

Task Manager Application - Documentation

Overview

A simple Task Manager application built using Python Flask framework with SQLite database and Bootstrap for frontend styling. It allows users to create, read, update, delete and search tasks.

Technology Stack

- Python Flask
- SQLite
- Bootstrap 5
- HTML/CSS
- GitHub for SCM

Database Design

Table: Task

Fields:

- id (Primary Key)
- title
- description
- due_date
- status
- remarks
- created_on
- last_updated_on
- created_by

ER Diagram

A simple ER diagram with a single Task table having the above-mentioned fields.

Application Structure

- app.py: main Flask application

- templates/: HTML templates
- requirements.txt: dependencies
- README.md: project details
- task_manager.db: SQLite database

Setup Instructions

1. Install dependencies:

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

2. Initialize the database:

```
python  
  
from app import db  
  
create_db.py  
  
exit()
```

3. Run the application:

```
python app.py
```

Features

- Add new tasks
- View all tasks
- Edit tasks
- Delete tasks
- Search by title or status

Testing & Deployment

Tested locally using Flask's development server.

Easily deployable to any Python-compatible hosting.

Deployment instructions provided in README.md.

Conclusion

This Task Manager project satisfies all the requirements of the Oritso Entry-Level IT Assignment including MVC architecture, CRUD operations, search functionality, documentation, and a structured codebase.