Project name: Spendwise

Project teammates: Jing Li, Chih-Yu Tsai

Project sprint1: 2/10

Complete days: **Small(0-2)days**

1, Core features:

**Income and Expense Tracking**:

* Users can log income and expenses with details (amount, date, category, description).
* Ability to edit and delete entries.

**Category Management**:

* Predefined categories (e.g., Food, Rent, Utilities, Clothes, Entertainment).
* Custom categories that users can create, edit, and delete.

**Budget Setting**:

Visual indicators (e.g., progress bars) showing budget utilization( for total budget).

**Expense Categorization**:

* Automatic or manual categorization of expenses based on user inputs.

**Data Visualization**:

* Pie charts for category-wise spending.
* Line graphs for income vs. expenses over time.

**Alerts and Notifications**:

* Alerts for budget nearing limits.

2, MVP (Minimum viable product)

**Income and Expense Tracking**:

* Log income and expenses with details (amount, date, category, and description).
* Ability to view, edit, and delete entries.

**Category Management**:

* Predefined categories (e.g., Food, Rent, Utilities, Entertainment).

**Budget Setting**:

* Set a monthly budget.

**Basic Data Visualization**:

* Bar chart comparing total income and expenses.

**Secure Authentication**:

* User login with email and password.

3, User Stories**(Small: 0-2 days):**

Default Categories assigned by Jing Li:

**As a user**, I want the system to allow customer to create, login an account.

**As a user,** I want the system to provide predefined categories (e.g., Food, Rent, Utilities, Entertainment) so that I can quickly start tracking my expenses without creating categories from scratch.

**As a user**, as the system also provided predefined categories, I can quickly input my values into different areas.

**As a user,** I want to assign my income and expenses to specific categories so that I can understand how much I spend in each area.

Customizable Time-Based Visualization assigned by Chih-Yu Tsai

**As a user,** I want the system to provide an option for visualizing total income and expenses in a bar chart that can be filtered by week, month, or year so that I can better understand the trends and changes for my income and expenses.

**Project Structure:**

**Frontend: HTML, CSS, JavaScript**

* **Pages:**
  + index.html → User **Sign-up & Login** page
  + dashboard.html → Main **Expense Tracking Dashboard**
* **Styling:**
  + styles.css → the styling for UI
* **Functionality:**
  + script.js → Handles **authentication, budget tracking, transaction management, and charts**

**2️ Local Storage (Temporary Backend)**

* Used to **store user accounts and transactions**.
* Ensures session persistence for logged-in users.

**Complete work:**

user registration

user login

user log transaction

user can view their transaction history

predefined categories

user can assign transactions to categories

Bar chart comparing total income vs. expenses

Backend database store user inputs