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CMPE321 - INTRODUCTION TO DATABASE SYSTEMS
PROJECT3 - PROJECT MANAGEMENT SYSTEM

1.Introduction

In this project there is a project management system with two type of users, admin and project manager, who manage projects, tasks and employees.

I use Django for backend, PostgresSql for database.

I use raw sql for every database operation. There is an initializer code for database. There is a sql injection protection based on python library(psycopg2).

I create a table NoP for store number of projects that assigned on a project manager.

I create two triggers for updating NoP whenever a new project assign or an assignment delete.

There is 3 pre-defined admin accounts.

First page of web site is localhost:8000/login by default.

2. Interface

Login Page

Login

User Name:

Password:

Login

Main page when login as admin

Hello admin1

Add Project Manager

Edit Project Manager

Delete Project Manager

Add Project

Edit Project

Delete Project

Add Employee

Edit Employee

Delete Employee

List All Employees

List Projects

Logout

Project List

Project Manager Name:

Project List

Completed Projects

Incompleted Projects

('PROJE3',)

Add Project Page

Add Project

Project Name:

Start Date:

Estimated total work-days:

Name of the project manager who will be assigned to this project. (Please use a comma to separate multiple names. Write "None" to assign nobody except auto assign.)

Main Page when login as PM

Hello ali

3. Database



4. Conclusion

User interface could be better for usage.