

Project Name : Quantified Self Application

Application Developer : Prayag Brahmabhatt , Enroll. No. : 21f1005013

Email : 21f1005013@student.onlinedegree.iitm.ac.in

Application name : Stay-fit app

Main executable file : main.py

HTML templates folder : templates

static folder : static (images,css)

Other files : application (config,controllers,database,models)

Database : database.sqlite3

Project Video link :

<https://drive.google.com/file/d/1TNQIRTgKujrvNltvASpeHF2rjdm8vul1/view?usp=sharing>

Replit application URL :

<https://qaupload.brahmbhatt-pray.repl.co>

Project report :

As instructed in the Quantified Self Application student guide (google slides) I have implemented all core requirements.

User Side - Application frontend

1> Home page : It will appear first for any new user. It includes 4 buttons in navigation column at left-side of page.

4 Navigation buttons are as follows :

Home -> Redirects to home page for new user/not yet logged in user OR redirects to user dashboard for logged in user)

Trackers -> Static page - shows inbuilt trackers)

Login -> Redirects to user login page

Sign-Up -> Redirects to sign up page for New User

Additional Information : App Discription , About Developer , Copyright etc.

2> Sign-Up page : User is asked to input its Name , Email (Unique) , Age , Password .

If Email id already exists, App will render page which displays that
User-Email id already exists please login and redirect to login page.
OR else it will sign up user.

3> Login page : User is asked to input its valid credentials (Email & Password).

If Email Password is valid user will be redirected to User-Dashboard.
OR else App will render page Wrong-Password and again redirects to Login page.

4> User dashboard : All trackers which user has subscribed in a table format.

Table columns are : Tracker Name , Last Tracked (Timestamp) ,
Add log , Edit & Delete. Tracker

Tracker name is a navigating link which redirects to that
specific tracker page

*For adding tracker 2 option buttons given : 1.Add User-Defined Tracker
2.Add Inbuilt Tracker

5> Tracker page : Tracker page , where details about that particular tracker is displayed.

All logs are displayed for that tracker in a table format.

Table columns are : LogID(just for reference) , Value, Note
Edit & Delete log.

*For numeric and multichoice tracker types , Trendline graph & pie chart is shown respectively.

6> Enter log : From user-dashboard to add log for any specific tracker this page will facilitate
user to add log as per the tracker type he/she has chosen.

For numeric tracker -> Numeric value input

For boolean tracker -> True or False option input

For Time duration tracker -> Hr and Min time

For Multichoice tracker -> Options which are pre-Defined by user while creating
User-defined tracker.

7> Edit tracker : Edit tracker will allow user to edit trackers which are created by that particular
user only.

User is not allowed to edit inbuilt trackers.

8> Edit log : Similar to enter log editing log will allow user to edit value, note and time for that log.

9> Delete log : From tracker page user can delete any specific log.

10> Delete tracker : From user-dashboard user can delete any specific tracker it will also
Delete all logs for that tracker.

Database & Backend - Developer side

1> User table -> Stores user's data i.e. name , email , age

2> Tracker table -> Stores tracker details i.e. name , type , discription , owner (for user defined
trackers) , values (multichoice tracker type)

3> User_to_Tracker table -> Keep data of every user to his subscribed trackers.

4> Log table -> Stores logs for all trackers of user's with foreignkeys of user's user_id and
tracker's tracker_id.