Author

Aarya Chetan Motiwala 21f1003998 21f1003998@student.onlinedegree.iitm.ac.in

About me

I am an aspiring Data Scientist, currently in 3rd year of MIT- WPU college as well as in the diploma level of IITM BS degree. I am learning subjects like Statistics, Mathematics, Machine Learning, Application development so that I can create stories from the data.

Description

A Kanban board is a framework designed to help teams visualise their workflow.

It is used for tracking tasks and maximising the efficiency of work.

It involves Lists and cards which users can create, update and delete as per their preferences and also view the overall progress of tasks.

Technologies used

Flask:

It is a Python web framework that provides tools and features for creating web applications using Python. It uses the Jinja Templates which helps building dynamic HTML pages using Python concepts such as loops variables etc.

Flask wtforms:

WTForms is a tool for form handling. It makes form rendering and validation more efficient

flask_sqlalchemy:

It is a Flask extension that provides tools and methods for communication between Python programs and databases

Flask_login:

It is a module that helps in handling logging in, logging out, and also helps in user's session management.

Matplotlib:

To track progress of tasks over time It would be easier for users to have graphical or an interactive visualisation of their progress and Matplotlib is data visualisation and graphical plotting library which could help summarise graphics of task completion.

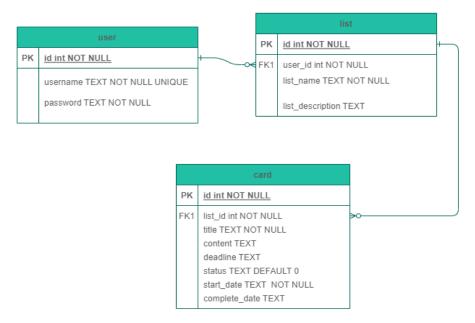
Datetime:

To keep track of deadlines and task completion Datetime is a useful module in python

Logging:

Logging modules can be used to track down important errors by logging message so to keep track of events in the code and to make debugging easier Logging is useful.

DB Schema Design:



User table consists of all the users name and their password,

taskcompleted.html, tasktrend.html

List table consists of names of the lists and its description and since lists are different depending on user it has user id which is referenced to user table id.

Card table consists of columns like title, content, deadline, status, start date, complete date, now since each card is part of a certain list there is a list id which is referenced to list table id

Architecture and Features

Features:

This project has features like User login, Dashboard where you can add,update and delete list, i.e. it has list and card management. It also has a summary page to summarise date wise tasks completed etc. It also has a logging facility i.e. it keeps track of each and every step the user is performing in the program.

Video- Project Video