

Medi Rescue

HealthCare During Disasters



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Problem Statement

- The unified platform for accessible medical care is designed to seamlessly integrate various healthcare stakeholders, creating a cohesive system to provide efficient and timely medical services to communities during uncertain conditions such as natural calamities. This platform acts as a central hub, bringing together healthcare professionals, emergency responders, and support organizations to streamline medical services and ensure effective health interventions for those in need. By facilitating communication and collaboration among different entities within the healthcare ecosystem, the platform enhances coordination, resource allocation, and decision-making, ultimately contributing to the optimization of medical care delivery in the face of challenging circumstances like natural disasters.

Our Approach



A network of Healthcare institutes, government , Ngo is created to facilitate healthcare in the region of disaster.



Updates on the type, severity, and geographic location of natural disasters prompt the implementation of essential measures to set-up healthcare facilities.



The government ensures that hospitals establish health camps in various locations based on the prevailing needs.

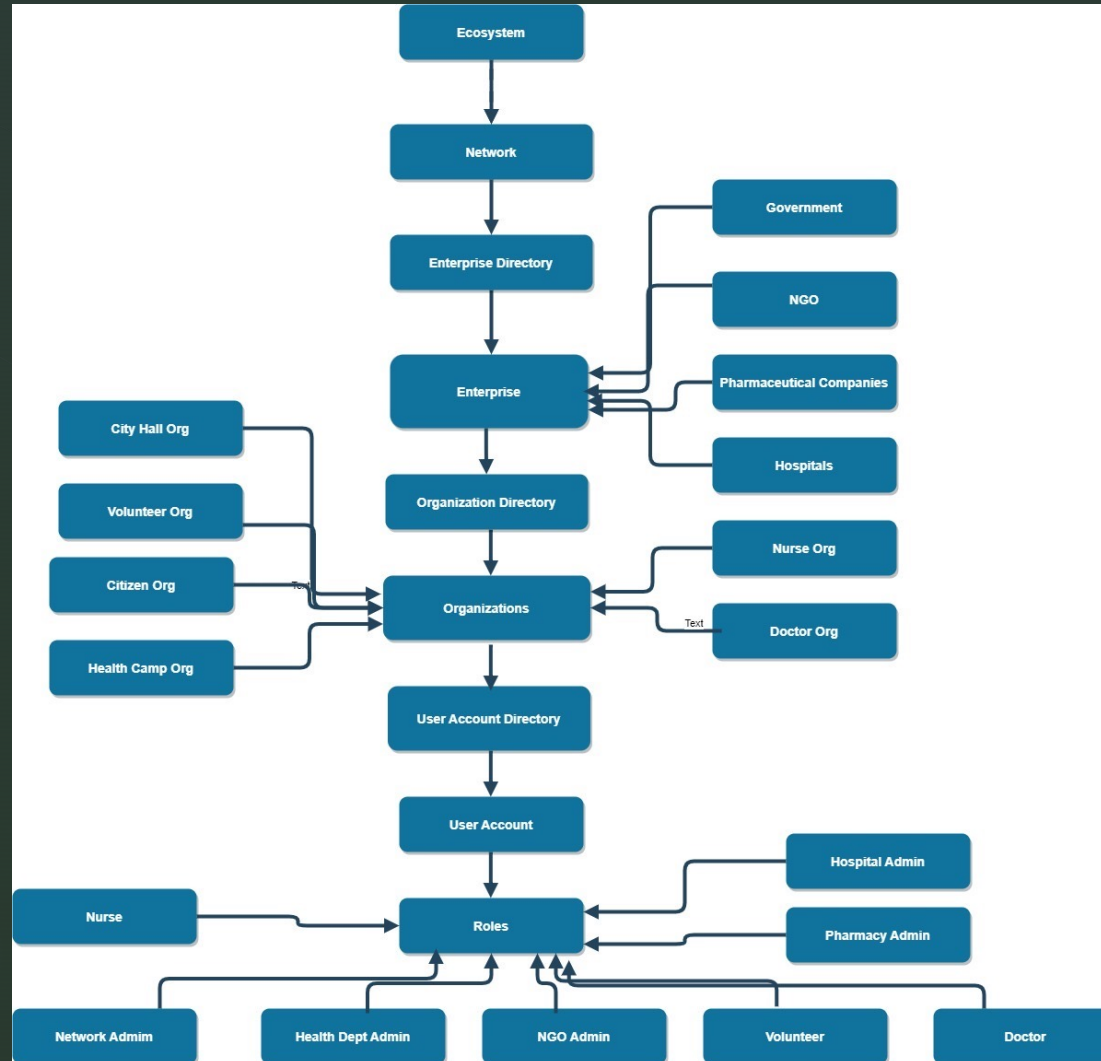


Doctors, nurses, and volunteers from different NGOs are designated to support and facilitate health camps.

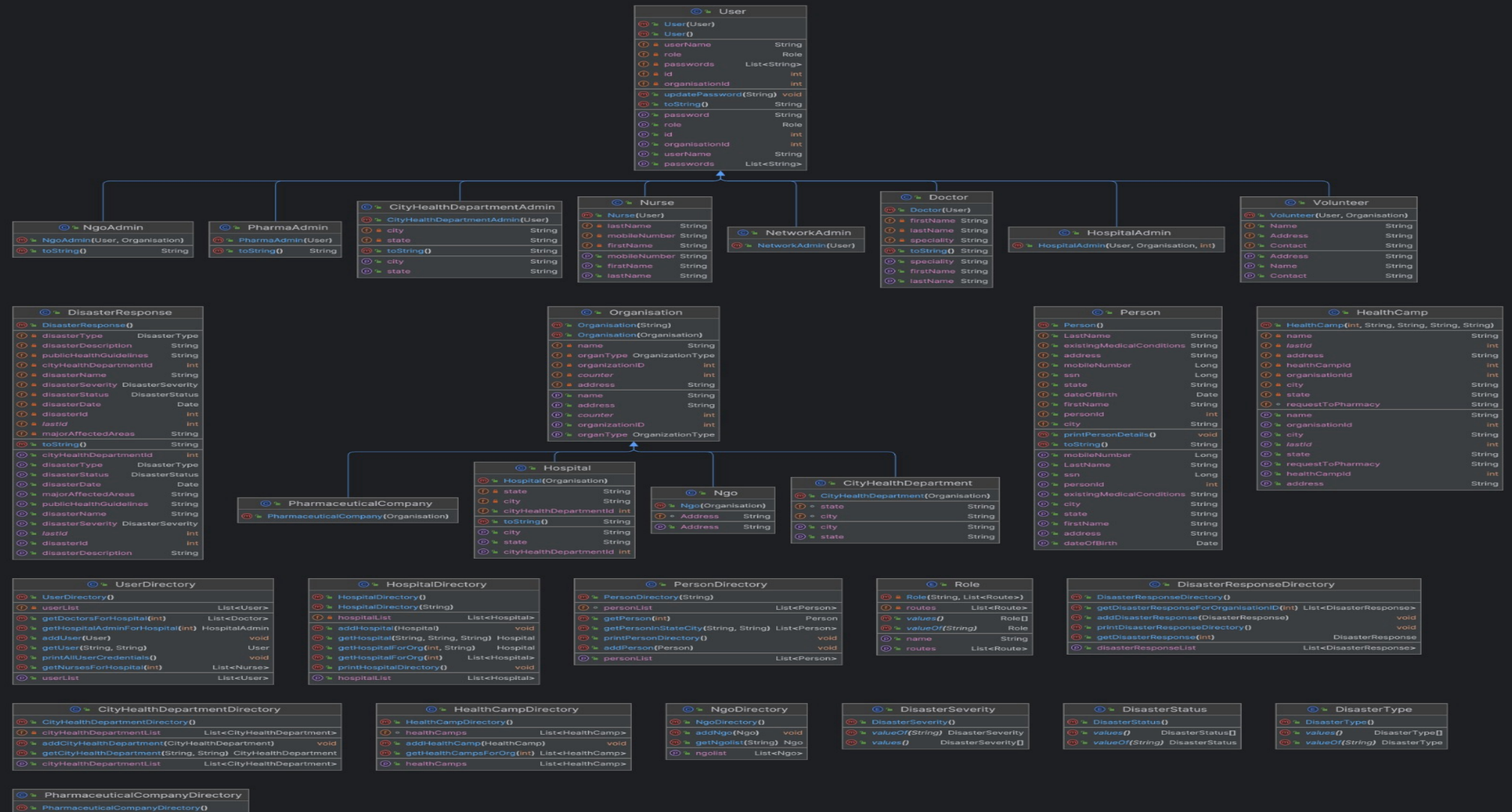


Pharmaceutical companies have been introduced to supply

Architecture Diagram



Class Diagram



Use Cases Of Our ECO-SYSTEM

Platform updates resource availability during disasters, triggering alerts for rapid deployment of medical supplies and personnel to affected areas.

Activates medicinal consultations in disaster-stricken zones, guiding local healthcare professionals through teleconferencing for expert support.

NGO uses the platform to deploy volunteers to health camps and hospitals based on real-time needs, ensuring efficient assistance.

Hospitals employ the platform to swiftly set up health camps in disaster-affected areas, assigning doctors for a coordinated healthcare response.

Patients access their prescriptions through the platform, promoting transparency and understanding of medical recommendations.

Government agencies utilize the platform for real-time tracking of patients, enhancing coordination and resource allocation in disaster response.

ScreenShots

UserName:

Password:

Sign In

Register as NGO

City Health Department

Manage Hospital Data

Name:

Name of hospital	Address	Number of available ...	Number of available ...	Active health Camps

Hospital Name:

User Name:

Address:

New Password:

Confirm Password:

Manage disaster responses for city

Name	Disaster Type	Date	Severity level	Status

Disaster Status:

Severity Level:

Public Health guidelines

Major Affected Areas:


Manage Citizen Data

First Name: Last Name: DOB: 

First Name	Last Name	DOB	Mobile Number

First Name:

Last Name:

DOB: 

SSN:

Address:

Raising disaster response for \${city}

Disaster Name:

Disaster Type:

Item 1



Severity Level:

Item 1



Date of Occurance:



Public Health guidelines

Major Affected Areas:

Raise SMS alert to citizens

☐

Yes

☐

No

Raise Response

Health CamP

Health Camp

Health Camp Name:



Health Camp Address :

List Of Alloted Doctors

Doctor Name	Doctor ID	Specaility

List Of Alloted Nurses

Nurse Name	Nurse ID

Add OR Manage Volunteer

Volunteers IN HealthCamp

Health Camp Name:



Health Camp Address :

List OF Volunteers

Volunteer Name	Volunteer ID	Age

Request For Additional Volunteers

Doctor

Prescription For The Patient

Patient's Name :



Patient's Age:

Patient's Gender :

Summary :

Prescription For Patient :

Medicine

Assign to Nurse

Doctor's DashBoard

Doctor's Name :



Doctor's ID :

Speciality :

Patients to Treat

Patient Name	Age	Gender

View Patient

Treated Patients

Patient Name	AGE	Gender

Prescribe

View Patient

Patient's Prescription

Patient's Name :

Patient's Age:

Patient's Gender :

Summary :

Prescription For Patient

Medicine Name	Dosage	Frequency	Duration



Patient Assignment Portal

Nurse's Name :

Nurse's ID :

Patient's Assigned TO ME

Patient Name	Age	Gender

Send to Doctor

List Of Treated Patients

Patient Name	AGE	Gender

View Patient's INFO

Nurse's DashBoard

Nurse's Name :

Nurse's ID :

View Assigned Patients & Assign Patient To Doctor

View Treated Patient INFO

Registration of Volunteer

Name:

Volunteer ID:

Age :

Phone Number :

UserName:

Password:

Address:

Register

NGO HomePage

Volunteer ID	Name	Age	Phone Number

Add

Remove

Pharmacy Dashboard

RequestID	Hospital Name	Health Camp Name

Requested Medicines:

Approve Request

Reject Request

Volunteer's DashBoard

Patient's LIST

Patient Name	Patient ID	AGE	Gender

Remove

ADD

Conclusion

In our disaster healthcare system, four key enterprises collaborated seamlessly with eight organizations, contributing diverse expertise to address complex challenges. Roles, ranging from healthcare professionals to logistics coordinators, played vital functions in ensuring an effective response. A robust role-based authentication module, fortified with strong username and password capabilities, secured sensitive health data. Our reporting module offers a summarized view of critical system metrics, aiding administrators in data-driven decision-making. With a comprehensive configuration module, integrated test cases, and the use of a Faker module, our solution proves adaptable and effective in handling various disaster scenarios.