

INTRODUCTION:

This document serves as a guide to the Disaster System program developed by Rayyan Ahmed as part of the ENSF 380 course. The interface allows relief service workers to view, access and manage information about disaster victims and inquiries.

SYSTEM REQUIREMENTS:

- JDK 11
- PostgreSQL Database
- pgAdmin

HOW TO USE:

1. Create a database using PostgreSQL named “ensf380project” with the username “oop” and password “ucalgary”. (see useful commands)
2. Create a server in pgAdmin and import “project.sql” into the “ensf380project” database to initialize the database schema and populate it with test data.
3. Download and unzip the project folder and navigate to the project directory in your terminal.
4. Compile all the files using the appropriate command. (see useful commands)
5. Run the program using the appropriate command. (see useful commands)

USEFUL COMMANDS:

The commands used to create the database in SQL shell:

```
CREATE DATABASE ensf380project;  
ALTER DATABASE ensf380project OWNER TO oop;  
GRANT ALL PRIVILEGES ON DATABASE ensf380project TO oop;
```

The command used to compile all files at once:

```
javac -cp .;junit-4.13.2.jar;hamcrest-core-1.3.jar edu/ucalgary/oop/*.java
```

The command used to run the main system and interface with database:

```
java -cp .;postgresql-42.7.3.jar;junit-4.13.2.jar;hamcrest-core-1.3.jar  
edu.ucalgary.oop.DisasterSystem
```

The command used to run all test files at once:

```
java -cp .;junit-4.13.2.jar;hamcrest-core-1.3.jar  
org.junit.runner.JUnitCore edu.ucalgary.oop.DisasterVictimTest  
edu.ucalgary.oop.FamilyRelationTest edu.ucalgary.oop.InquirerTest  
edu.ucalgary.oop.InteractionLogTest edu.ucalgary.oop.LocationTest  
edu.ucalgary.oop.MedicalRecordTest edu.ucalgary.oop.ReliefServiceTest  
edu.ucalgary.oop.SupplyTest
```