Final Project Report

Modern Application Development-1 | May 2022 Term | 21f1005570

Author

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Description

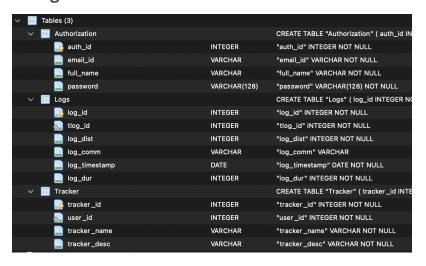
As per the problem statement, the following have been implemented:

- Creation of an activity tracking application with CRUD functionality
- Which are add, delete and modify trackers and their respective records

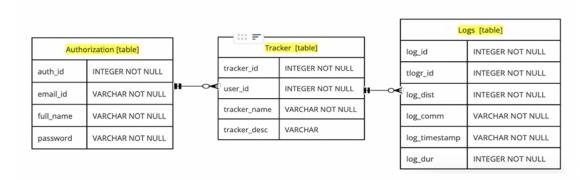
Technologies used

- Python: as core programming language
- Flask: as main framework for WebApp
- HTML/CSS: for WebApp layout
- Bootstrap/JS: for beautification of WebApp
- SQLite: for Database creation and data storage functionality
- Flask-SQLAlchemy: toolkit used to connect the database file with the WebApp

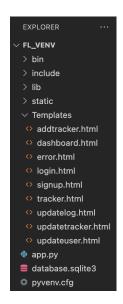
DB Schema Design



ER Diagram



Architecture



- app.py file contain the main codes and modules created to drive the WebApp
- Static folder contains all the CSS, JS, Images, etc to beautify the project
- Templates folder contains all the .html pages for purposes as their names suggest
- database.sqlite3 stores all the data entered in the WebApp.

Features

- CRUD operations on trackers and their records
- Real Time updating; Date vs
 Distance graphs for each tracker

Additional Features:

- Dedicated logout button
- Integrated login & registration pages

Video

https://drive.google.com/file/d/1XnDeAuEs9OIrAcO8hqsXtrLgbraX3ToL/view?usp=sharing