Quantified Self App

(hello)

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VIDEO

Click here

DESCRIPTION

Quantified Self App is a self tracking application which can be used to track one's habits, activities or any parameters like weight, mood, temperature etc.

TECHNOLOGIES USED

- Flask
- Flask-Sqlalchemy
- Flask-login
- Bootstrap

DB SCHEMA DESIGN

	Column Name	Column Type	Constraints
	id	INTEGER	Primary key, Not Null
Table 1: user	name	VARCHAR(30)	Not Null
	email	VARCHAR(50)	Not Null, Unique
	contactnum	VARCHAR(10)	Not Null
	password_hash	VARCHAR(150)	Not Null

	Column Name	Column Type	Constraints
	id	INTEGER	Primary key, Not Null
	name	VARCHAR(30)	Not Null
Table 2: tracker	description	VARCHAR(150)	
	tracker_type	VARCHAR(30)	Not Null
	settings	VARCHAR(150)	
	user_id	INTEGER	Foreign Key(user.id), Not Null

	Column Name	Column Type	Constraints
	id	INTEGER	Primary key, Not Null
	timestamp	VARCHAR(150)	
Table 3: log	value	INTEGER	
	notes	VARCHAR(150)	
	tracker_id	INTEGER	Foreign Key(tracker.id), Not Null
	user_id	INTEGER	Foreign Key(user.id), Not Null
	added_date_time	VARCHAR(150)	

ARCHITECTURE

- All HTML files are in Templates Folder, All images and CSS files are in static folder
- models.py contains database models, database.db file contains all tables and data stored
- routes.py contains all the routes
- CRUD is implemented for both trackers and logs. Users can create, update their info.
- Each tracker has its own page displaying logs related to that tracker and also a trendline of data
- Authentication is also taken care off, so that no user without your credentials can access those routes!