Author

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About me:
I am a B.tech. 2nd year student at Gayatri Vidaya Parishad College of Engineering for Women.
I aspire to become a leading data scientist; this course has not only helped me in getting
closer to my dream but also helped me in my regular academics as an undergraduate
Compute Science student

Description

In the project "My QuantifiedSelf", I created a web application that tracks a user's activities. A
user logs into the application and can view their different trackers, on which they can perform
CRUD operations. Each tracker has its own logs which also supports CRUD operations
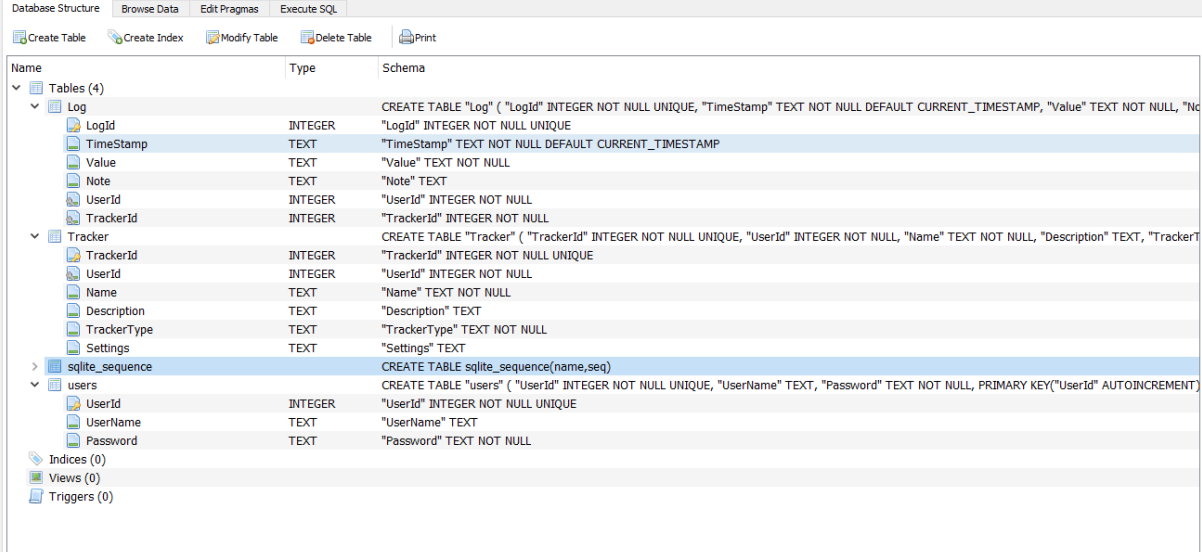
Technologies used

- Flask
    - Flask extensions- session, api, http, redirect, url_for, render_template, request,flash, app
- Jinja2 templates
- Bootstrap
- SQLite

Purpose:
- I used Bootstrap for HTML generation and styling
- SQLite for data storage and DB browser as the UI
- Flask for application code

DB Schema Design

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- I have designed the database based on the key features of this project
- I choose to have three main tables for the Users login (users), Trackers storage and retrieval(Tracker) and for the logs corresponding to the Trackers (Log)

API Design

1. APIs for interaction with trackers and logs
   a. CRUD on tracker
   b. CRUD on the tracker log event
   c. Additional APIs for getting trend lines

Architecture and Features

- All the html templates are in the templates folder
- There a single database in the project
- There is a static folder that stores the images to display the trend line graph for the tracker
- There are four python files

  Features
- User Login
- Dashboard
  o Dashboard with list of trackers
  o Time of last review
  o average value on tracker
  o Ability to go to logging view for any tracker (link on tracker name)
  o Ability to go to create or edit tracker
  o Ability to go the specific tracker details
- Tracker management- CRUD operations also trend line graph of a tracker
- Logging- CRUD operations

Video

https://drive.google.com/file/d/1_KjIDAuvBgt-7_TEpiSGDaeHyddfC2o6/view?usp=sharing