

Author

Ajit Arun Mundhe

21f1005097

21f1005097@student.onlinedegree.iitm.ac.in

Description

For coding a given web app we have to install different libraries,extensions, create templates and a database file to store data.

Technologies used

- 1) Flask
- 2) SQLAlchemy
- 3) Flask_sqlalchemy
- 4) Flask login
- 5) Flask form
- 6) Bcrypt
- 7) json

Flask is necessary for web app,SQLAlchemy for database,Flask login for login and validation,Bcrypt for password hashing

DB Schema Design

- 1) User table: it has 3 columns id,username and password
- 2) Trackers table: 6 columns
srno : serial no for tracker;
Username: username for which tracker is created;
Tracker : name of tracker;
Description : input description;
Tracker_type : input tracker type and
Mco : multiple choose options
- 3) Record table : it has 6 columns
Serial : serial for record(log)
User_id : user_id for which the log is made
Tracker_srno : tracker no for which log is made
When : timestamp
Value : input value for log
Notes : input note for log

Architecture and Features

I haven't used api so app.py is the main file which has all the coding and a templates folder which has all the templates

My sqlite was not deleting the foreign keys so i created a clear data button in login page which delete all unnecessary data from database

I have login,register,clear data buttons in login page for login create login user and clear data
If you try to login with wrong password or create a user with existing user it throws an alert

Video

https://drive.google.com/file/d/105kwY0dsHboVxv_j8FdqsbbKrf_ng4NN/view?usp=sharing

All details are not possible in the video as i had to edit this video and cut some part because of the time limit