

EECS 2311 Group 2
Iteration 2: Further Planning and
Implementation

FINANCIAL TRACKER VISION STATEMENT

NAME OF SOFTWARE: PENNY PLANNER

Team Members:

Ahmed

Farzin

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Sarimah

Nabeela

Kennie

Corinthe

Revisions from ltr0 to ltr1:

1. Our stories were too dependent on each other, breaking the mostly independent structure of the project. In plan 1, everybody was assigned a mostly independent part(eg. Login page, Investment page,...).
2. Our plan was also made more defined, by having precise user stories and an understanding of how they'll be interconnected. Compared to previously where the general view itself was vague, for example we had in mind to create the whole investment page with all of its functionalities in the first iteration.
3. In iteration 0 our plan was to each work on a substantial user story and finish it for deliverable 1, but after reconsidering the project guidelines, we have divided most of the big user stories so as our workload is of manageable size for each team member, for example the login and sign up page were tied up to one person for deliverable 1, it has now been broken into two, the login page and the registration page.

Revisions from ltr1 to ltr2:

1. Integration of a Accounts.db, keeps track of a user's credentials, expenses and incomes
2. Completion of the GUI for every sub-story for delivery 1, including:
 - The Login page
 - The Expense/income table
 - Navigation buttons
 - Summary page
 - Savings page
 - Investment Page
 - Loan page
3. Updated the UML class diagram to cover what has been done
4. User stories more defined

Vision Statement

Project Scope

The overall aim of our Finance Tracking application is to create a user-friendly digital platform which enables individuals to monitor and manage personal finances, including savings, expenses and budgeting.

What is the project?

A finance tracking application is essentially a platform where users can input personal expenses and the program will organize the finances based on the input given. The main goal of the application is to aid our users in setting and achieving budgeting goals while simultaneously improving overall financial literacy. The application is designed in such a way that user expenses are separated in a designated 'expense table'. The application ideally will take this information and determine how much the user is saving on a monthly basis given his/her income. The application is also designed to help the user see his/her investment progress.

Users

The potential users for a finance tracking application can encompass a wide range of individuals however the one designed by our team is mainly targeted towards young adults seeking to enhance their personal financial management. This group of people can be students for example who deal with day-to-day expenses and are in need of an application to help sort their finances out. Essentially the app is designed for students who desire a more organized and insightful approach to managing their personal finances, regardless of financial literacy level. The application not only helps organize and budget your expenses but is also a crucial tool for keeping track of investment progress. As students who heavily struggle with time management, this is a very imperative platform.

Why is the project valuable?

Our platform will enable users to effortlessly create and personalize their accounts and track income, expenses, investments, and savings with ease, gaining a view of their financial information in real time.

Success criteria to indicate the goals of project

These include increased savings rates, reduced debt burdens, improved investment portfolios, and enhanced financial literacy among users. Our goal is to empower our users to achieve financial stability through smart financial management practices facilitated by our application.

Summary

In summary, our vision for this project is to empower individuals to achieve financial well-being by providing a comprehensive and user-centric financial tracking application.

Customer meeting summary video

<https://youtu.be/5GNZup-LGb4>

Big User Stories

Login and Sign Up Page

As a new user,
I want to be able to create and own an
account on the platform
so that I can personalize my experience and
access exclusive features.

Financial Analysis

As a new user,
I want to be able to see my investments,
savings and a financial summary page

User Interaction

As a new user,
I want to be able to navigate through the
platform to view my income, expenses and
other information

Iteration 1 Detailed User Stories

User story checklist ITR1:

- ☒ Login
- ☒ Display Expense
- ☐ Display Income
- ☒ Display Investment
- ☒ Determine Savings
- ☒ Monthly Summary page
- ☒ Display Buttons
- ☒ Display Loan Calculator

Ahmed

Login

User Story for Login:
As a registered user,
I want to be able to log into my account on the
platform, so that I can personalize my experience
and access exclusive features available only to
members.

Priority: High

Cost: 4 days

Penny
Planner

Secure Login

Username:

Password:

Login

Register

Display Income

As a new user,
I want to be able to be able to input and keep
track of my monthly income in the application

Priority: High

Cost: 2 Days

Name	Actual Cost	Projected Cost	Difference
▶ Bills	0.0	0.0	0.0
▶ Transportation	0.0	0.0	0.0
▶ Insurance	0.0	0.0	0.0
▶ Food	0.0	0.0	0.0
▶ Self-Care	0.0	0.0	0.0
▶ Entertainment	0.0	0.0	0.0
▶ Loans	0.0	0.0	0.0
▶ Taxes	0.0	0.0	0.0
▶ Investments	0.0	0.0	0.0
▼ Gifts	0.0	0.0	0.0
Charity	0.0	0.0	0.0
Donations	0.0	0.0	0.0
Taxes	0.0	0.0	0.0
Add Expense Type		Add Category	
Subtotal		\$ 0.00	

Corinthe

Display Expenses

As a new user,
I want to be able to be able to input and keep
track of my monthly expenses in the
application

Priority: High

Cost: 4 Days

Name	Actual Cost	Projected Cost	Difference
▶ Bills	0.0	0.0	0.0
▶ Transportation	0.0	0.0	0.0
▶ Insurance	0.0	0.0	0.0
▶ Food	0.0	0.0	0.0
▶ Self-Care	0.0	0.0	0.0
▶ Entertainment	0.0	0.0	0.0
▶ Loans	0.0	0.0	0.0
▶ Taxes	0.0	0.0	0.0
▶ Investments	0.0	0.0	0.0
▼ Gifts	0.0	0.0	0.0
Charity	0.0	0.0	0.0
Donations	0.0	0.0	0.0
Time	0.0	0.0	0.0
Add Expense Type		Add Category	
Subtotal		\$ 0.00	

Oubai

Display Investments

As a new user,
I want to be able to check on my investment
portfolio, see what I own and my investing
gains/losses

Priority: Low

Cost: 3 Days



Kennie

Determine Savings

As a new user,
I want to be able to calculate my savings
using my Income and Expenses

Priority: Medium

Cost: 3 days

A screenshot of a 'Savings Calculator' application window. The window has a dark title bar with three colored window control buttons (red, yellow, green) on the left. The title 'Savings Calculator' is centered in the title bar. The main area is light gray and contains several input fields and a button. The inputs are: 'Savings Goal:' with a value of 5000, 'Income Amount:' with a value of 10000, and 'Total Expenses:' with a value of 11500. Below these is a blue 'Calculate' button. At the bottom, 'Actual Savings Calculated:' shows a value of -1500.00.

Savings Goal:	5000
Income Amount:	10000
Total Expenses:	11500
<button>Calculate</button>	
Actual Savings Calculated:	-1500.00

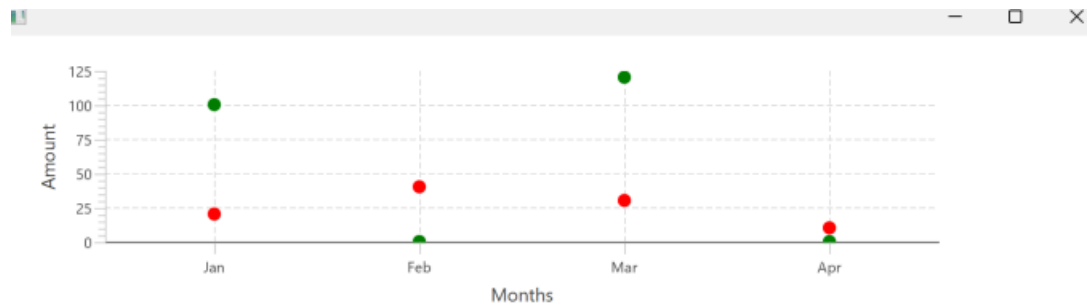
Farzin

A screenshot of a 'Monthly Summary Page' with a light blue background. The title 'Monthly Summary Page' is centered at the top. Below it is a paragraph of text: 'As a new user, I want to be able to see a visual summary of my expenses and income for different months so that I can have a small understanding of my finances.' At the bottom, there are two labels: 'Priority: Medium' on the left and 'Cost: 5 Days' on the right.

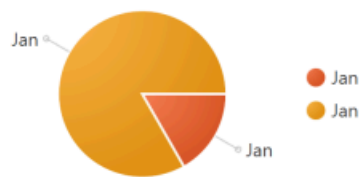
Monthly Summary Page

As a new user,
I want to be able to see a visual summary of
my expenses and income for different months
so that I can have a small understanding of
my finances.

Priority: Medium Cost: 5 Days



Spending Chart



Nabeela

Display Navigation Buttons

As a new user,
I want to be able to use buttons for efficient
navigation throughout different pages

Priority: High

Cost: 2 days

Sarimah

Display Loan Calculator

As a user,
I want to be able to view my loans and see
how much I need to save in order to pay off
my loans within a certain time period.

Priority: LowCost: 2 days

Iteration 2 Detailed User Stories

User story checklist ITR2:

- ☐ Registration
- ☒ Yearly summary page
- ☐ Display income
- ☐ Display savings
- ☒ Display loan calculator

Ahmed

Registration

As a new user,
I want to be able to create an account on the
platform,
so that I can register my personal details and
become a member of the community.

Priority: Medium

Cost: 3 Days

Farzin

Yearly Summary Page

As a new user,
I want to be able to see a visual summary of
my expenses and income for the year so that I
can have a understanding of my finances.

Priority: Medium

Cost: 3 Days

Corinth(Not Done)

Display Income

As a new user,
I want to be able to be able to input and keep
track of my monthly income as calculate how
much I make in every financial quarter of the
year.

Priority:

Cost:

Kennie (Not done)

Display my Savings

As a new user,
I want to be able to see a visual summary of
my monthly savings on a graph

Priority: Medium

Cost: 4 days

Sarimah (Done)

Display Loan Calculator

As a user,
I want to be able to view my loans and see
how much I have paid off and how much is left
to be paid off.

Priority: Low

Cost: 2 days

Iteration 3 Detailed User Stories:

User story checklist ITR3:

- ☐ Flexible summary page
- ☐ Income table
- ☐ Identify top spending areas

Farzin

<p style="text-align: center;">Flexible Summary Page</p> <p>As a new user, I want to be able to see a visual summary of my expenses and income for any time period that I choose so that I can have a large understanding of my finances.</p> <p>Priority: Medium Cost: 4 Days</p>	
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Kennie

Identify Top Spending Areas

As a new user,
I want to be able to display the categories(eg,
food, entertainment, transportation) where I'm
spending the most

Priority: Medium

Cost: 5 days