

## Experiment 6 : ROSPL Lab

**Aim:** To contribute to an open-source project by identifying, analyzing, and resolving a real-world issue in a web application, thereby gaining practical experience in collaborative software development, version control, and improving application usability.

### Changes Made:

This PR introduces a comprehensive data visualization feature for the Expense Tracker module, enhancing the financial insights section of the WealthVision platform. It integrates multiple charts (Pie, Bar, and Comparative visualizations) to display income and expenses in an interactive and visually appealing way.

### Key Features Added

- Pie Chart showing expense distribution by category (e.g., groceries, entertainment, savings).
- Bar Chart comparing daily or monthly income vs. expenses.
- Time Range Filters to view transactions by week, month, or custom range.
- Smart Summary Section that dynamically updates based on selected filters.
- Modern UI Enhancements — improved layout, card design, and chart responsiveness for mobile and desktop.

### Technical Implementation

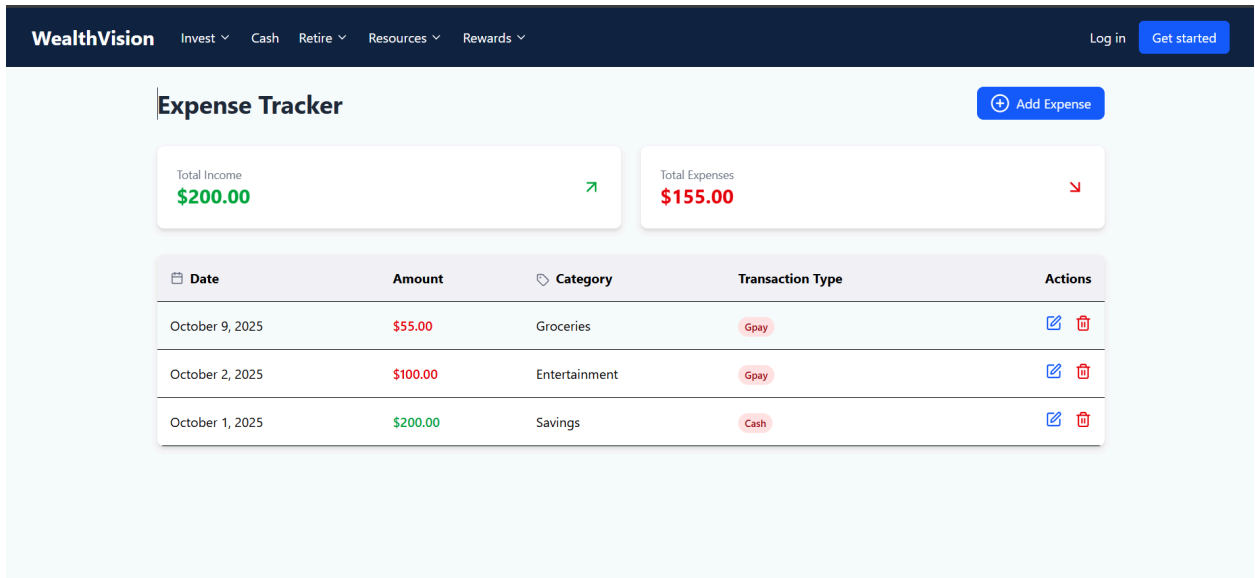
- Integrated charting using Recharts (React-based chart library).
- Added new state and logic for filtering data by time and category.
- Updated CSS for consistent alignment and responsive design.
- Refactored existing Expense Tracker components to include analytics widgets.

### Benefits

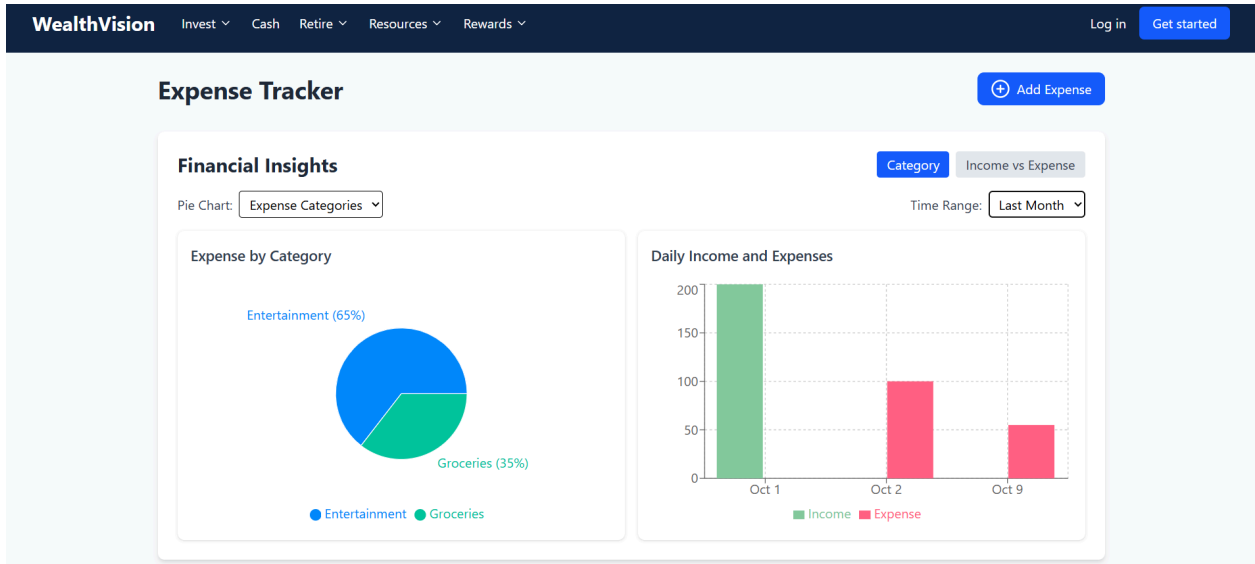
- Enables users to visualize financial trends and manage spending effectively.
- Adds a data-driven approach to financial tracking.
- Improves the user interface with a clean, dashboard-style experience.
- Aligns with modern fintech dashboard standards.

**Github Repository:** <https://github.com/contributorsclub/finance-app>

Before:



After:



## Pull Request Generated:

The screenshot shows a GitHub Pull Request (PR) titled "Implemented Charts for better visualization #1" in the repository "contributorsclub / finance-app". The PR is currently open and is a draft. It shows 1 commit and 5 files changed. The PR description includes a detailed overview of the changes, key features added, technical implementation details, and benefits. The right sidebar shows the PR's status, including reviews, assignees, labels, projects, milestones, development, and notifications.

**Implemented Charts for better visualization #1**

**Open** Bhushan210104 wants to merge 1 commit into contributorsclub:main from Bhushan210104:feature/added-multiaccount

Conversation 0 Commits 1 Checks 0 Files changed 5 +148 -0

**Bhushan210104** commented last week • edited

This PR introduces a comprehensive data visualization feature for the Expense Tracker module, enhancing the financial insights section of the WealthVision platform. It integrates multiple charts (Pie, Bar, and Comparative visualizations) to display income and expenses in an interactive and visually appealing way.

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**Reviewers**

No reviews

Still in progress? [Convert to draft](#)

**Assignees**

No one assigned

**Labels**

None yet

**Projects**

None yet

**Milestone**

No milestone

**Development**

Successfully merging this pull request may close these issues.

None yet

**Notifications** Customize

## Pull Request Accepted:

The screenshot shows the same GitHub Pull Request, but now it is merged. The status has changed from "Open" to "Merged". The PR description and details remain the same, but the right sidebar now shows the merged status and an "Unsubscribe" button.

**Implemented Charts for better visualization #1**

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**Reviewers**

No reviews

**Assignees**

No one assigned

**Labels**

None yet

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None yet

**Milestone**

No milestone

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Successfully merging this pull request may close these issues.

None yet

**Notifications** Customize

Unsubscribe

**My Github Changes Link:** [https://github.com/kaushalcracks/finance-app\\_OS](https://github.com/kaushalcracks/finance-app_OS)

## Conclusion:

This enhancement transforms the Expense Tracker from a basic table view into a powerful visual analytics tool, providing deeper insights into user spending habits and income patterns. It's a major step forward in improving engagement, usability, and financial awareness for users.