

## ES 6 Part 1 Guided Project

### Introduction

As the **breadwinner of your family**, you're responsible for meeting **various needs** and fulfilling **important goals**. Now that you've gained a solid foundation through the course so far, it's time to put that knowledge into practice. Let's **build a personal finance tracker web page** to help you **record your income, track expenses, and set budgets** for different spending categories. This tool will give you a clear picture of where your money goes, helping you make **smarter financial decisions** and plan more effectively for your **family's future**.

The HTML and CSS code for the application's user interface (UI) has already been provided, and our task is to implement the functionality using JavaScript. While building this application, we will be using various concepts like template string, default argument, array destructuring etc.

### Problem Statement

In this project, we will build a **Finance Tracker application** that helps users manage their finances effectively. The application should allow users to:

1. **Add Income:** Users should be able to enter their income amount. They can add income whenever they want.
2. **Add Expenses:** Users should be able to add expenses with the following details:
  - Category (e.g., Groceries, Entertainment, Rent, Utilities, Health, Education, Miscellaneous)
  - Description of the expense
  - Amount of the expense
3. **Display Transactions:** The application should display a list of all income and expense transactions. Each transaction should include the description, amount, and category (for expenses).
4. **Calculate and Display Summary:**
  - The application should calculate and display the user's total income.
  - For expenses, it should calculate and display:
    - The budget for each category (pre-defined in the JavaScript code).
    - The total expenses for each category.
    - The balance (budget - expenses) for each category.
  - The application should also show the overall balance (total income - total expenses) and indicate whether it's positive or negative.

## Finance Tracker

### Add an Income

Income :

Add

### Add an Expense

Select Expense Category

Description

Amount

Add

### Transactions

#### Transactions

Groceries	Milk	\$10.00
Utilities	Hangers	\$10.00
Rent	New York Rent	\$900.00

#### Finance Summary

Total Income: \$9001.00

##### Groceries

Budget: \$2000.00  
Expense: \$10.00  
Balance: \$1990.00

##### Entertainment

Budget: \$500.00  
Expense: \$0.00  
Balance: \$500.00

##### Rent

Budget: \$2000.00  
Expense: \$900.00  
Balance: \$1100.00

##### Utilities

Budget: \$500.00  
Expense: \$10.00  
Balance: \$490.00

##### Health

Budget: \$2000.00  
Expense: \$0.00  
Balance: \$2000.00

##### Education

Budget: \$1500.00  
Expense: \$0.00  
Balance: \$1500.00

##### Miscellaneous

Budget: \$500.00  
Expense: \$0.00  
Balance: \$500.00

Balance: \$8081.00