Create a **web application** using flask and SQLite **database** and demonstrates **CRUD** functionality.

* Creating an add user function
* Update function
* Edit function
* Delete function

I will be using Git as my version control system and hosting your code repository using GitHub

The frontend aspect of the app will use HTML templates to serve the web pages that allow the user to perform CRUD functionality

The backend aspect of the application will use SQLAlchemy to model and integrate with the database

This application hosted on a container to allow it to be deployed to a Docker Swarm.

The automation server is **Jenkins**

* Run unit tests.
* Build the Docker images.
* Push the Docker images to a registry.
* Deploy to a Swarm.

The final deliverable of this project is a GitHub repository containing all of the code you have written for this project, including the software source code, Jenkins configuration, Docker configuration and any related scripts.

Your GitHub repository should also contain the write-up for your project in the form of a README.md file.

Provide video evidence of your application and CI/CD pipeline working.