Setup Instructions

0. **Create your project with relevance files (app.py, models.py)**

1. **Navigate to the Project Directory**
   Open a terminal and navigate to the my_project directory:

cd my_project

2. **Install Dependencies**
   In the my_project directory, install the necessary dependencies:

pip install Flask Flask-JWT-Extended SQLAlchemy pytest httpx

3. **Create and Activate a Virtual Environment**
   If not already done, create a virtual environment in the my_project directory and activate it:

python3 -m venv venv

source venv/bin/activate

4. **Install Additional Flask Dependencies**
   With the virtual environment active, install additional Flask-related packages:

pip install Flask Flask-Migrate Flask-SQLAlchemy Flask-JWT-Extended

5. **Database Setup**
   Navigate to the flask directory, initialize the database, and apply migrations:

cd backend (or replace with the name of the folder that app.py and models,py inside)

flask db init

flask db migrate -m "Initial migration"

flask db upgrade

6. **Run the Server**
   Start the Flask server on port 8000:

flask run --port=8000

If you encounter an error saying "Address already in use," identify and stop the process using port 8000:

sudo lsof -i :8000

Then kill the process by its PID:

sudo kill -9 <PID>

re-run the server:

flask run --port=8000

Running Tests

To run tests, ensure you are in the project root directory, activate the virtual environment if necessary, and execute:

Pytest test_ver.py