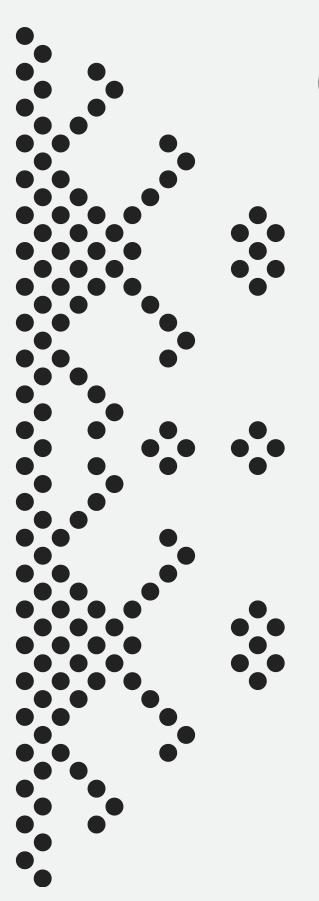


Leave Management System

Desinged by

Thi Nguyen



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1-Introduction

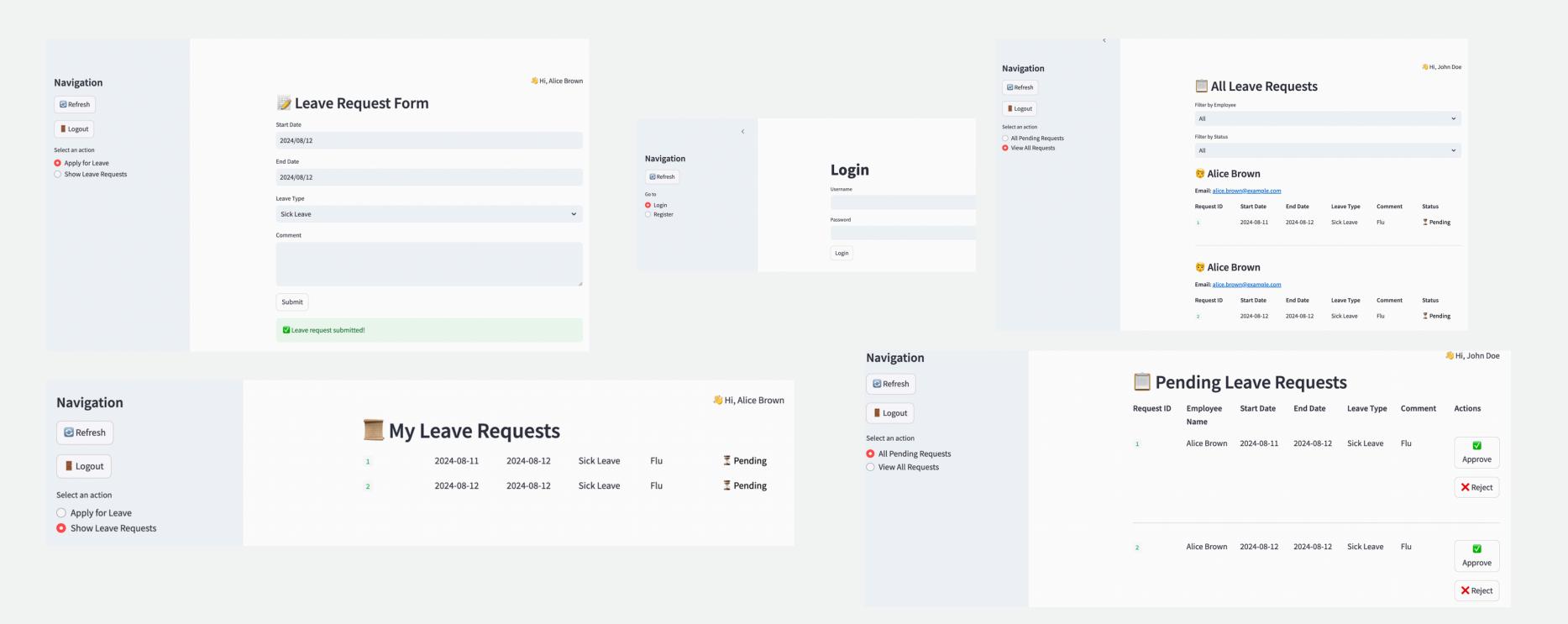


- This is a Streamlit-based Leave Management System that allows managers and employees to manage leave requests.
- Features:
 - User Authentication: Register and log in as a manager or employee.
 - Leave Requests: Employees can apply for leave, and managers can approve or reject requests.
 - o Dashboard: Separate dashboards for managers and employees to manage and view leave requests.



2-Quick demo







user profile sample



Manager

manager user	pass	name	email
manager1	manager1 pass	John Doe	john.doe@example. com
manager2	manager 2pass	Jane Smith	jane.smith@exampl e.com

Employee

employee user	pass	name	email	manager
employee1	employee1 pass	Alice Brown	alice.brow n@exampl e.com	manager1
employee2	employee2 pass	Bob White	bob.white @example. com	manager1
employee3	employee3 pass	Kate Park	kate.park @example. com	manager2



3 - Setting Up Instructions



```
Folder Structure
 Leave-Management-System/
   — README.md
                        # Project documentation and setup instructions
    - create_tables.sql # Database schema script
    — leave_management.db # SQLite database file
                        # Main application code
    – main.py
  — requirements.txt # List of neccessary dependencies
```

Installation

1. Clone the repository:

```
git clone https://github.com/Kattie-Nguyen/Leave-Management-System.git
cd Leave-Management-System
```

2. Set up a virtual environment:

```
python3 -m venv venv
source venv/bin/activate # On Windows: .\venv\Scripts\activate
```

3. Install the dependencies:

```
pip install -r requirements.txt
```

4. Create the database using create_tables.sql with SQLite:

```
sqlite3 leave_management.db < create_tables.sql</pre>
```

5. Run the application:

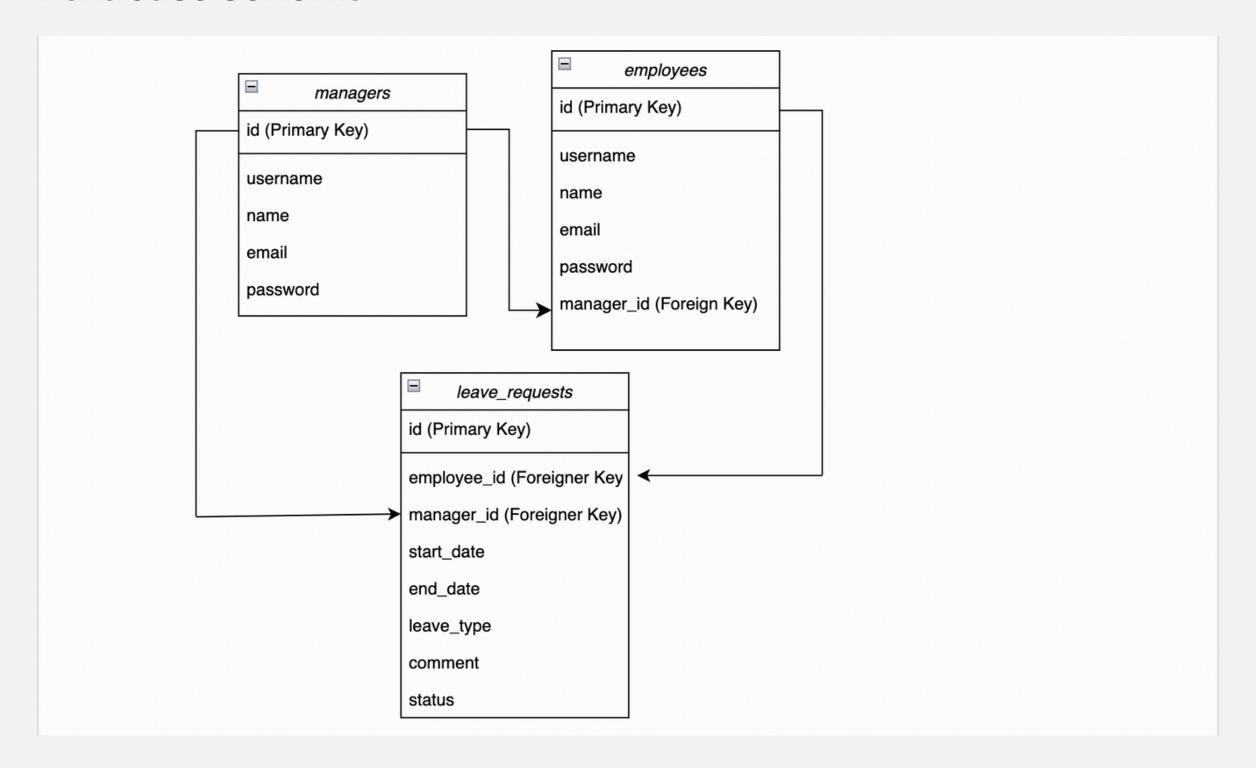
```
streamlit run main.py
```



4 - Backend Overview



Database Schema

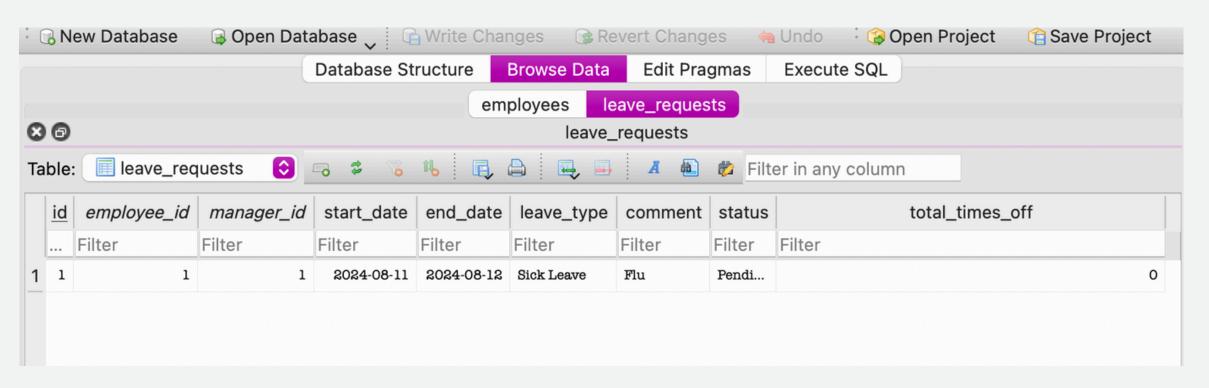


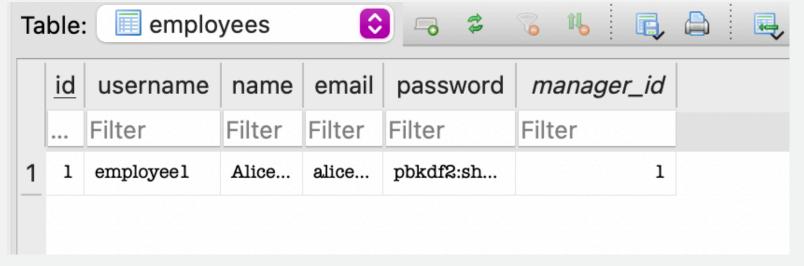


4 - Backend Overview



Database in SQLite





	<u>id</u>	username	name	email	password •
	•••	Filter	Filter	Filter	Filter
1	1	managerl	John Doe	john.doe@example.com	pbkdf2:sha256:26000



4 - Frontend Demo



Test Register Function

- Register new manager
- Register new employee
- Register with an existing account

Test Login as Employee and Employee Page

- Create Leave forms with max 10 submissions
- See "View My Leave"
- Log out

Test Login as Manager and Manager Page

- Log in as manager
- Check all pending requests
- See all requests and filter by employee and status

Return to Employee Dashboard

- Log in as the employee again
- View the status of leave requests to confirm updates



Thank you for listening