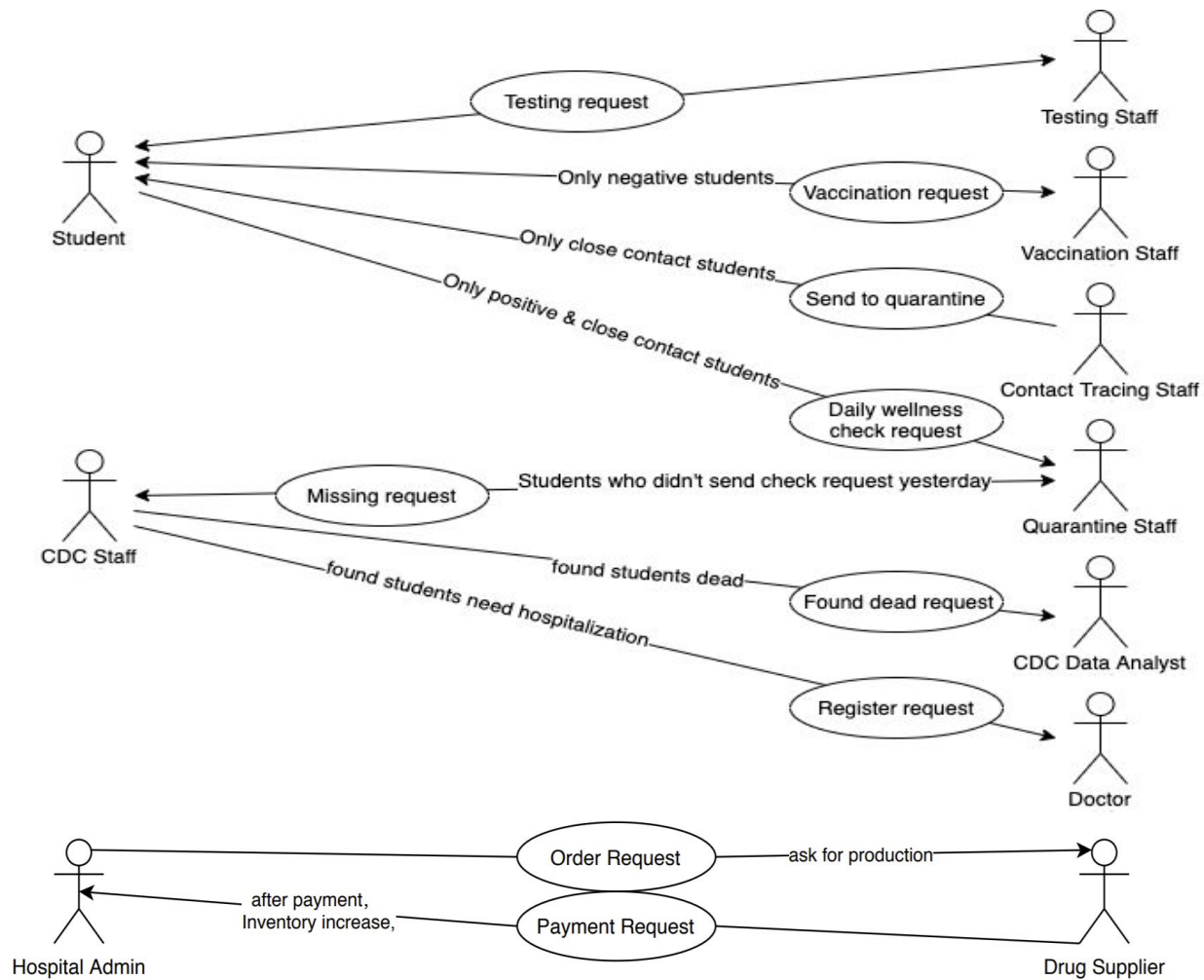




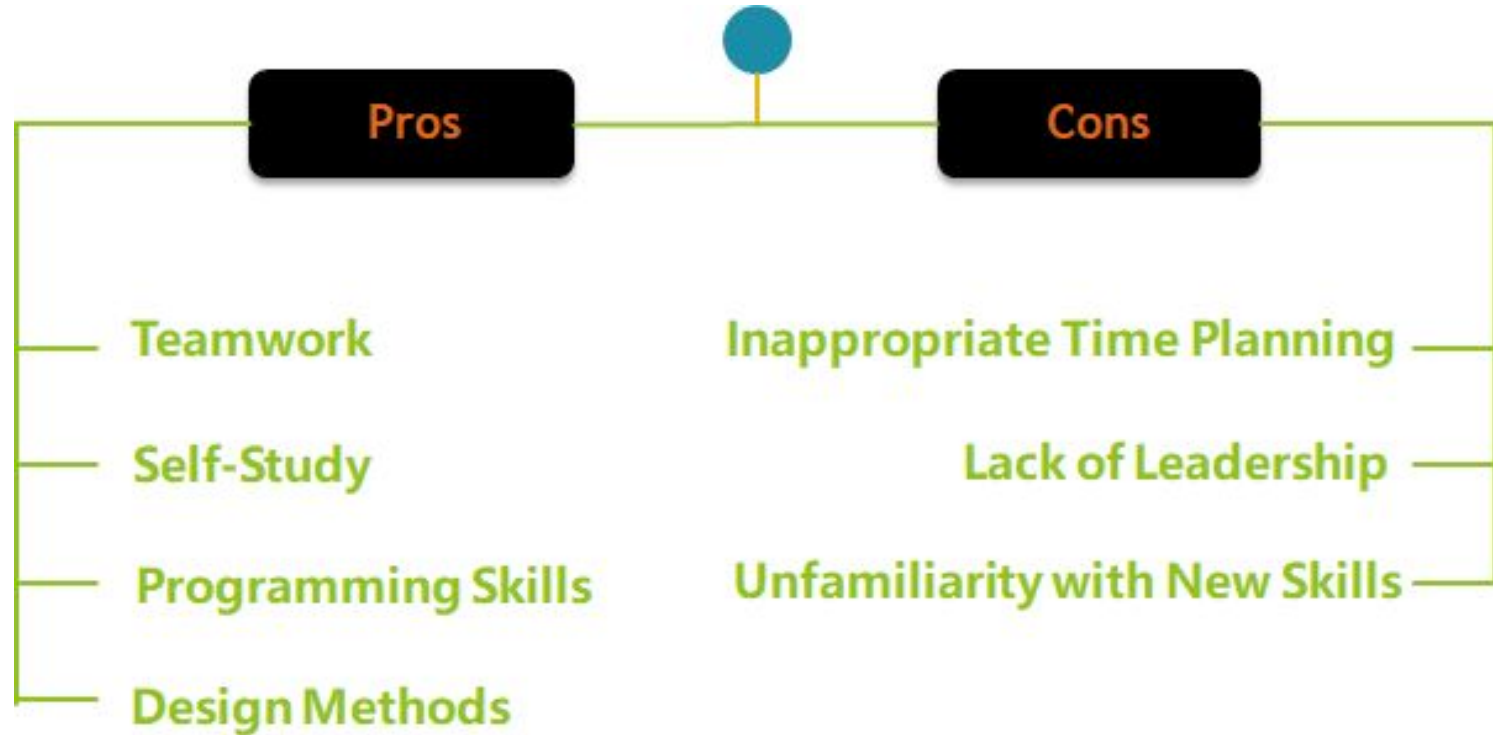




## 2. Flow Diagram



# Lessons Learned




## Future possible enhancements



### More Supports

#### Stronger ability to deal with data

- Connection with tools like SQL to deal with lager data sets



### Better GUI

#### More functions to develop:

- Query function
- Alert function
- Recording modification fuction...

Let's go  
run the  
system!

