

Disaster Management System

Introduction

This project, the Disaster Management System, is designed to manage inquiries and support disaster victims efficiently. It facilitates logging inquiries from disaster victims, adding and managing disaster victim details, and handling their immediate needs such as dietary restrictions, medical records, and personal belongings.

Features

- **Manage Disaster Victim Entries:** Add and view details of disaster victims, including personal information, dietary restrictions, and contact details.
- **Log Inquiries:** Record inquiries from victims or concerned individuals, capturing essential details for follow-ups.
- **Dietary Restrictions Handling:** Support for logging and managing victims' dietary restrictions.
- **Medical Records Management:** Store and access medical records for disaster victims.
- **Supply Tracking:** Keep track of supplies allocated to victims, including type, quantity, and expiry dates.

Requirements

- Java JDK 11 or newer
- PostgreSQL database
- JDBC Driver for PostgreSQL
- Hamcrest-core-1.3

How to Use

- **Running the application:** Execute **Main.java** to start the application. Use the console interface to navigate through the options.

Compile: `javac -cp ".;junit-4.13.2.jar;hamcrest-core-1.3.jar;postgresql-42.7.3.jar" edu/ucalgary/oop/*.java`

Run: `java -cp ".;junit-4.13.2.jar;hamcrest-core-1.3.jar;postgresql-42.7.3.jar" edu.ucalgary.oop.Main`

- **Create Database for inquiry logger following the sql file.**
- **Navigating the User Interface:**
 - Select "Enter Disaster Victim" to add a new victim.
 - Choose "Log Inquiry" to record a new inquiry.
 - Exit the application by selecting "Exit".
- **Basic Operations:**
 - **Add a Disaster Victim:** Fill in the required fields in the GUI form and submit. Upon submitting you will see the data of the victim below in a table, Search option allows you to look for a specific victim by name.
 - **Log an Inquiry:** Provide the inquirer's details and the inquiry specifics in the console interface. This will update the database.

Running Tests

- Run unit tests using e.g. : `JUnitjava -cp .;junit-4.13.2.jar;hamcrest-core-1.3.jar org.junit.runner.JUnitCore edu.ucalgary.oop.SupplyTest.`

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