

TUITION REIMBURSEMENT MANAGEMENT SYSTEM (TRMS)

Project Overview

Developed a Tuition Reimbursement Management System (TRMS) using Python (PyCharm Community Edition) for the backend and HTML, CSS, and JavaScript (VS Code) for the frontend. Implemented employee, manager, and administrator workflows for submitting, reviewing, and managing tuition reimbursement requests. Designed comprehensive testing strategies, including unit, integration, functional, boundary, exception, and user acceptance testing, to ensure application reliability and maintainability.

The application keeps track of:

- Employee information
- Tuition requests
- Course details
- Request status
- Manager comments

This project simulates a small HR application used by many companies.

Features Include:

Employee

- ✓ Login
- ✓ Submit reimbursement request
- ✓ View request history
- ✓ Upload course information
- ✓ Check request status

Manager

- ✓ Login
- ✓ View all requests
- ✓ Approve request
- ✓ Deny request
- ✓ Leave comments

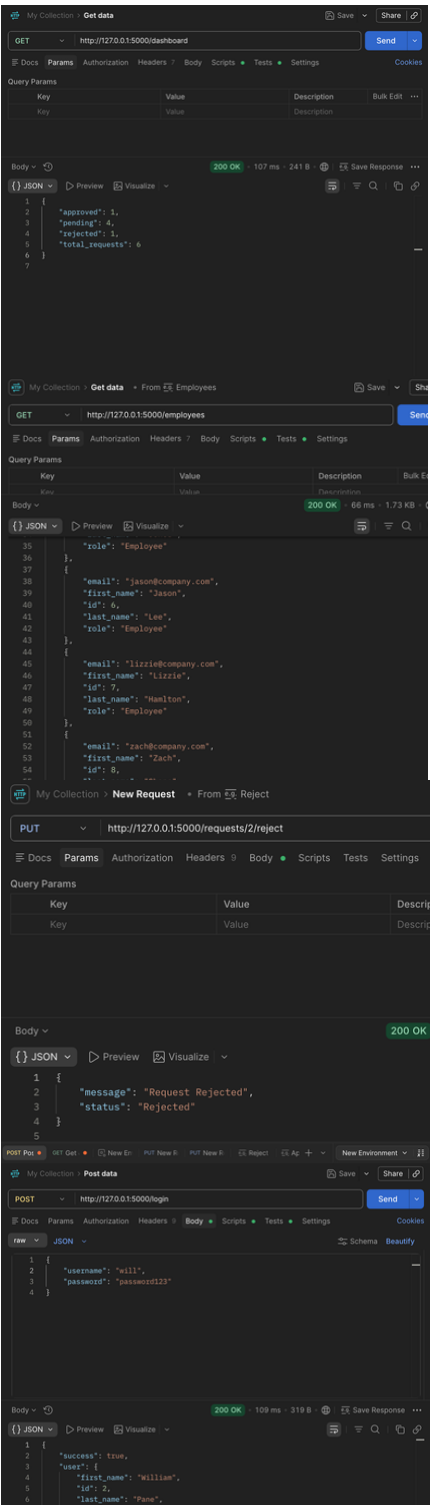
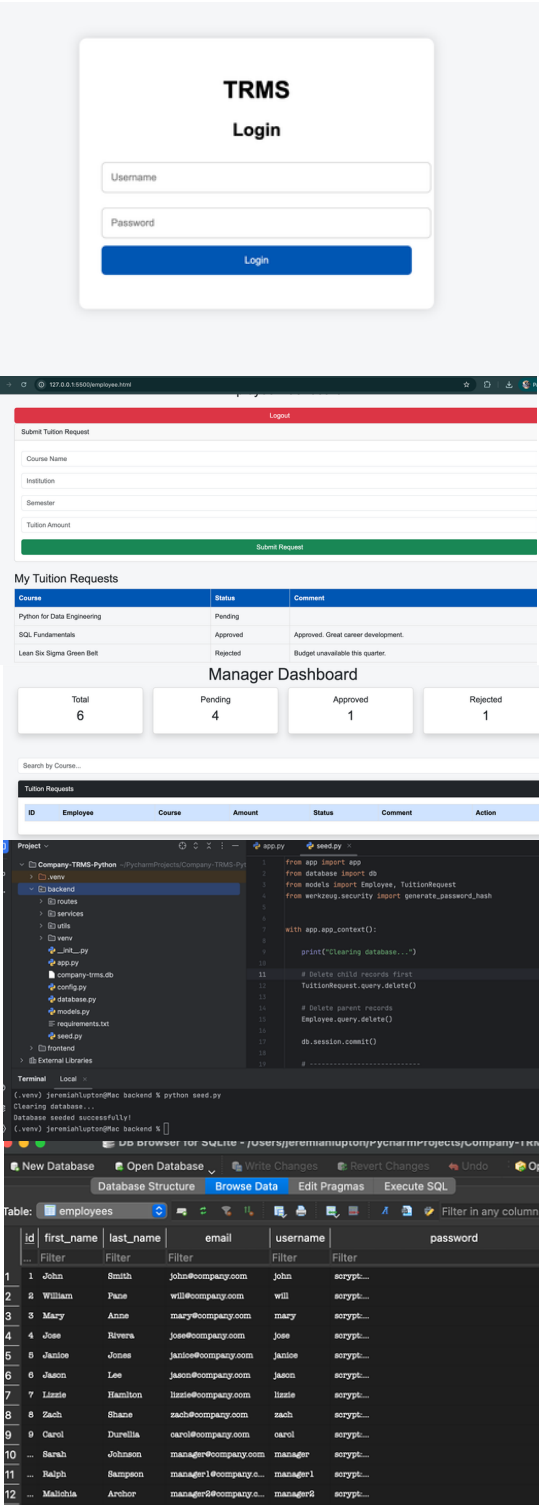
Admin

- ✓ Add employees
- ✓ Delete employees
- ✓ View reports

Technologies

- Backend: Python 3 (PyCharm Community Edition)
- Frontend: HTML, CSS, JavaScript (Visual Studio Code)
- Data Storage: SQLite
- Version Control: Git & GitHub
- QA Testing: POSTMAN, Pytest

Site Visual Outcome



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