App Development 1 Project: FamilyExpenseTracker

Basic Requirements Completed:

- User login
- Dashboard and Trend lines
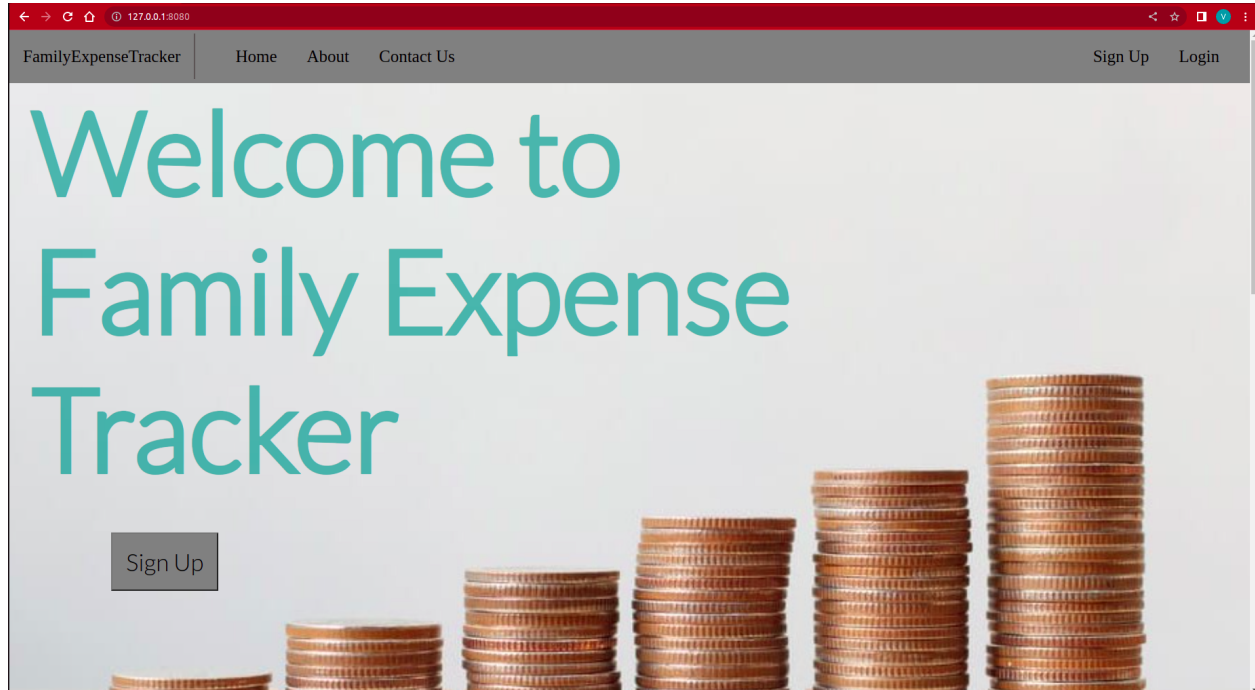- Tracker management
- Tracker log events

1. **User Login:** Multiple user login system with password has been implemented
using flask-login library. New user can also sign-up with a unique username and password.
2. **Dashboard:** The main dashboard appears after user login with all trackers
created by the user which has links to other functionality.
3. **Trendlines:** All tracker types have a plot associated with it which can be filtered for custom duration of logging. It has been implemented using Matplotlib library.
4. **Tracker management:** trackers have all basic functionality like add a tracker,
view tracker logs, update and delete a tracker. Implemented using flask library and sqlite database integrated using Sqlalchemy ORM.
5. **Tracker log events:** Trackers have logs added to database through relation
and have all CRUD operations like adding a log, updating, deleting and viewing all log details.

Additional Functionality:

1. **Styling and Aesthetics:** Bootstrap library has been used for basic styling of html.

Interfaces:

Homepage:

SignUp Page:

Login Page:

FamilyExpenseTracker   Home

Login

Username   [Enter Username]

Password   [Enter Password]

☑ Remember me

[Login]   **New to FamilyExpenseTracker? SignUp**

User Dashboard:

FamilyExpenseTracker   Add member   Logout

Welcome VanshitaJ

S.No.	Member Name	Member Age	Member Type	Total Expense	Limit	Actions
1	Vanshita	20	Integer	2655	3346	Edit Delete
2	Muskan	20	Integer	375	2230	Edit Delete

Member Dashboard:

FamilyExpenseTracker   Dashboard   Add Expense   Logout

Welcome Vanshita

TimeStamp	S.No.	Category	Amount	Actions
2022-07-23 11:14:29.290467	1	food	355	Edit Delete
2022-07-23 11:14:38.794146	2	shopping	2300	Edit Delete
2022-07-23 11:16:29.359646	3	travel	250	Edit Delete
2022-07-23 11:16:36.864321	4	food	440	Edit Delete

Trendline:

Today ▾   dd/mm/yyyy, --:-- 📅 dd/mm/yyyy, --:-- 📅 GO