MediRescue

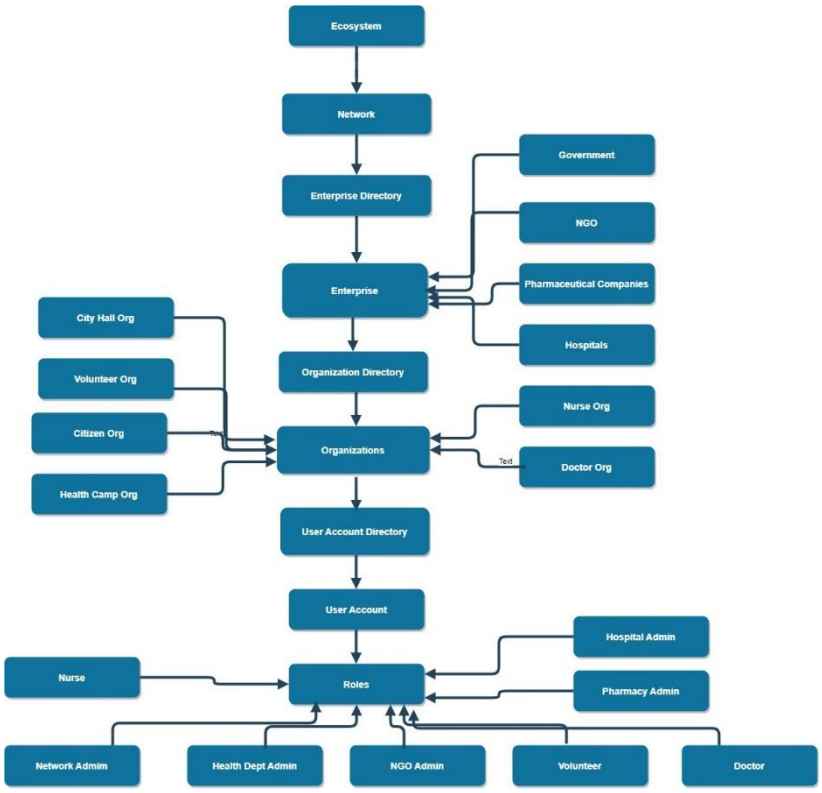
Introduction:

The project aims to develop a unified platform addressing the challenges associated with providing medical care during uncertain conditions, particularly natural calamities. This platform serves as a central hub, integrating various healthcare stakeholders to streamline medical services and ensure efficient and timely interventions for affected communities.

Proposed Methodology:

The proposed methodology for the Unified Platform for Accessible Medical Care involves a systematic approach beginning with a clear definition of the challenges associated with medical care during uncertain conditions. Through requirement analysis, system architecture design, and technology selection, the project aims to create a modular and scalable solution, utilizing the Swing framework for the user interface and implementing a secure role-based authentication module. The development includes dedicated modules for reporting, configuration, and a collaboration mechanism to ensure effective communication among healthcare stakeholders. Stakeholder contributions are meticulously mapped, and a comprehensive presentation will be prepared for a 45-minute live defense. Continuous refinement, documentation, deployment, and evaluation are integral steps, emphasizing the platform's adaptability to changing healthcare landscapes and the pursuit of continuous improvement.

Architecture Diagram



Class Diagram

Conclusion

Within our disaster healthcare system, a seamless collaboration unfolded among four pivotal enterprises and eight organizations, each offering diverse expertise to tackle intricate challenges. Various roles, encompassing healthcare professionals to logistics coordinators, played integral parts in guaranteeing a proficient response. Security was bolstered through the implementation of a robust role-based authentication module, featuring formidable username and password capabilities to safeguard sensitive health data. Our reporting module provides a condensed overview of crucial system metrics, facilitating administrators in making data-driven decisions. The inclusivity of a comprehensive configuration module, coupled with integrated test cases and the incorporation of a Faker module, underscores the adaptability and efficacy of our solution in managing diverse disaster scenarios.