AED Final Project

——City Healthcare System

Name:Jinli Yu

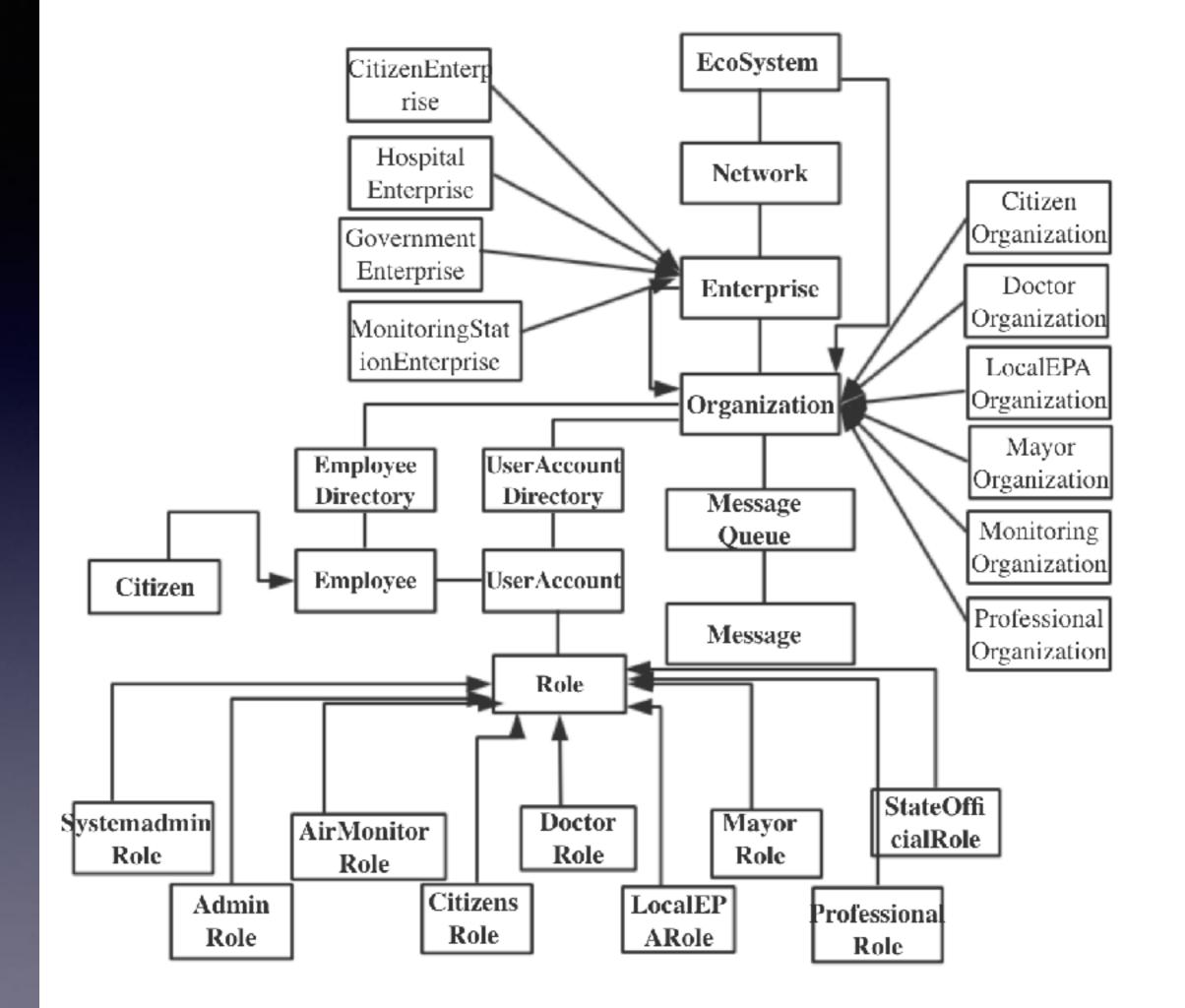
NUID:001617781

Problem Statement

- The health condition of citizens is important to a city. It is related closely to the happiness level and the development of a city.
- However, it is usually difficult for government to monitor the health condition of citizens frequently and to make decisions correspondingly.

The proposed solution

 Develop an IOT application that will enable a city to monitor the health conditions of its population.



Key Roles

- Citizen Role:Input their vital signs and health condition at regular intervals/check result calculated by this system/reset user password
- Doctor Role: Create user account and input basic information for citizens/check vital signs citizens input

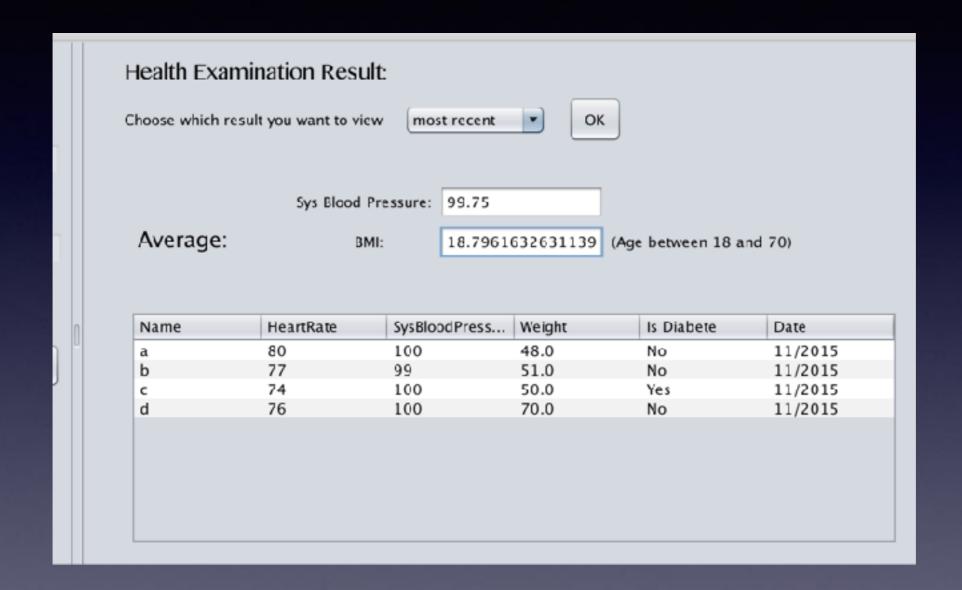
Key Roles

- Air Monitor Role: Acquire real-time data of air condition(AQI)
- Local EPA Role:send warning messages to different kind of citizens according to the data of air conditions
- Professional Role:view the results of collected vital signs/send health report of whole city to mayor

Key Roles

- Mayor Role: Check warning messages send by state health officials/read health report send by professionals
- State Health Official Role: view the result of collected vital signs/send warning to mayors

Key Features



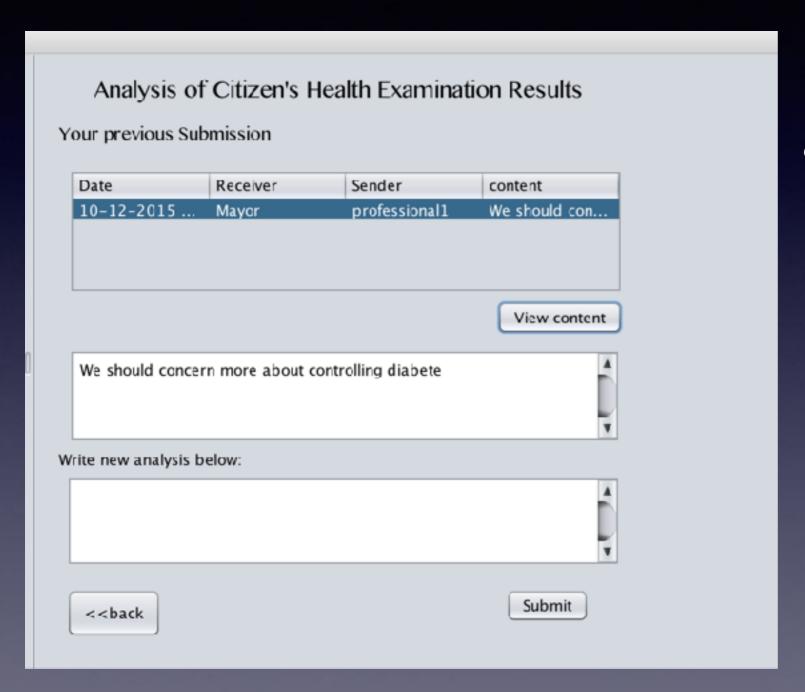
 Calculate the average value of some vital signs and basic information automatically

Key Features

Ave	rage Age: Height	30 164.5	cm (Over 18	8 years old people)	
	Name	Sex	Age	Height	
	Z	female	23	167	
	x	male	10	147	
	v	female	76	162	
	р	female	14	156	
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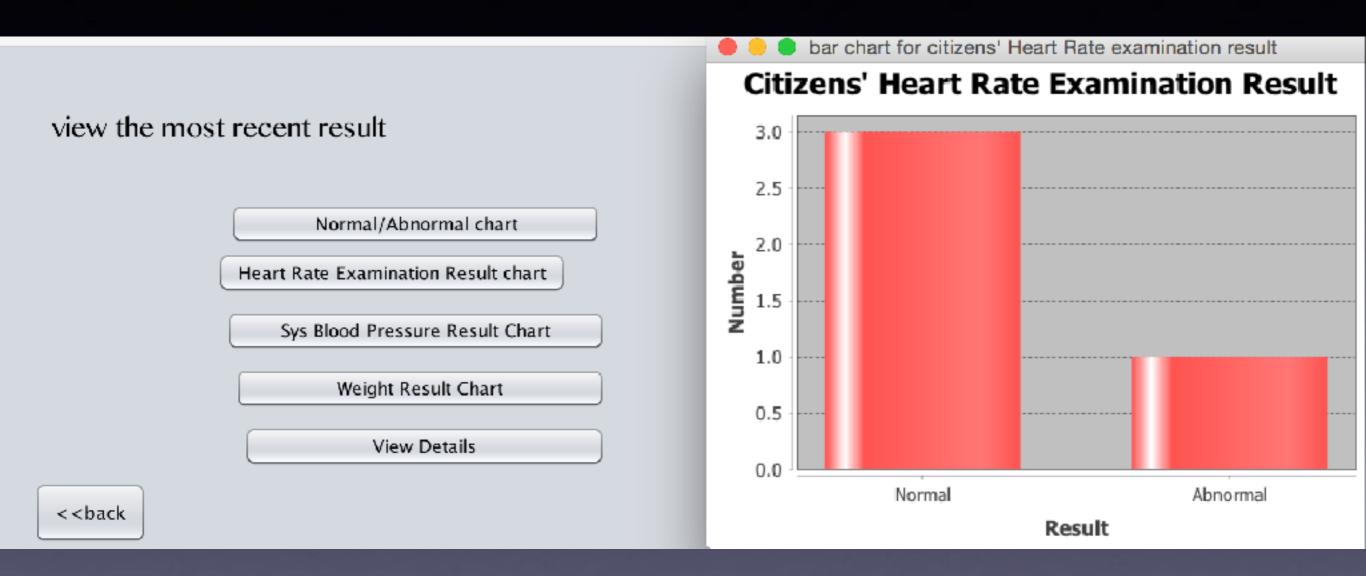
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Key Features



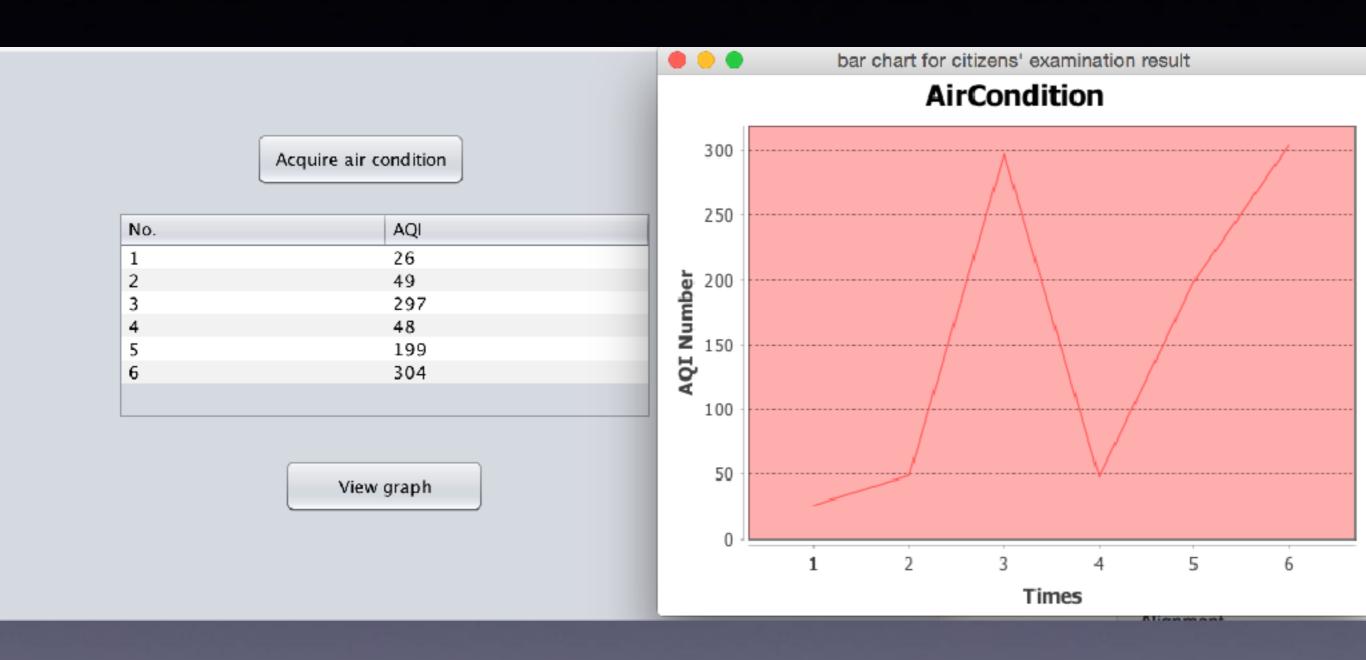
 There are communications between different roles. Such as Mayor and State Health Official, local EPA and citizens.

Extra Features



 Some of the results could be viewed by bar chart or line chart.

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