

# App Development 1 Project:

## FamilyExpenseTracker

### Basic Requirements Completed:

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

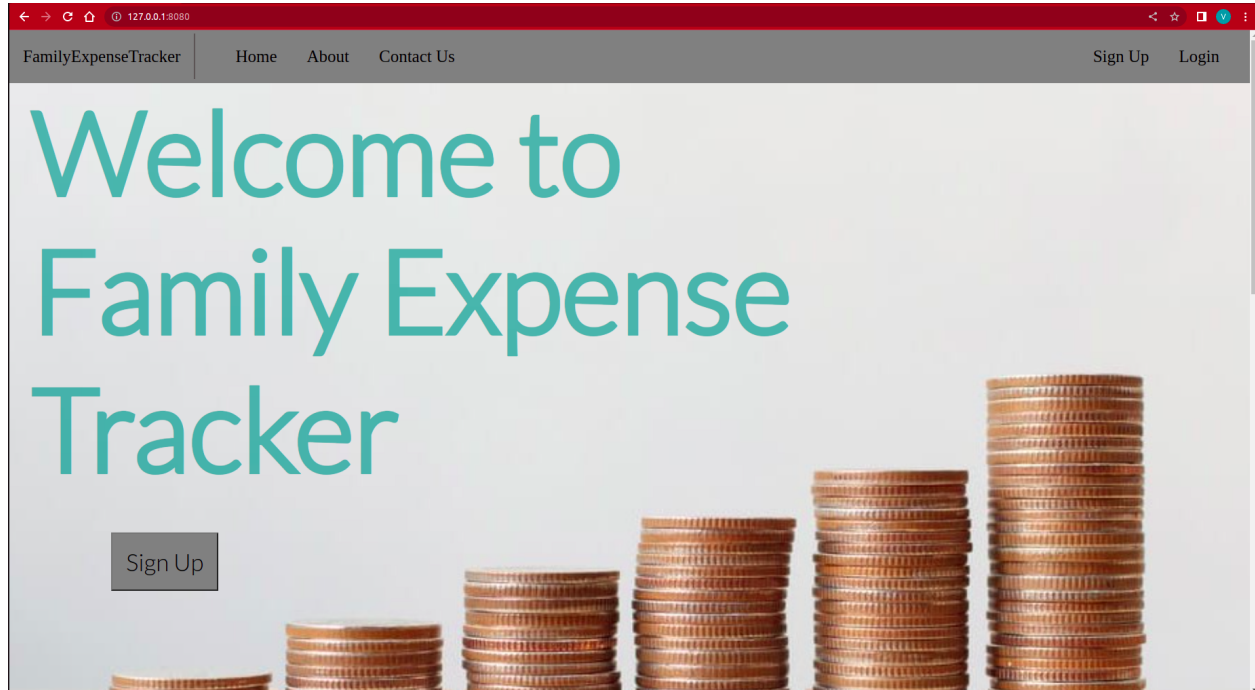
1. **User Login:** Multiple user login system with password has been implemented using flask-login library. New user can also sign-up with a unique username and password.
2. **Dashboard:** The main dashboard appears after user login with all trackers created by the user which has links to other functionality.
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:

A screenshot of the 'Sign Up' page in the 'FamilyExpenseTracker' application. The browser address bar shows '127.0.0.1:8080/signup?'. The header is dark red with 'FamilyExpenseTracker' on the left and 'Home' on the right. The main heading is 'Sign Up' with a subtext 'SignUp for a healthy financial future for you and your family'. Below this is a form with two input fields: 'Username' with placeholder text 'Enter Username' and 'Password' with placeholder text 'Enter Password'. There is a checked checkbox labeled 'Remember me'. Below the checkbox is a line of text: 'By creating an account you agree to our [Terms & Privacy](#)'. At the bottom of the form is a green 'Sign Up' button and a link 'Already have an account? Login'.

## Login Page:



### Login

**Username**

**Password**

☒ Remember me

[Login](#) [New to FamilyExpenseTracker? SignUp](#)

## User Dashboard:



# 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

DashboardAdd Expense

Logout

Welcome Vanshita

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

Trendline:

TimeStamp	Amount (₹)
2022-07-23 11:14:29.290467	355
2022-07-23 11:14:38.794146	2300
2022-07-23 11:16:29.359646	250
2022-07-23 11:16:36.864321	440

Today

dd/mm/yyyy, --:--

dd/mm/yyyy, --:--

GO