Phase-3 End Project

Vaccination Center

PROJECT OBJECTIVE:
Build an application to manage vaccination centers working on distributing vaccines to all citizens of India

DEVELOPER DETAILS:
NAME : YENUGU SRAVANI
GitHub Repository: https://github.com/sravani343/JAVA-FSD.git

TOOLS AND TECHNOLOGIES:
The following technologies are used in the development of this application:

- Java
- Spring Boot
- Spring Data JPA
- Spring MVC
- MySQL Database

The tasks that need to be performed by:

- Create a database using MySQL
- Create the necessary code for the various layers of the application

  o Entity Layer: Create Vaccine Center and User entities with appropriate relationship mappings
  o Repository Layer: Create a layer for all database operations
  o Service Layer: Demonstrate dependency injection and interface segregation principle
  o Controller Layer: Expose necessary APIs such as:
    1. Add citizens to the database
    2. Retrieve all citizens
    3. Retrieve a specific citizen
    4. Retrieve all vaccination centers
    5. Retrieve a specific vaccination center by ID

Retrieve a specific vaccination center and all its citizens in that city

The flow and features of the application:

- User can log in to the application using the appropriate username and password.
- User can add the data of citizens to the MySQL database.
- User can retrieve all the citizens.
- User can retrieve the data of a specific citizen using id.
- Users can track the vaccination status of all citizens in the country.
- User can add a vaccination center to MySQL database.
- Users can map every citizen with a specific vaccination center.
- Users can enter a center id, and all citizens associated with that center will be retrieved.
- Users can retrieve all the vaccination centers.
- Users can retrieve a specific vaccination center by its id.
- Users can update the citizen's data.
- Users can enter a citizen ID and delete that citizen's data.
- Users can update the data of the vaccination center.
- Users can enter a center id and delete that center's data.

PUSHING THE CODE TO GITHUB REPOSITORY:

• Open your command prompt and navigate to the folder where you have created your files.

cd <Folder Path>

• Initialize repository using the following command:

git init

• Add all the files to your git repository using the following command:

git add .

• Commit the changes using the following command:

git commit . -m

• Push the files to the folder you initially created using the following command:

git push -u origin main