PERSONAL TASK MANAGEMENT

BY:
DIVYA DHARSHINI S – 23CDR044
HEMAPRIYA V S - 23CDR058

OVERVIEW:

The Personal Task Manager with Categories is a Python-based web application that helps users organize their daily activities by creating, categorizing, and managing tasks with due dates. It is designed to improve personal productivity through timely reminders and structured task organization. Built with Python in the backend and a relational database to store data, the system supports both guest and registered users, offering personalized task management features.

DESCRIPTION:

This project leverages Python (with frameworks like Flask or Django) for backend development and integrates with a relational database (like MySQL or SQLite) to store users, tasks, and category data. Users can create tasks, assign them to categories (e.g., Work, Personal), set due dates, and receive daily notifications such as "You have this task today: [Task Name]." Registered users gain access to advanced features like task editing, deletion, status updates, and a personalized dashboard. This application showcases the integration of Python logic, user authentication, and database management in a real-world productivity tool.
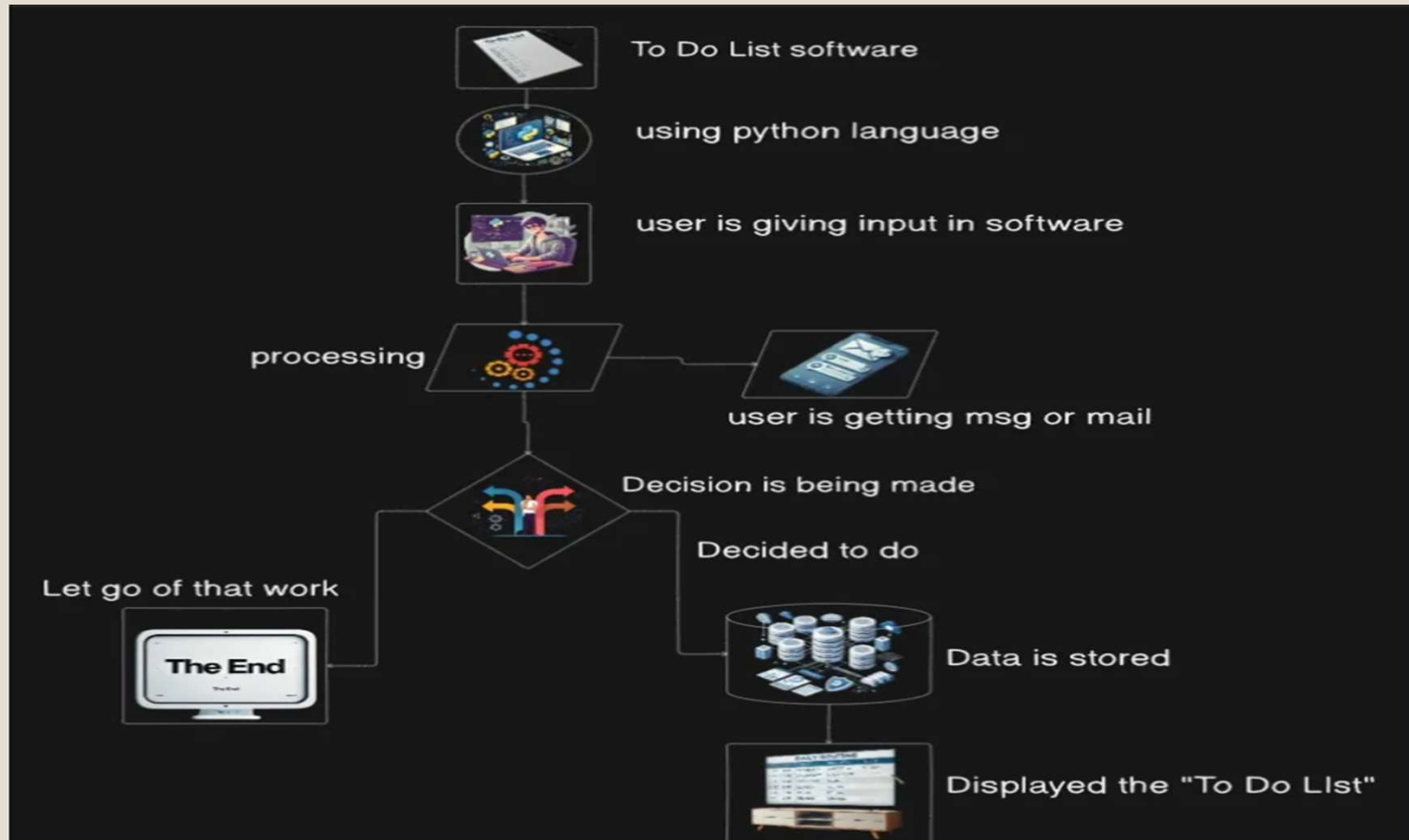
Application Architecture:

• Python (Flask/Django) – For backend server logic and routing

• HTML/CSS & JavaScript – For frontend interface

• MySQL/SQLite – To store tasks, categories, and user data

• Jinja2 (Flask) or Django Templates – To render dynamic content

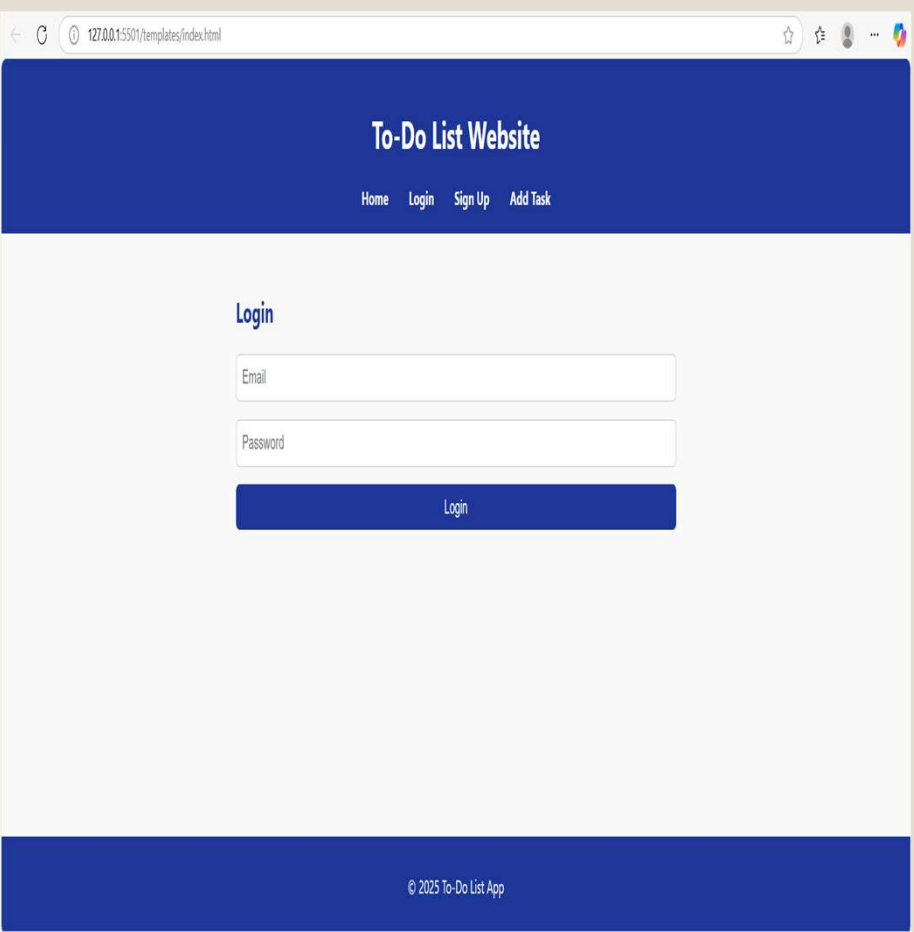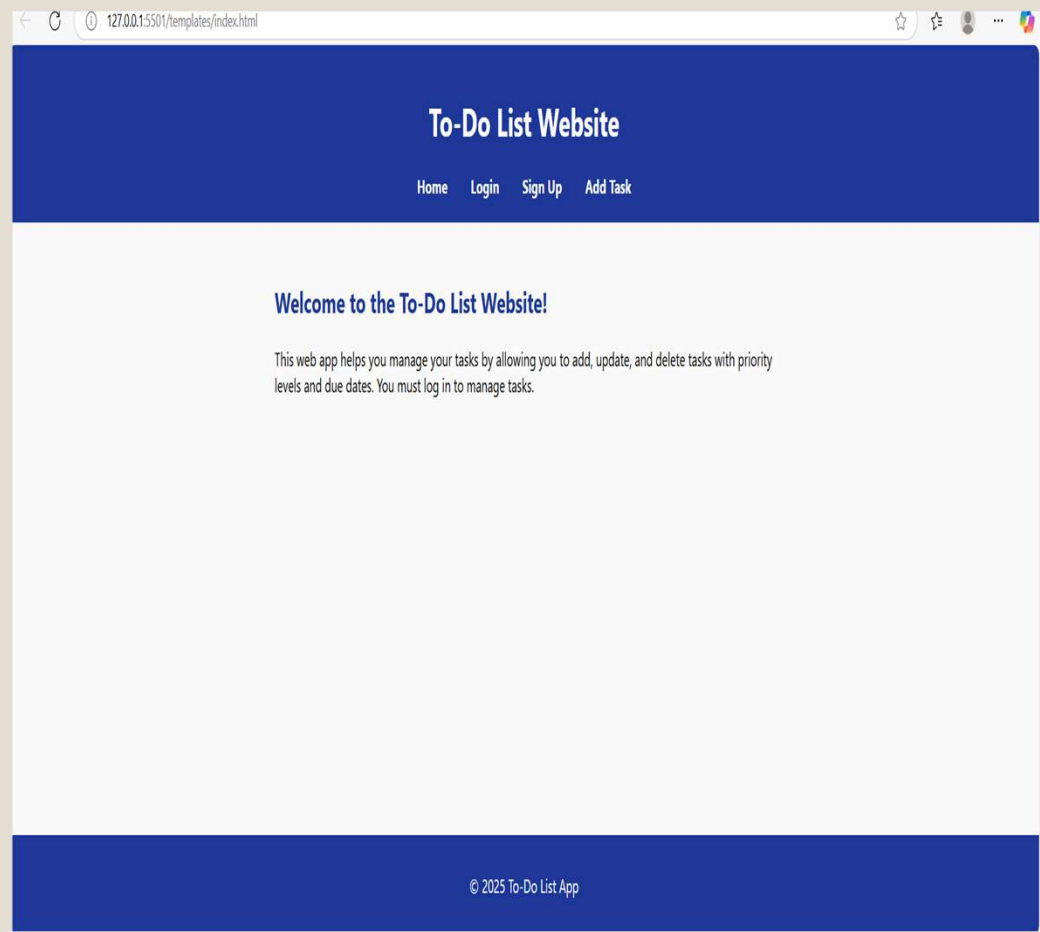• APScheduler / Cron Jobs–For sending daily task notifications(optional)

PYTHON BACKEND FUNCTIONALITIES:

- Add/edit/delete tasks via Python backend

- Assign tasks to categories

- Store due dates in the database

- Display tasks by category/status using Python views

- Registered user login, signup, and dashboard

- Notifications generated using scheduled Python functions

FLOWCHART:

To-Do List Website

Home   Login   Sign Up   Add Task

Welcome to the To-Do List Website!

This web app helps you manage your tasks by allowing you to add, update, and delete tasks with priority levels and due dates. You must log in to manage tasks.

© 2025 To-Do List App

To-Do List Website

Home   Login   Sign Up   Add Task

Login

Email

Password

Login

© 2025 To-Do List App

OUTPUT:

THANK YOU