FINANCE PROJECT

PROJECT TEAM

1.	Project Lead	Jamal Al Banna
2.	Developer	HANTAN Sèdégbé Kelly
3.		Dinuka Malitha
4.		Isaias Rojas
5.	UI/UX Designer	Shristi Shrestha

TIMELINE

Team Onboarding

- Duration: 1 week (11th March - 18th March)
- Description: The development team will be informed about the task and be given a 1 week period to get familiar with the field. Getting a basic understanding of finances and financial accounting is expected.
- Responsible: Tharindu + Team

Requirement Analysis

- Duration: 2 week (11th March - 25th March)
- Description: Understanding the functional and non-functional requirements of the project after the discussion with GFB and AI Finance. Downscale the requirements to the team.
- Responsible: Tharindu, Jamal

Feasibility Study

- Duration: 2 weeks (18th March - 1st April)
- Description: Create the architectural design of the platform. Decide on the tech stack and do the feasibility study. Make a report.
- Responsible: Tharindu + Team

Architectural Design and Database Design

- Duration: 1 week (25th March - 1st April)
- Description: Designing the database. Making ER diagrams, creating the schema for the test database.

- Responsible: Tharindu, Jamal

Creating Business Flows

- Duration: Entire project duration
- Description: Creating all business flows/flow diagrams before the respective sprints
- Responsible: Tharindu, Jamal

Sprint 1: Basic platform creation

- Duration: 1 week (1st April - 8th April)
- Description: Creating a basic platform where users can enter a transaction using a basic form and show those details in a simple table.
- Responsible: Team

Sprint 2: Creating Different Accounts and Adding Transactions

- Duration: 2 weeks (8th April - 22nd April)
- Description: Implementing functionality to create different accounts and allowing users to add transactions to different accounts. Ensure proper validation and categorization of transactions.
- Responsible: Team

Sprint 3: Implementing AIESEC Role-Based Access

- Duration: 1 weeks (22nd April - 29th April)
- Description: Implement role-based access using the available AIESEC OAuth2 API. Restrict access so that only MC-level people can access the system.
- Responsible: Tharindu + Team

Sprint 4: Inputting GFB Survey Data as Transactions

- Duration: 2 weeks (29th April - 6th May)
- Description: Provide an option for users to input the required values from the current GFB survey as individual transactions into the database.
- Responsible: Team

Sprint 5: Implementing a method to change the previous transactions

- Duration: 1 week (6th May - 13th May)
- Description: Provide a method for users to change the previously added transactions within the accounting period. (1 month)
- Responsible: Team

Sprint 6: Automating PnL and Cashflow Statements

- Duration: 2 weeks (13th May - 27th May)
- Description: Implement functionality to generate Profit & Loss and Cashflow statements automatically using the transactions stored in the database for each month.
- Responsible: Team

Sprint 7: Version 1 Release (Limited Test Version)

- Duration: 2 week (27th May - 10th June)
- Description: Release version 1 of the platform for limited testing. GFB and AI will be the testers to provide feedback.
- Responsible: Team

Sprint 8: Adding Separate Transactions Instead of Total Amounts

- Duration: 1 week (27th May - 3rd June)
- Description: Modify the current workflow so that individual transactions can be recorded instead of just entering total amounts as in the existing GFB survey process.
- Responsible: Team

Sprint 9: Automating Exchange-Related Transactions

- Duration: 2 weeks (3rd June - 17th June)
- Description: Automatically add financial transaction records whenever an exchange status changes from 'accepted' to 'approved' for outgoing exchanges and ‘approved’ to 'realized' for incoming exchanges, ensuring proper accounting for local entities.
- Responsible: Team

Sprint 10: Extending System to LC Level

- Duration: 2 weeks (17th June - 1st July)
- Description: Expand the platform to allow LCs to manage their finances and ensure MCs can calculate statements using the LC finances of all LCs under them.
- Responsible: Team

Sprint 11: Preparation for Test Release

- Duration: 2 weeks (1st July - 15th July)
- Description: Conduct thorough testing, including unit, integration, and system testing. Ensure security, performance, and usability before deployment.
- Responsible: Tharindu + Team

Sprint 12: Version 2 Release (Extended Audience Test Version)

Duration: 2 weeks (15th July - 29th July)
Description: Create user manuals, technical documentation, and provide training sessions for MCs and other stakeholders.
Responsible: Tharindu, Jamal

User stories

Login/authentication

- AS an MCVP I WANT a secure login system SO THAT other people cannot see details of my entity finances
- AS an MCVP I WANT to add my commission to the platform SO THAT I can collect financial data from each of my LCs
- AS an MCVP I WANT to add my ESTs/EFB to the platform SO THAT they can support me in tracking and data analysis
- AS an LCVP I WANT a secure login system SO THAT other people cannot see details of my LC finances
- AS AIVP IM I WANT a two factor authentication system in place SO THAT we maintain high data security standards across all our platforms

Recording data

- AS an MCVP I WANT details of my approvals to be linked to EXPA SO THAT I can capture every approval made
- AS an MCVP I WANT to input details of my entity outgoings SO THAT I can have a full picture of my entity finances
- AS an MCVP I WANT to categorise my transactions by type SO THAT I can sort them more easily
- AS an MCVP I WANT to upload file proofs for my transactions SO THAT future stakeholders have the full context of the transaction
- AS an MCVP I WANT to have the option of amending details of previous transactions SO THAT I can make changes in case I made a mistake when entering transactions
- AS an MCVP I WANT to have the option to erase previous transactions SO THAT I can remove those that were entered by mistake
- AS an MCVP I WANT to upload my budget SO THAT I can keep track of our entity achievement and hold myself accountable
- AS an MCVP I WANT to have the option to filter by transaction type SO THAT I can find relevant transactions
- AS an MCVP I WANT to be able to search through my transactions SO THAT I can find specific transactions

Statements generation

- AS an MCVP I WANT to generate cashflow statements from a template for my entity SO THAT I can report on the cashflow from the last reporting period
- AS an MCVP I WANT to generate profit & loss statements from a template for my entity SO THAT I can report on the operating profit & loss for the last reporting period
- AS an MCVP I WANT to generate the balance sheet from a template for my entity SO THAT I can report on our current financial state to stakeholders
- AS an MCVP I WANT the option to set the range for the statements I am generating SO THAT I can tailor my reporting for different situations
- AS an MCVP I WANT the option to create financial statements using combined MC and LC data or just MC data SO THAT I can see the impact with/without LCs

Analytics

- AS an MCVP I WANT to see the profit and loss of my entity over time SO THAT I can draw insights on performance
- AS an MCVP I WANT to see the cashflow of my entity over time SO THAT I can draw insights on sustainability
- AS an MCVP I WANT to see the planned vs achieved over time SO THAT I can draw insights on goal achievement
- AS an MCVP I WANT to be able to change the timescale of my charts SO THAT I can focus on a particular reporting period

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