Expense Tracker Application

Overview
This expense tracker application is designed to help users manage their spending efficiently. It allows users to categorize expenses, analyze spending habits, and visualize data using interactive bar charts. Built on Laravel version 11 with PHP v8.2, the application leverages Tailwind CSS for styling and Vite for asset compilation.

Features:

- **Expense Management:** Easily manage and categorize expenses.
- **Analytics:** Gain insights into spending habits through interactive bar charts.
- **Visualization:** Visualize expenses by category or time period to track where money is spent.
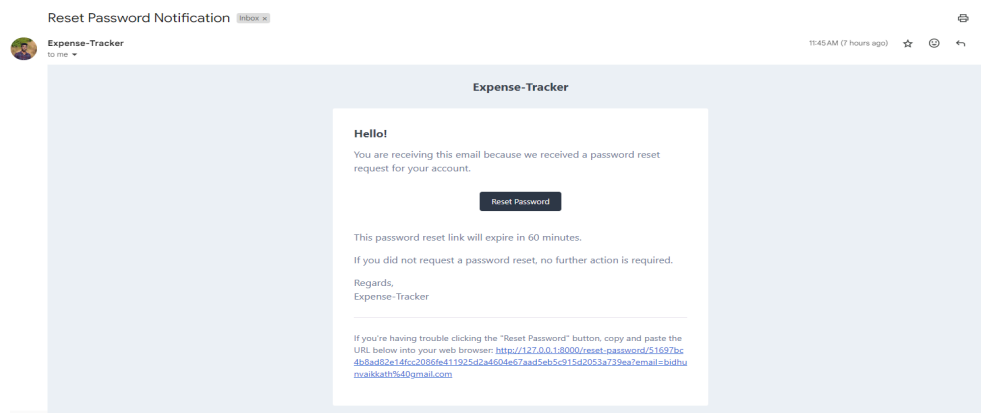
Technology Stack:

- **Backend:** Laravel v11, PHP v8.2
- **Frontend:** Vue.js, Tailwind CSS
- **Asset Compilation:** Vite
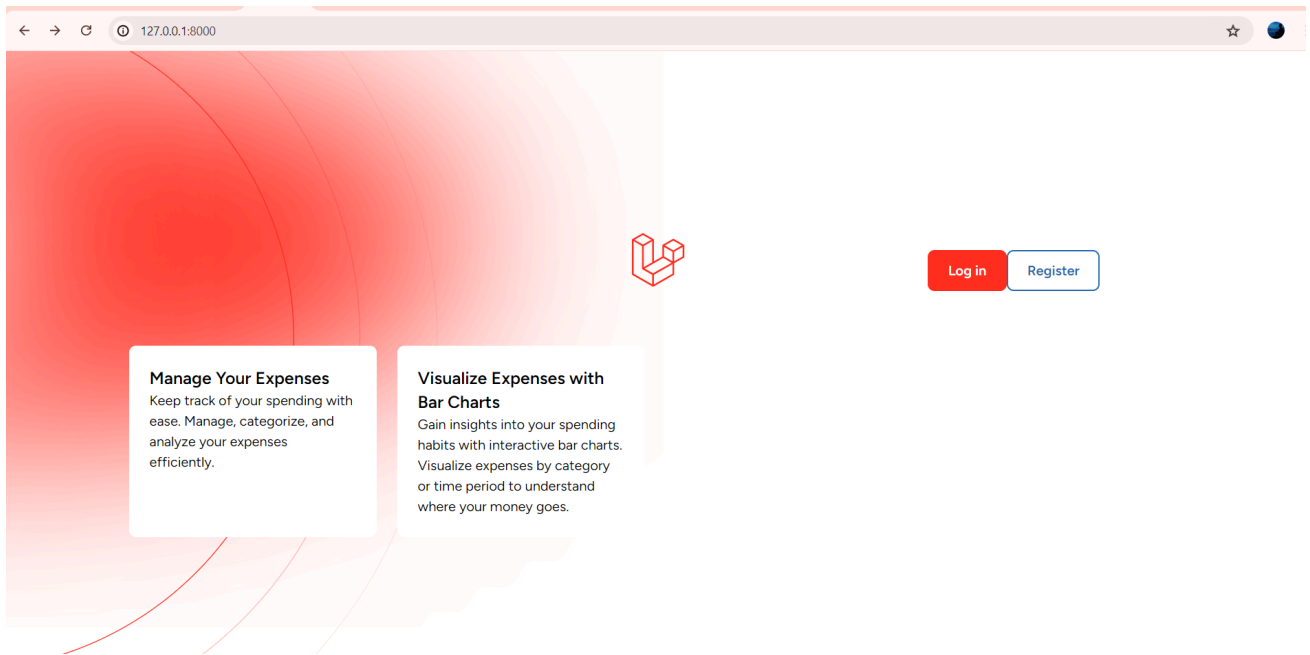
User Authentication:

- **Laravel Breeze 2.1:** Provides user registration, login, logout, and password reset functionalities.
- **SMTP Configuration:** Google SMTP servers are configured for sending password reset emails.

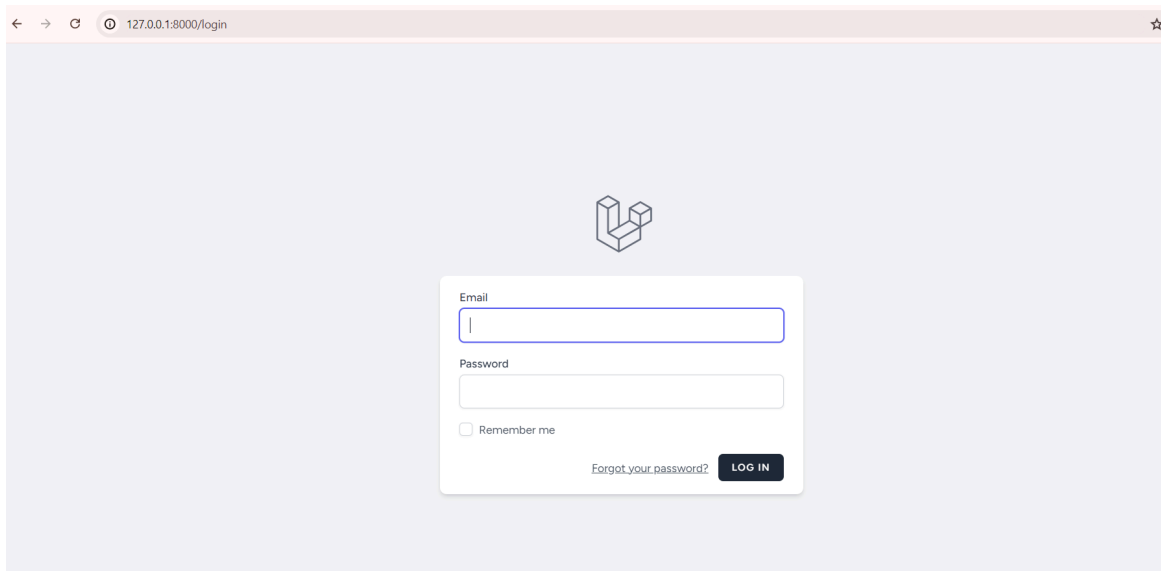As laravel breeze comes with tailwind css and vite, I have used those in this project.
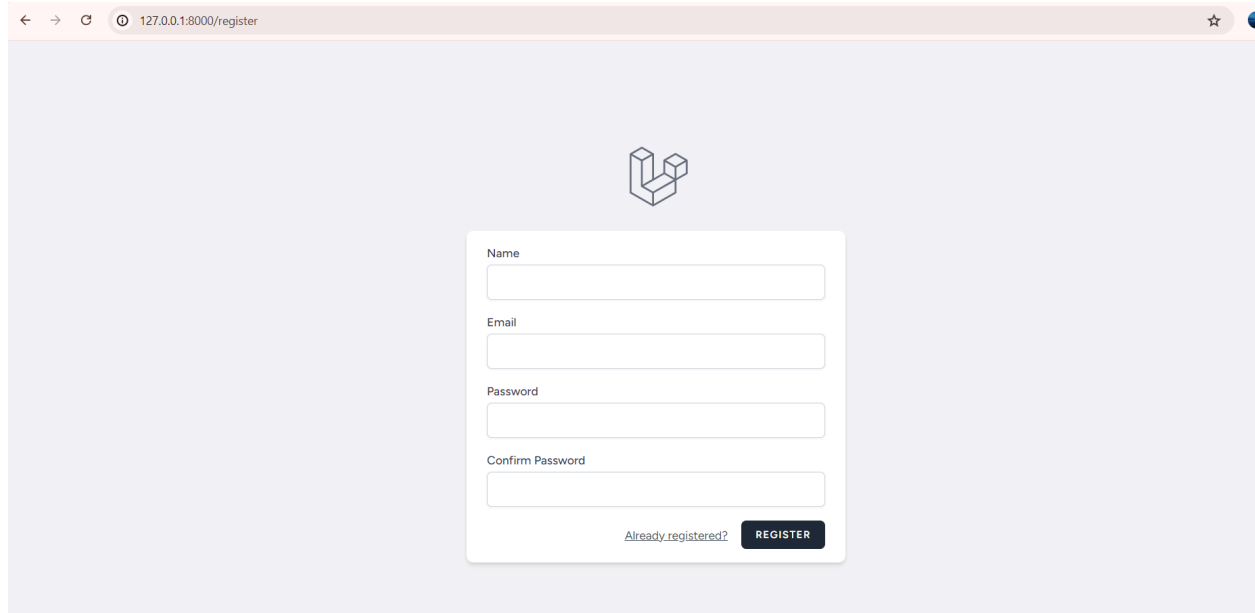
Example password reset email

Welcome page

Login page

Register page

After logging in, the user will be redirected to the dashboard, which includes the following features:

Expense Tracking Chart: Implemented using Vue Chart.js to visualize expenditure

Expense Listing: Displays expenses within a specified time frame.

Interaction Options:

- **Edit:** Users can modify existing expenses.
- **Delete:** Allows removal of expenses.
- **Add:** Provides a form for adding new expenses.

Filtering Capabilities:

- **By Category:** Enables filtering expenses by category.
- **By Date:** Allows users to narrow down expenses based on a selected date range
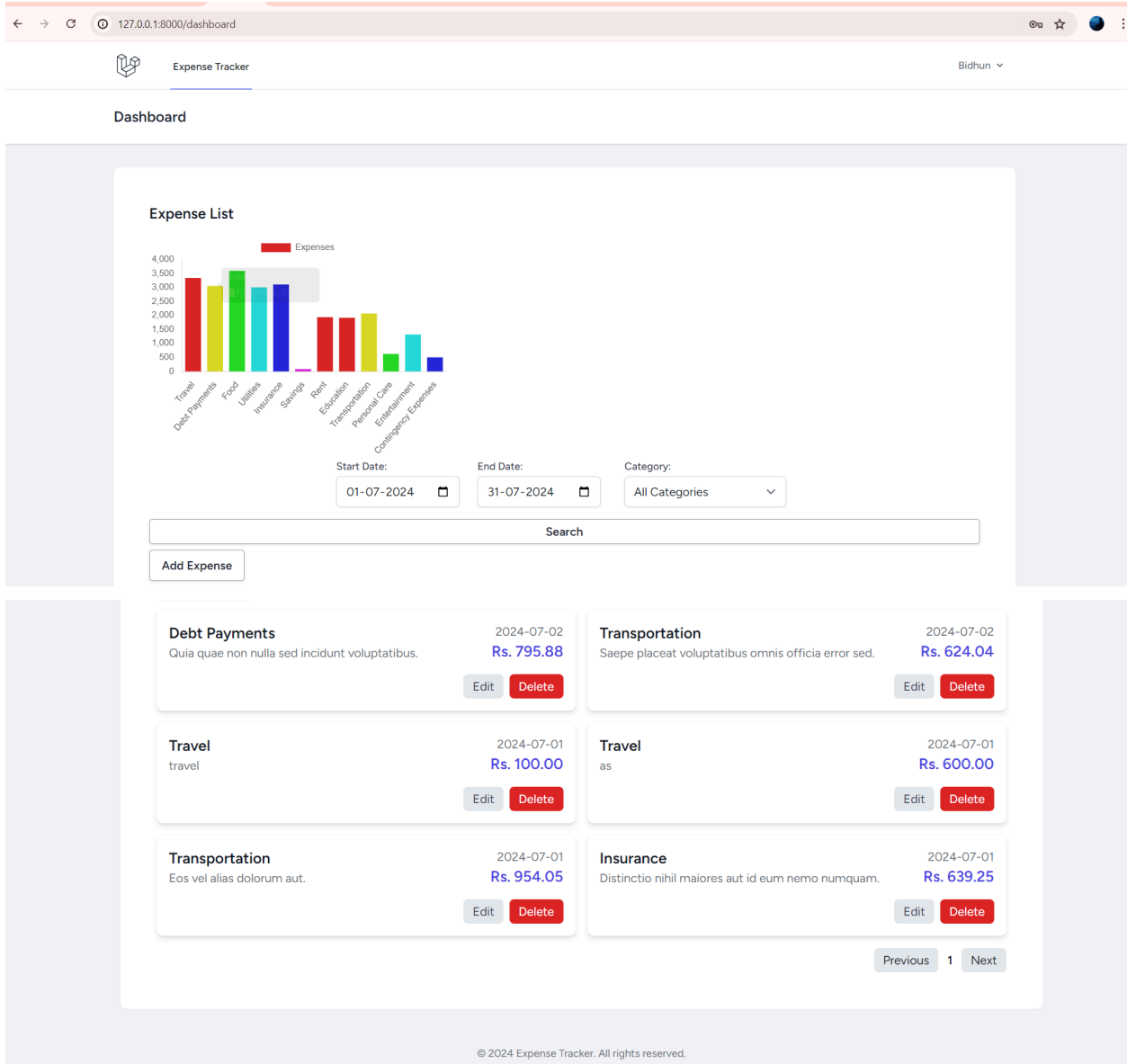
Sorting: All expenditures are ordered chronologically by the date of expense.

Pagination: Implemented to navigate through multiple pages of expenditures

Expense Form: A unified form(ExpenseForm.vue) is used for both adding and editing expenditures, implemented using Vue.js. This ensures consistency and ease of use for managing expenses directly from the dashboard..

Dashboard page

Includes BarChart.vue, ExpenseList and ExpenseForm - The chart dynamically changes, if the user filter the expenses based on the date, category.

Expense Add, Edit Form

Add and Edit option is built on the same form. Form validation is implemented in both frontend and backend.

Add form

Edit form

The forms are validated before submitting.

✕

Add Expense

Category:

Contingency Expenses ⌄

Amount:

asdsa

Please enter a valid amount.

Description:

Date of Expense:

25-07-2024 📅

Future date cannot be added

Add Expense