

Name: Rayyan Ahmed
UCID: 30146182

Please indicate which requirements you attempted to implement. We will not test any requirements which you indicate you did not attempt to implement, and you will not receive marks for these requirements.

1. Appropriate Data Structures: yes

- used lists and sets in place of arrays for optimal data structure

2. Family Relationship Consistency: yes

- two sided: methods in FamilyRelation.java add/remove for both people
- duplication prevention: equals method in FamilyRelation.java checks for duplicate objects
- series consistency: validateFamilyNetwork method in DisasterVictim.java links siblings

3. Supply Consistency: yes

- allocateSupply method in Location.java removes supplies from location, adds to victim

4. Use Database: yes

- project.sql integrated with project through JDBC, PostGresSQL, DatabaseUtils.java
- correct project name, username, password used to ensure compatibility with systems

5. Multiple Interactions with Inquirer: yes

- interactionLog.java, database records inquirers, repeat inquirers are also noted with ID

6. Interface to Enter DisasterVictims: yes

- DisasterSystem.java has interface system, allows workers to manage victim information
- interface split into location/central workers, location based workers manage victims
- uses temporary data structures to store and view victim data at different locations

7. Interface to Log Inquirer Queries: yes

- DisasterSystem.java has interface system, allows worker to manage inquiry information
- central based workers manage more broad information, logging inquiries, inquirers etc
- interface connected to the database to store, update and view inquiry information
- search method in DatabaseUtils.java allows for case insensitive search of inquirers

8. Age or Birthdate: yes

- set age/birth date methods in DisasterVictim.java ensure only one of them is used

9. Gender Options from File: yes

- gender options are read from .txt file in Gender.java and used in DisasterVictim.java

10. Dietary Restrictions: yes

- enumeration file used to store and use different dietary restrictions of a victim