

# Quantify Me - Track all your daily activities!

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(Final Version - Project completed)

## Author

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**About Me:**

I am a Computer Science Engineering student, currently in my 2nd year. I am a coding enthusiast and I love building tools that help people in performing daily tasks!

## Description

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An application that allows the user to create trackers of different types to keep a track of their daily activities. The user can log these entries and see how they change over time. These could be anything like distance traveled, time spent studying, body weight etc.

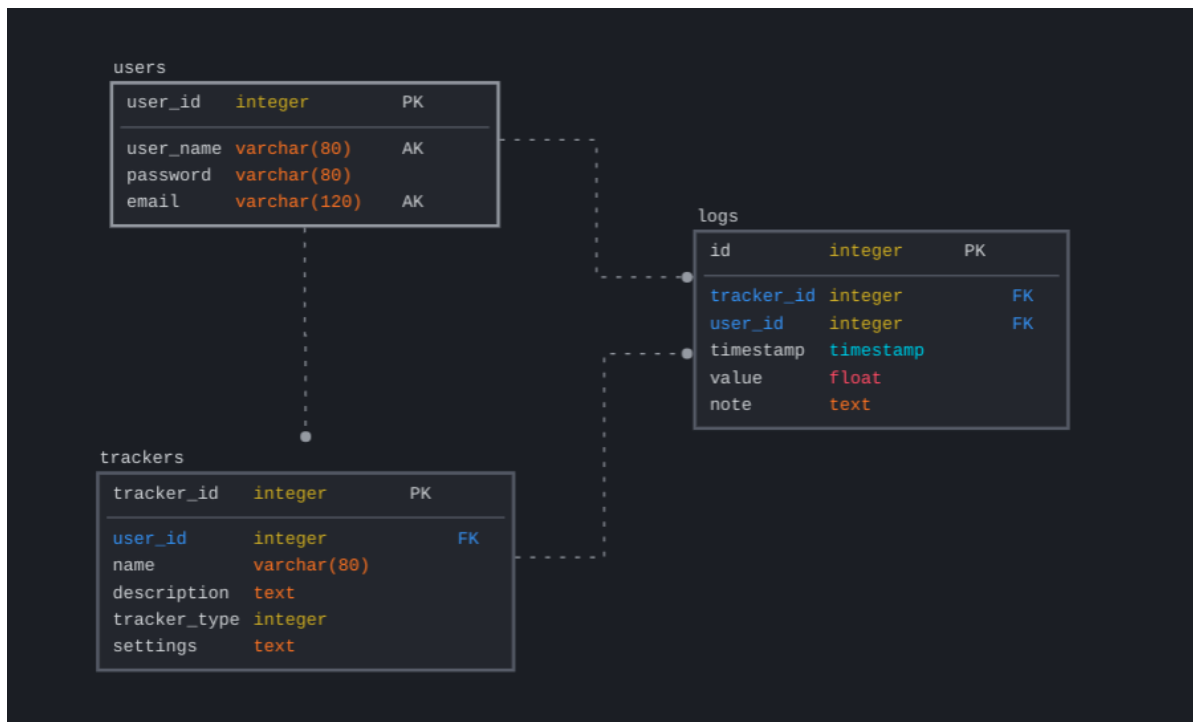
## Technologies used:

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- Flask
- Flask-SQLAlchemy
- Flask-Login (for login and signup)
- Werkzeug-security (for creating hashes for storing passwords)
- Jinja2
- Bootstrap

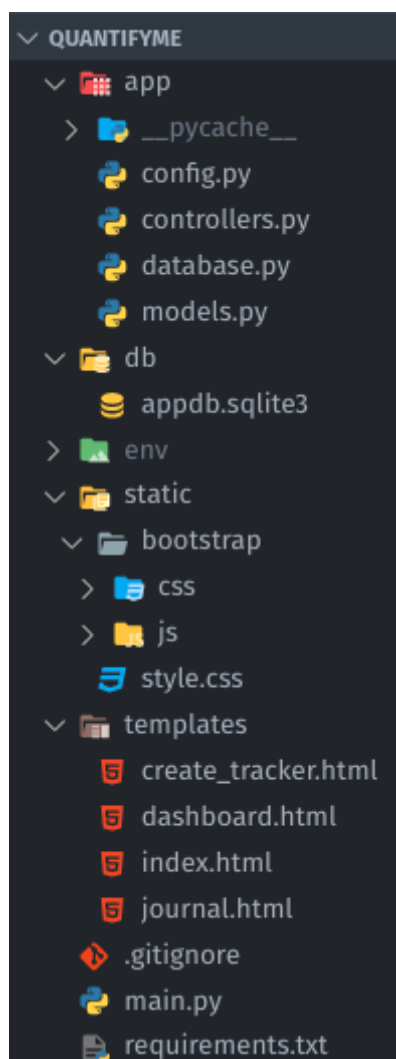
## DB Schema Design

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Each user has his own set of trackers and each tracker has its own set of logs. The tables are connected to each other using primary and foreign keys, which are the ids of each of the tables. This ensures simplicity and elegance.

## Architecture



The project is organized as shown above:-

1. The **app** folder contains the files for configuring and connecting to the database, the controllers and the models.
2. The **db** folder contains the sqlite3 database.
3. The **static** folder contains all the styling components, which includes stlye.css and Bootstrap v5.1.3 files.
4. The **templates** folder contains all the html files.
5. The **env** folder contains the python module configuration files.
6. **main.py** is in the root directory. It is called to execute the entire project.

## Features

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The app lets you create multiple trackers of four types - Numerical, Time duration, Multiple choice and Boolean. You can edit/delete these trackers at any point of time. You can log in values, along with a time stamp as well as a note. Each tracker has its own journal page where you can view the entire history of that particular tracker.

There is also a login and sign-up functionality, without which you can not access the content in the data. The password is stored with a sha256 hash provided by werkzeug.security module in Python.