CPSC 304 Project Cover Page

Milestone #: 1

Date: Jan. 27, 2025

Group Number: 98

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Domain

2. a) What is the domain of the application?
The domain of the application is disaster crisis response/logistics. The application is meant to address the challenges faced during natural disasters, where organizing volunteers, missions, and aid distribution can be overwhelming. This app will help make that process more efficient by ensuring that those in need get the help they need as quickly as possible.
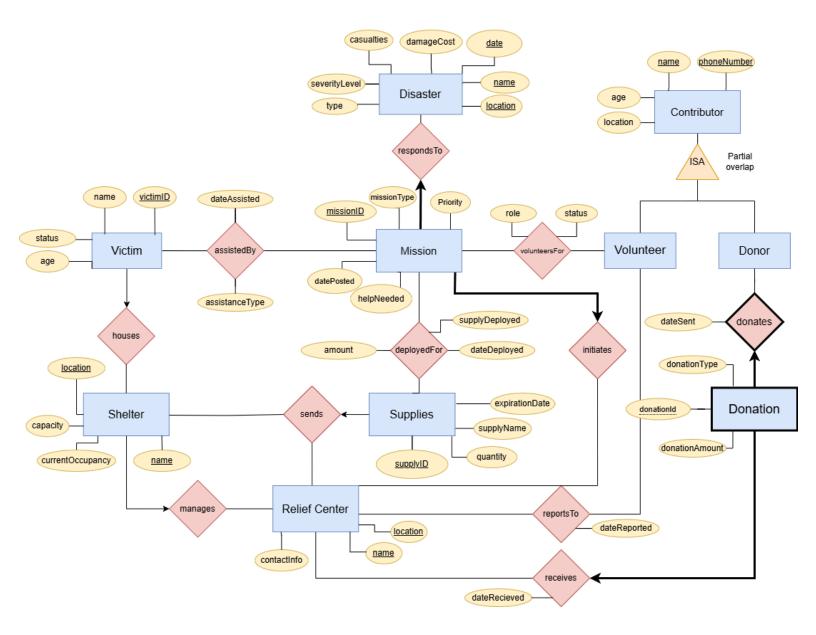
2. b) Aspects of the domain modeled by the database:
Disasters, relief centers, volunteers, donations, victims, missions/tasks.
The database focuses on ensuring that emergency aid reaches the people who need it the most in an organized manner. Users are able to donate or volunteer in order to help recovery after a disaster has transpired. The database keeps important records about supplies and donations, and how they are distributed amongst shelters. The database also organizes information about response missions and stores key information concerning a disaster. An example of a real life situation where this application could be applied to would be a wildfire. This application would be able to assign the victims to shelters with available space and resources.The victim could have been rescued by a mission that was organized by the application using volunteers in the system.

3. The database will provide users the ability to view disaster information such as the type, location, and severity. Users can contribute to disaster relief efforts by volunteering for various types of missions, and can donate funds/supplies. The database stores this information, allowing relief centers to initiate missions, assign volunteers to different missions and manage the distribution of supplies to different shelters, and missions. Lastly, it can generate reports on progress of disaster relief efforts, such as mission progress, resource usage, and donations received.

4. Disaster Relief ER Diagram

7. AI declaration
- Used for brainstorming entity names
- Prompt used for ChatGPT: help brainstorm attributes for a disaster and mission.