



Faculty of Computer Science and Mathematics  
Universiti Malaysia Terengganu

## Final Report: Personal Finance Application

Daily Spend Application: Spend, Track and Grow

Group 14

CSE3023 - Web-based Application Project

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# Overview of the Project

## Introduction

The Daily Spend Application is a web-based personal finance tool designed to help users track expenses, manage budgets, and improve financial habits. With rising living costs and financial uncertainty, individuals need an intuitive, accessible, and secure platform to monitor their spending and achieve financial goals.

## Problem Statement

### Issues Identified

- Lack of visibility into daily/weekly/monthly spending.
- Difficulty sticking to budgets due to poor tracking.
- No financial insights to make informed decisions.
- Manual expense tracking (e.g., spreadsheets) being tedious and error-prone.

### Proposed Solution

The Daily Spend Application will provide:

- ✓Expense Tracking – Log daily transactions (income & expenses).
- ✓Budget Management – Set and monitor spending limits.
- ✓Financial Reports – Visualize trends via charts/graphs.
- ✓User-Friendly UI – Simple, intuitive dashboard.

## Objectives of the System

1. Provide an easy-to-use expense tracker.
2. Help users set and follow budgets.
3. Improve user experience in managing budgets.

## Scope of System

### 1. User Accounts

- Users can sign up with email & password
- Users can log in/log out securely
- Users can reset forgotten passwords

### 2. Expense Tracking

- Users can add expenses with:
  - Amount
  - Category (Food, Transport, Bills, etc.)
  - Date
  - Optional notes
- Users can edit or delete past entries
- Simple daily/weekly total display

### 3. Budget Setup

- Users can set monthly budgets for categories
- System shows "budget remaining" progress
- Basic overspending warning (color change)

### 4. Basic Reports

- Compares current vs. previous month spending

## Individual Module Assignment

Each team member will develop a module using CRUD functionalities within the MVC framework:

Member	Module Name	Module Description
Syahrul Rizal bin Sinrang	Expense Tracking	Allows users to add, view, update, and delete daily expenses across various categories.
Danish Luqman bin Jamaludin	User Management	Manages user registration, login/logout, and profile settings.
Muhammad Darwish bin Khairul Asraf	Budget & Reports	Users can set budgets, view progress, and see summaries/graphs of their spending.

## Class Diagram

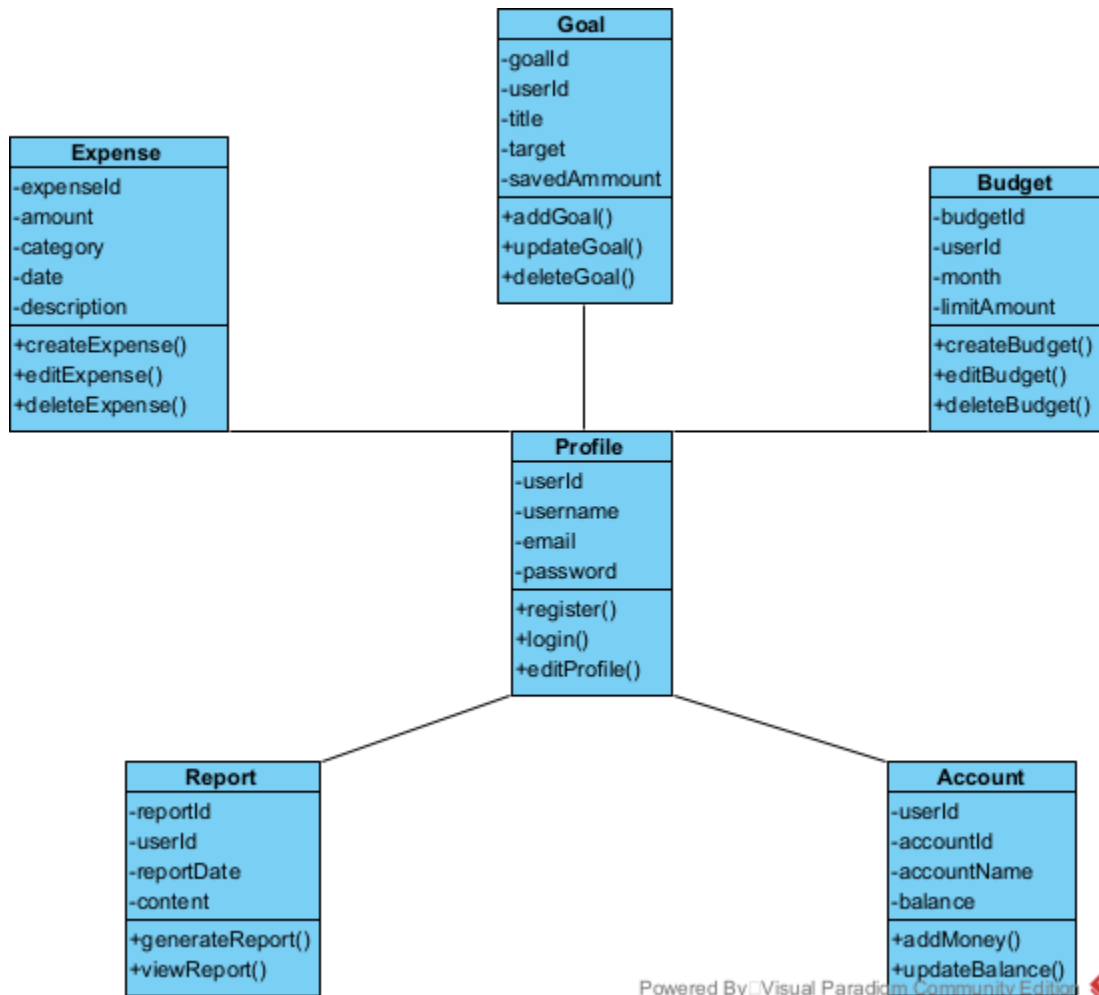


Figure 1.1 Daily Spend Application Class Diagram

## Wireframe

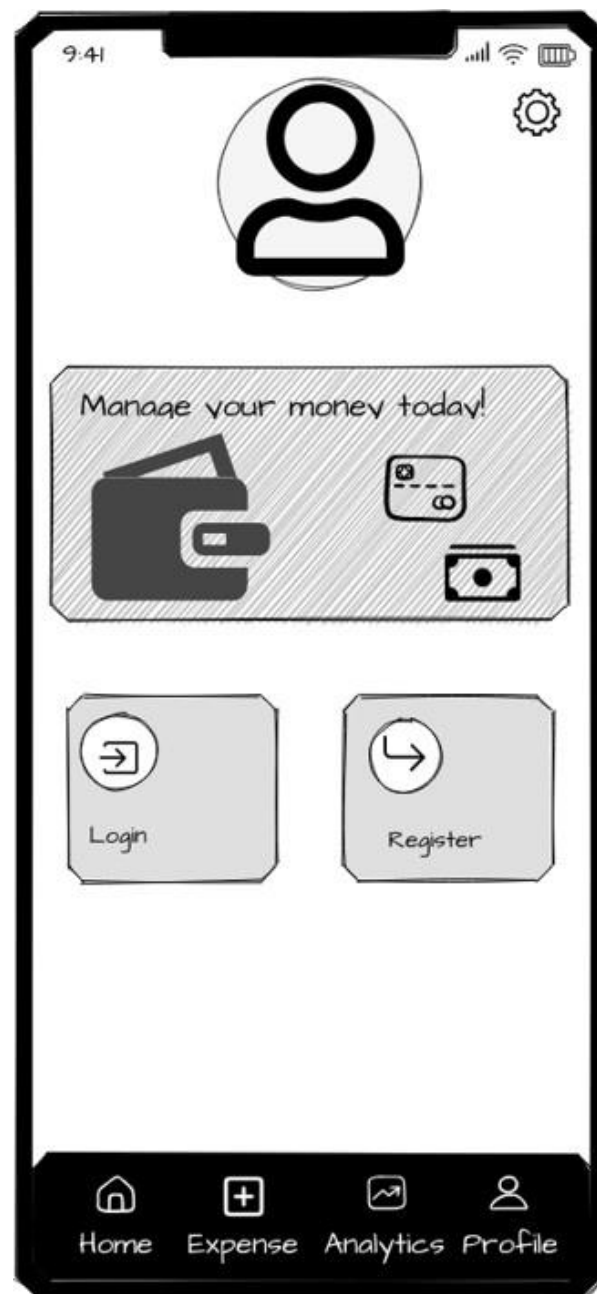


Figure 2.1 Login and Register



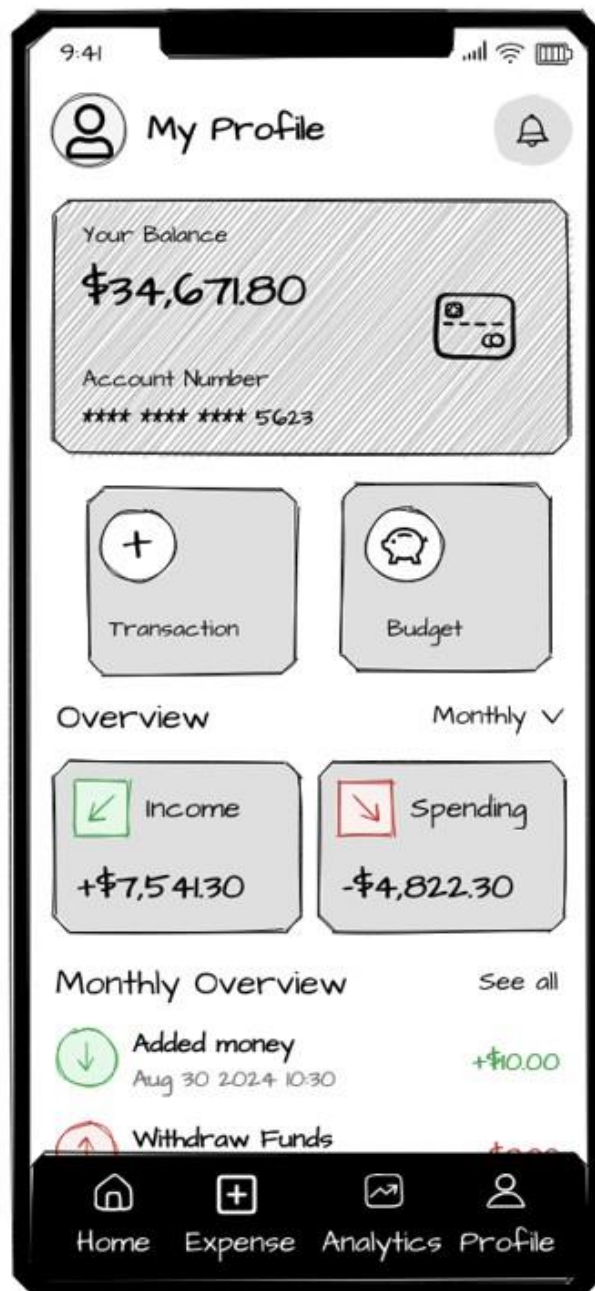


Figure 2.2 User Profile

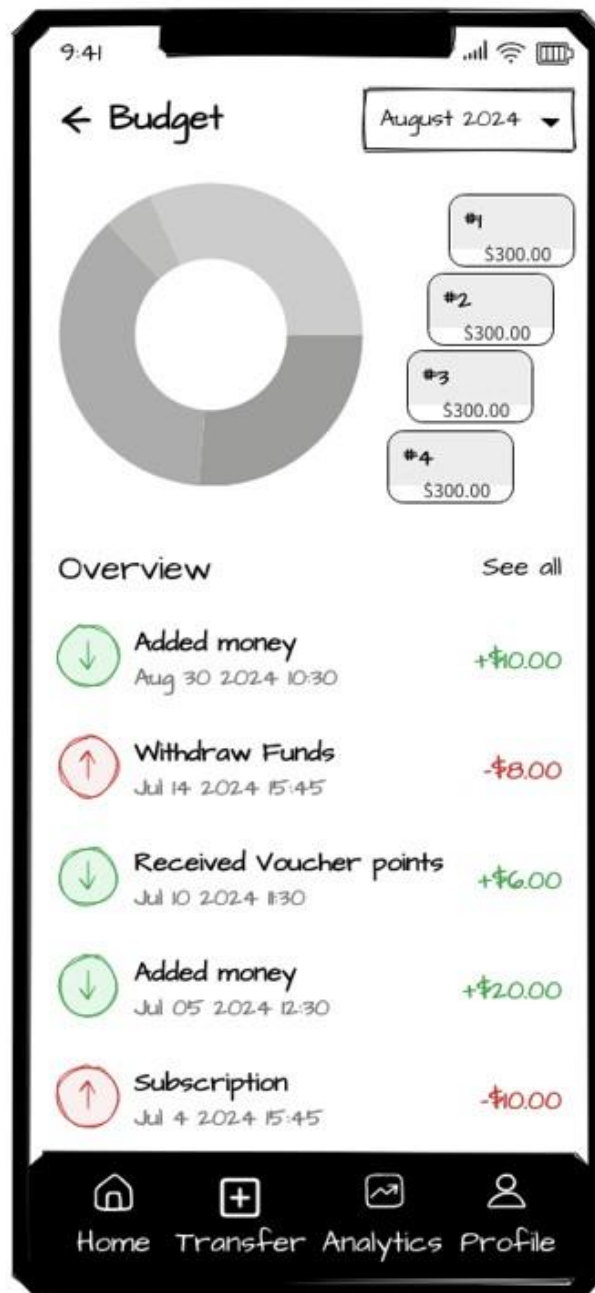


Figure 2.3 Budget



Figure 2.4 Expense

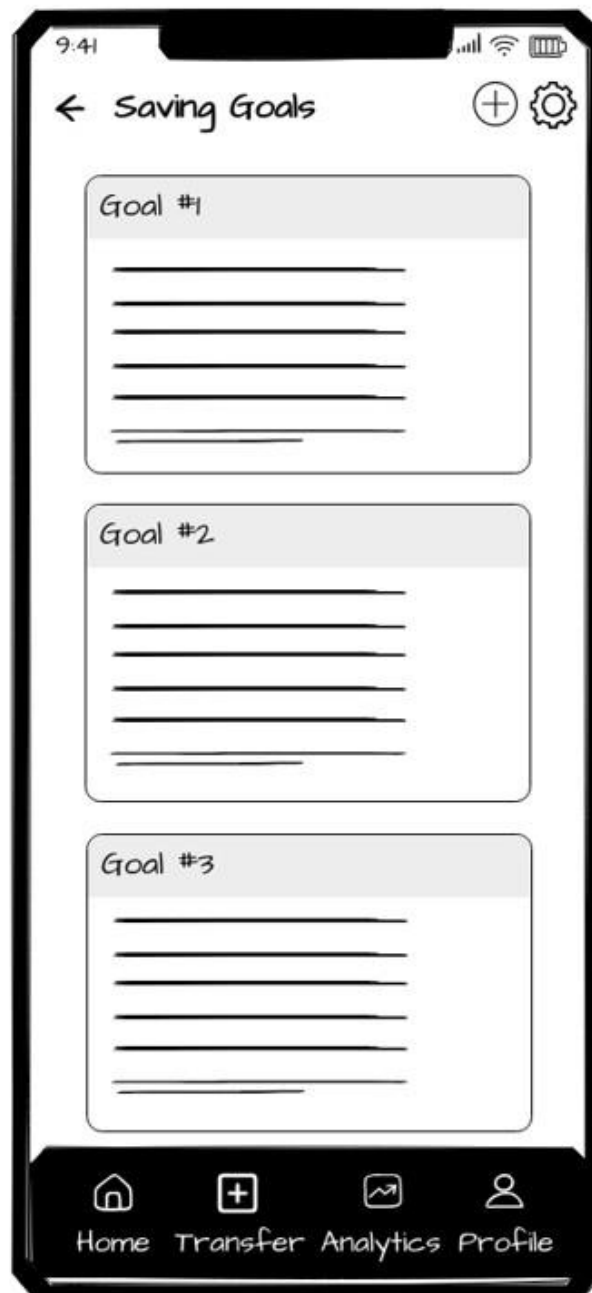


Figure 2.5 Saving Goals



Figure 2.6 Report

## Conclusion

The Daily Spend Application will empower users to take control of their finances through automated tracking, budgeting, and reporting. By addressing common financial management challenges, this system promotes better spending habits and long-term savings.

## Appendix

1. Code: [https://github.com/BiskutBras/Group14\\_PersonalFinance/tree/main](https://github.com/BiskutBras/Group14_PersonalFinance/tree/main)

2. GUIs:

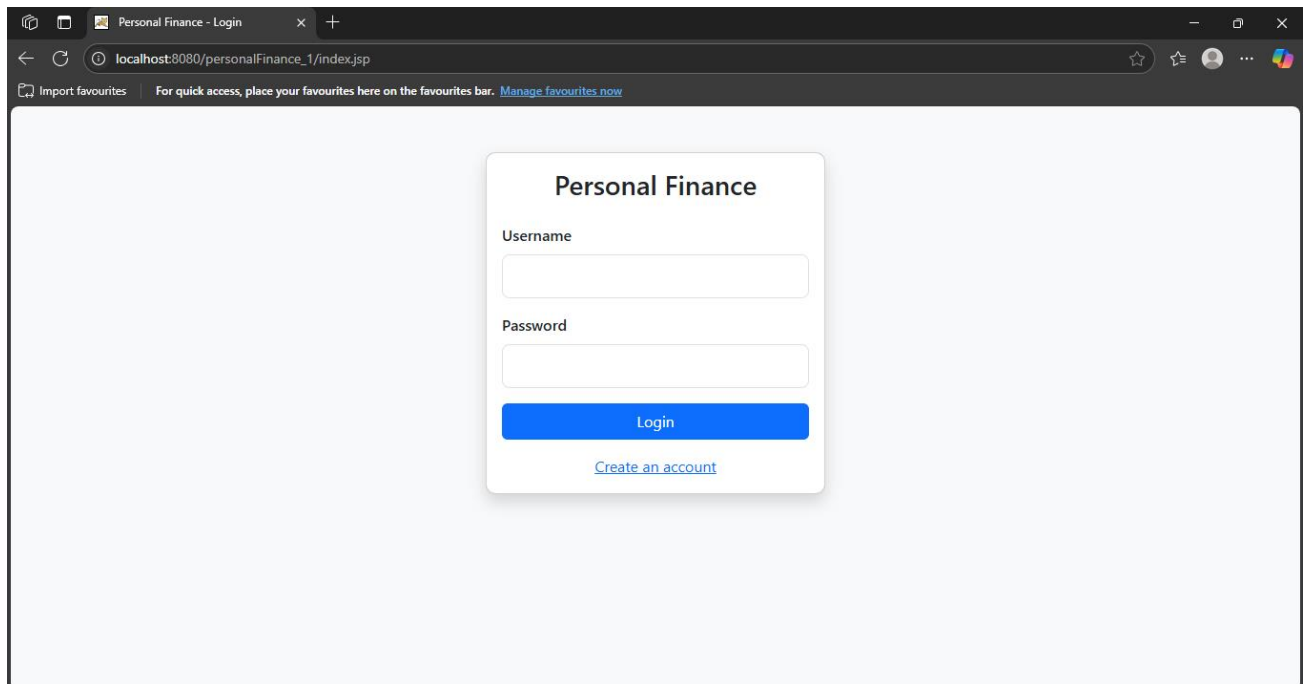
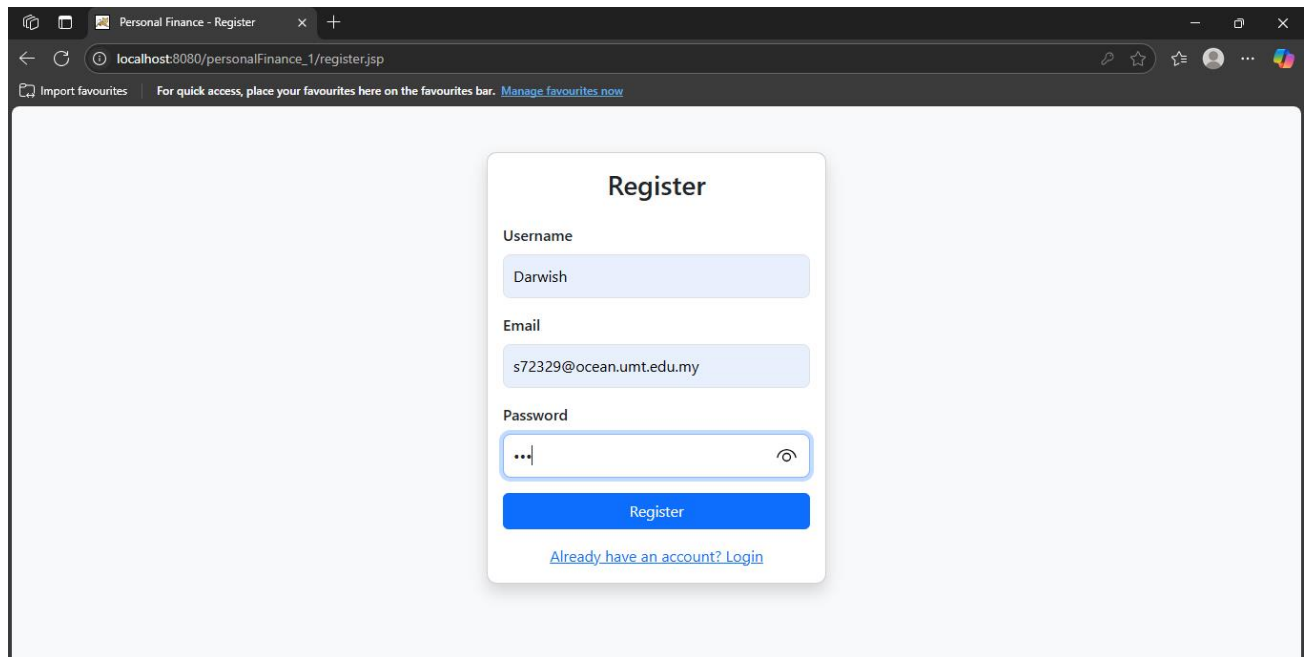


Figure 3.1 index.jsp

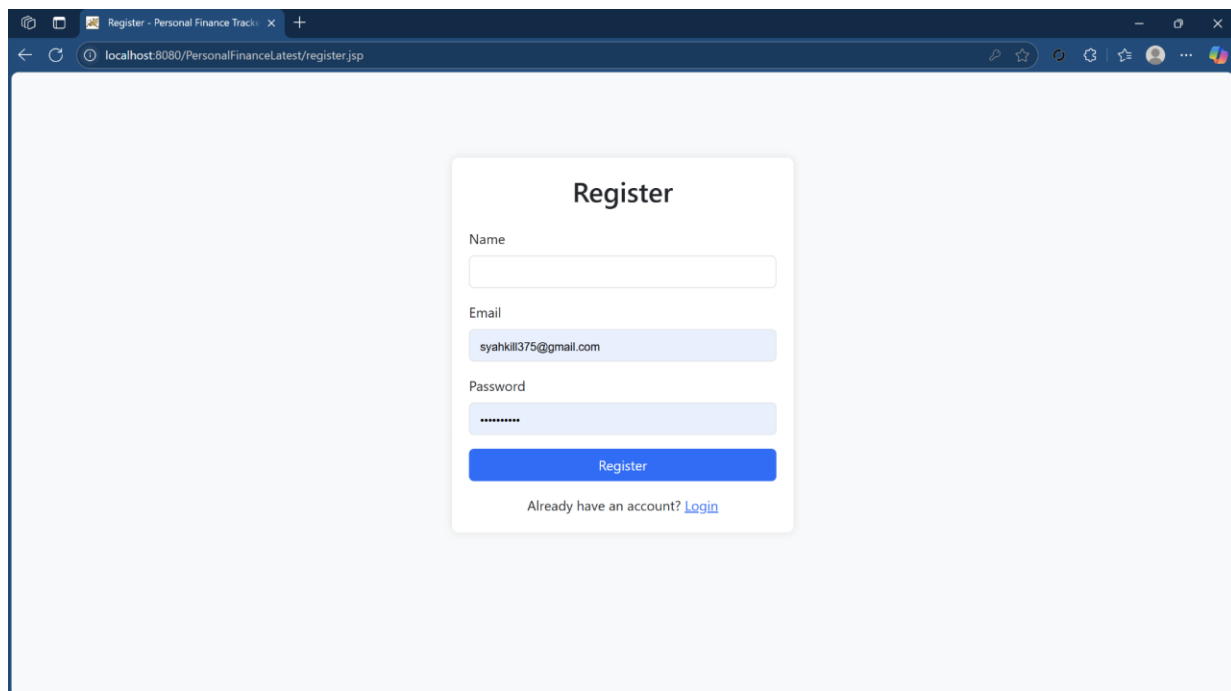


The screenshot shows a web browser window with the title 'Personal Finance - Register'. The address bar shows 'localhost:8080/personalFinance\_1/register.jsp'. The main content area displays a 'Register' form with the following fields and values:

- Username:** Darwish
- Email:** s72329@ocean.umd.edu.my
- Password:** (masked with dots)

Below the password field is a blue 'Register' button. At the bottom of the form, there is a link: 'Already have an account? [Login](#)'.

Figure 3.2 register.jsp



The screenshot shows a web browser window with the title 'Register - Personal Finance Track'. The address bar shows 'localhost:8080/PersonalFinanceLatest/register.jsp'. The main content area displays a 'Register' form with the following fields and values:

- Name:** (empty)
- Email:** syahkil375@gmail.com
- Password:** (masked with dots)

Below the password field is a blue 'Register' button. At the bottom of the form, there is a link: 'Already have an account? [Login](#)'.

Figure 3.3register.jsp



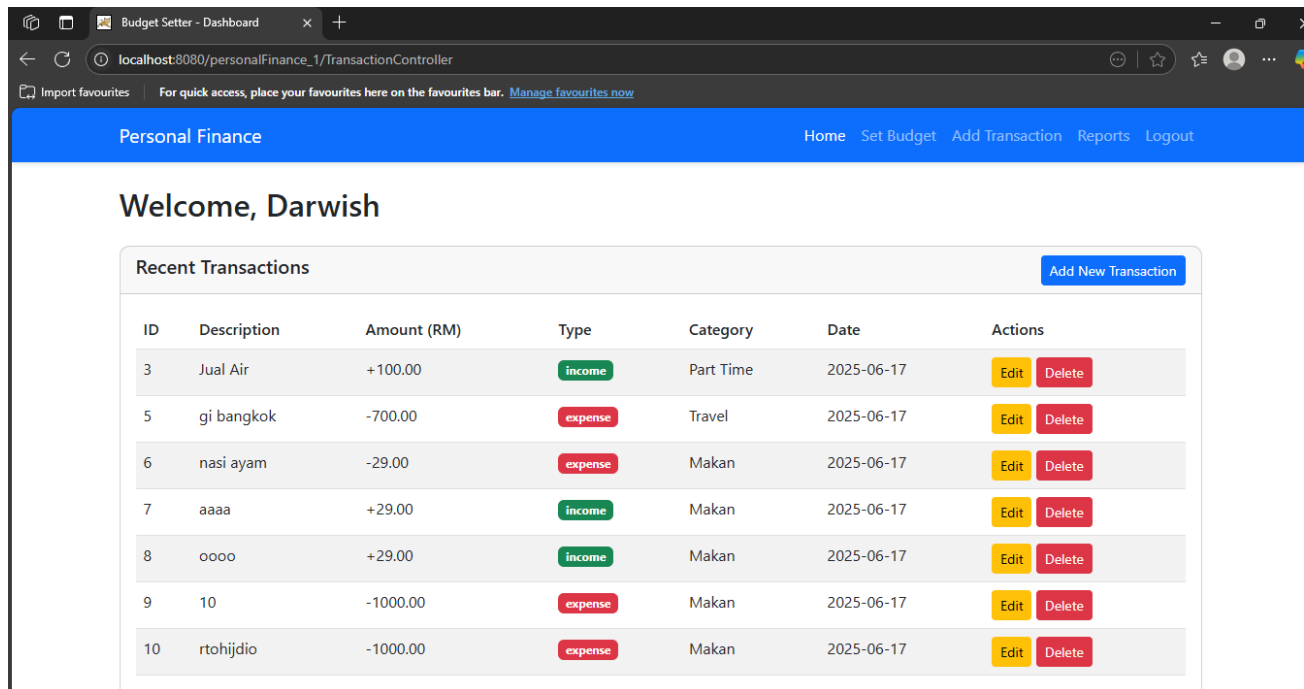


Figure 3.4 dashboard.jsp

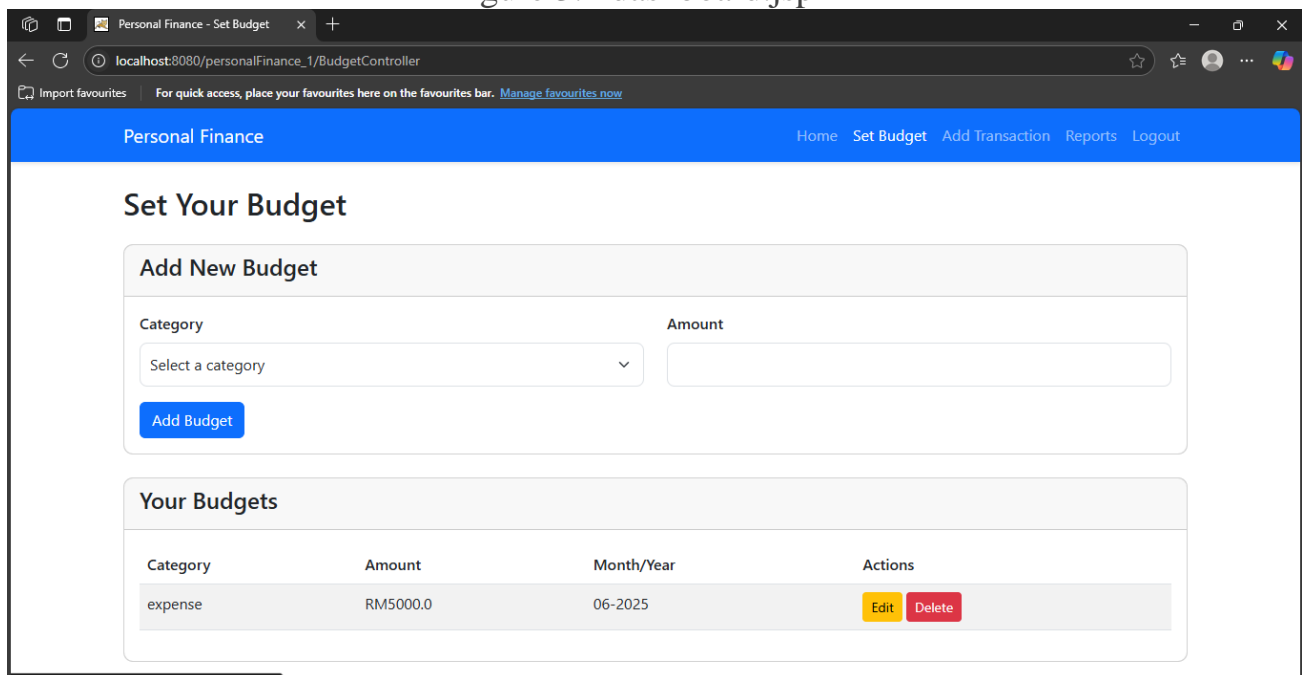
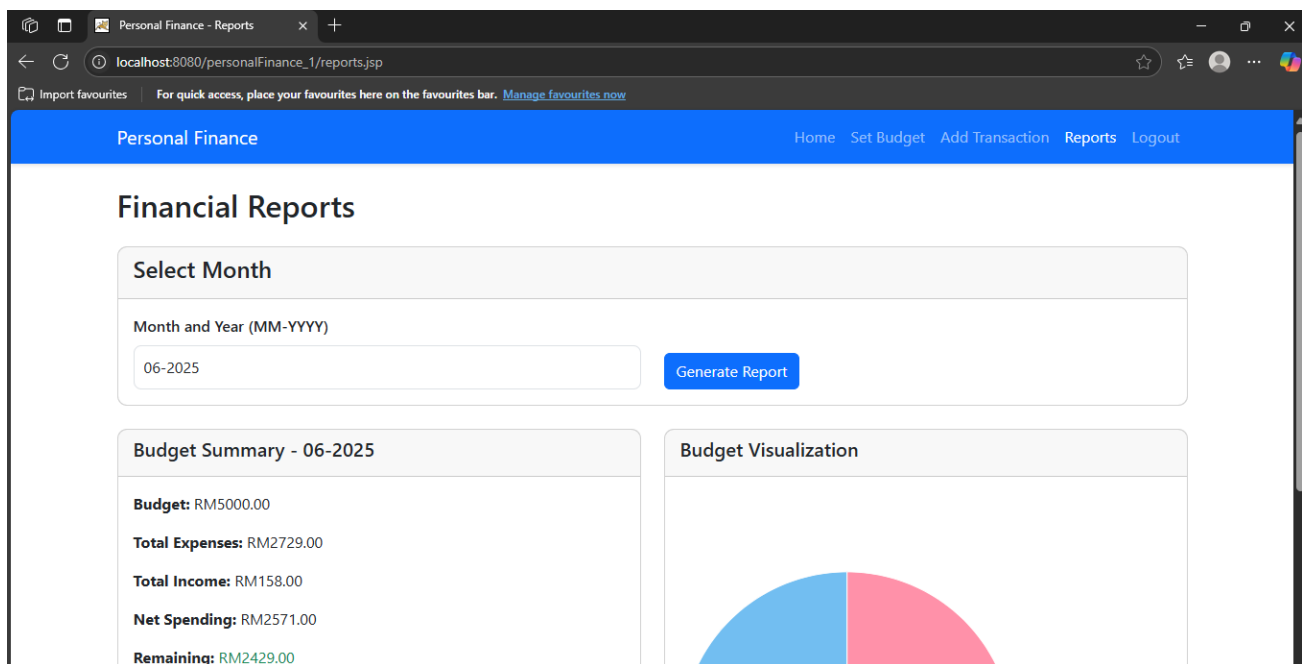


Figure 3.5set-budget.jsp

The screenshot shows a web browser window with the URL `localhost:8080/personalFinance_1/add-transaction.jsp`. The page has a blue header with the text "Personal Finance" and navigation links: "Home", "Set Budget", "Add Transaction", "Reports", and "Logout". The main content area is titled "Add Transaction". It contains a form with the following fields:

- Type:** A dropdown menu with "Income" selected. A list of options is visible below the dropdown: "Income", "Expense", and "1000".
- Category:** A text input field containing "Makan".
- Date:** A text input field containing "17/06/2025".
- Description:** A text input field containing "nasi ayam".
- Add Transaction:** A blue button at the bottom of the form.

Figure 3.7 add-transaction.jsp



## PocketWise: Personal Finance Application – Project Proposal

