IT314 – Software Engineering

Coinscious- Smart Expense Tracker and Splitter

Minutes of Meetings

Group 28

1. Tirth Kaushal Gandhi - 202301413

2. Aum Patel - 202301448

3. Pratik Chauhan - 202301435

4. Darshit Ramani - 202301404

5. Ashka Pathak - 202301270

6. Tanishkumar Patel - 202301411

7. Ruchir Joshi - 202301410

8. Kirtan Chauhan - 202301409

9. Rujal Jiyani - 202301277

Meeting – 1

Date: 12th August, 2025

Agenda:

- Brainstorming and discussion of potential project topics
- Review of the project requirements
- Selection of the project topic
- Selection of the group representative

Participants: All

What we have discussed in the meeting:

- Discuss potential project topics
- Sorted/ Selected specific topics for projects
- We took the opinions of all the members about which project they preferred, and in the end, we selected a group representative.

Conclusion: Decided top 3 projects and elected group representative

Meeting – 2

Date: 23rd August, 2025

Agenda:

- To complete the lab assignment, we have to create a project concept poster.
- Prepare a design, and discuss how to properly plan and organize the sprints.

Participants: All

What we have discussed in the meeting:

- Discussion on the lab assignment in which we have to create a concept poster
- Discussion on functionalities that should be added to our system
- Discussion about the sprints, a rough idea about how we can appropriately make our system.

Conclusion: We did some rough brainstorming to get an idea of how we can create the concept poster.

Meeting – 3

Date: 24th August, 2025

Agenda:

- To complete the lab assignment, we have to create a project concept poster.

Participants: All

What we have discussed in the meeting:

- Decide functional requirements and non-functional requirements for our project.
- Rough Brainstorming about sprints to get the proper idea of what we precisely have to do in our project, and discussed the Modules in which we should build our project.
- Made concept posters for lab submission.

Meeting – 4

Date: 8th September, 2025

Agenda:

- Discussion on whether to go ahead with a webpage, app or PWA.
- Check the feasibility of PWA as a midway solution.

Participants: All

What we have discussed in the meeting:

- We talked about whether we should stick to making a webpage or shift to making a full app.
- The idea of Progressive Web App (PWA) came up since it works as a website but also can be installed on phones like an app. That way we don't need to build a separate version for iOS and Android.
- A point was raised about our own learning curve since no one is fully comfortable yet, and we also need to keep in mind the timespan of this project.

Conclusion: The group decided to go ahead with the Progressive Web App (PWA) approach since it balances the benefits of both a website and a mobile app. For now, the frontend will be narrowed to either React.js, Next.js or Flutter after trying a prototype, the backend will likely be in Python, and development will be done as a PWA so it can be accessed both in the browser and installed like an app.

Meeting – 5

Date: 11th September, 2025

Agenda:

- Finalising design elements and UI/UX requirements
- Distribution of frontend and backend tasks.

Participants: All

What we have discussed in the meeting:

- Take opinions of all members about the technologies they have researched and which we can use in our project.

- Discuss the distribution of the frontend and backend tasks (not final; frontend and backend members may also contribute to other tasks) and decide who will handle the ai integration
- Front end features:
  - Add, remove, edit, and categorize expense
  - Visualisation features (graphs, charts, dashboards)
  - Requirement of toggle button to switch between personal and split expenses.
  - Dark mode and light mode options
  - Colour coding for progress tracker
  - Inclusions of AI-powered insights and the Account section in the design scope

Conclusion:

Tools and technologies:

Frontend – UI framework with dark/light mode support, visualisation library (Typescript, React)

Backend – Expense data management, category storage, AI module integration

Meeting – 6

Date: 13th September, 2025

Agenda:

- Discussion on suitable dashboard templates for the smart expense tracker and splitter

Participants: Frontend Team

What we have discussed in the meeting:

- Reviewed different templates in Figma and took inspiration from existing projects to decide what type of dashboards can be created

Conclusion: Decided on one or two templates, but will continue exploring and also try creating our own or just improve the templates with our own ideas.