

PeCents MonSense

Documentation

A money tracking web app

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Project Overview

PeCents MonSense, short for Peso Centavo Money Sense, is a simple and intuitive money-tracking web app designed to help users build better financial habits. It includes a savings tracker for setting and achieving financial goals, along with a spending tracker that helps users monitor expenses and make more informed financial decisions.

This app is ideally designed for individuals who often find it challenging to monitor their finances, whether they tend to overspend, forget where their money goes, or simply want a clearer picture of their daily expenses and savings habits. PeCents MonSense is a good buddy for such thorny problems.

The goal is to make money-tracking quick, convenient, and accessible anytime, especially for individuals who struggle to stay on top of their finances and need a simple tool to guide their daily spending and saving habits.

The app was developed using the Scrum-Agile Software Development Methodology (SDM).

Sprint Goals

Project Roles

Scrum Master: Jarell Tamonte

Development Team:

- Kyle Cedryck Antonio, **Frontend and QA**
- Andrei Nathaniel Malang, **Frontend and Backend**
- Aga Timothy Daniel Obligado, **Frontend**
- Jarell Tamonte, **Research and Documentation**

Objectives

- Be able to deposit and withdraw funds,
 - Be able to track expenses, and
 - Be able to save wisely and consciously.
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Weekly Stand-Up Logs

SPRINT WEEK 1 PRIORITIES		Importance	Goal
Strategy Planning	Team planning for the flow of the web app sprint, its function to be included, and prototype finalization	So that developers can streamline the work with ease and dynamism.	To have an organised task management system.
Subtasks	I. Create a Git repository II. Finalize the color palette and elements to be used III. Initiate the creation of the project		

SPRINT WEEK 2 PRIORITIES	Importance	Goal
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Home Page and Dashboard	The user's ability to deposit, withdraw, and manage funds, and to navigate to other pages and have an enjoyable UI	So users can store and manage their funds through the website. In addition, so they can navigate to other pages with ease and have an easy time with the UI	To have easy navigation and a good UI/UX experience.
Savings Page	The user's ability to allocate parts of their funds to a separate savings section	So users can avoid unnecessary and excessive spending.	To give users awareness of the money they are amassing for something important.
Expense History Function	The user's ability to see where their withdrawn funds have been spent	So users can monitor and track their spending habits and have easy access to expense reports	For users to track their expenses and to be able to plan smarter spending decisions
Subtasks	<ul style="list-style-type: none"> I. Fund Display II. Deposit and Withdraw Function III. Transfer to Savings function IV. Navigation Bar V. UI Cleanup VI. Expense History Display 		

SPRINT WEEK 3 3 PRIORITIES		Importance	Goal
Expense History Function	Allows the user to see expenses in a category view	So the user can track the expenses better with the clutter-free categories of expenditures	To add a navigation for expense categories.
Profile Page	Shows users basic information about themselves.	So users can verify if the information they gave to the application is correct.	To display information that is relevant to the user.
Subtasks	<ul style="list-style-type: none"> I. Profile Page Layout II. Link Home Page Functions to Expense History Page III. Categorical Expense History View 		

Scope and Objectives

Objectives

- Make money-saving intuitive, reliable, and convenient through a simple, efficient interface.
- Provide a clear, easy-to-read dashboard that allows users to view and track their expenses at a glance.
- Equip users with insights and tools that support informed budgeting and financial decision-making.

Scope

The money tracking app will cover the following:

- **Dashboard** - Centralized view and visualization of the expenses and budget
- **Savings Page** - Includes the ability to withdraw, deposit, and add a goal
- **Profile Page** - Information about the user

Out of Scope

- Account Integration or user login.
- Comments, task grouping, or collaboration features.

User Stories

Sprint 1 Narrative

User Stories	Acceptance Criteria	Assigned To	Status
<i>As a user, I want to add funds, withdraw funds, and view my current balance so that I can manage my money directly on the website.</i>	<ul style="list-style-type: none">• Users can input a deposit amount and see their balance increase.• Users can input a withdrawal amount and see their balance decrease.• The homepage displays the current total balance in real time.	Frontend, Backend Developers	Done

Sprint 2 Narrative

User Stories	Acceptance Criteria	Assigned To	Status
<i>As a user, I want smooth navigation across</i>	<ul style="list-style-type: none">• The navigation bar or	Frontend Developers	Done

<i>different pages so that I can manage my funds and track expenses without confusion.</i>	<p>equivalent UI is visible and accessible on all pages.</p> <ul style="list-style-type: none"> • Users can switch between Home, Savings, and Expense History without errors. 		
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Sprint 3 Narrative

User Stories	Acceptance Criteria	Assigned To	Status
<i>As a user, I want to review the information I provide and see my expenses organized into categories so that I can ensure accuracy and track where my money goes.</i>	<ul style="list-style-type: none"> • Users can view a profile page displaying the information they submitted. • The expense list displays categories beside each expense entry. 	QA	To Do

Sprint Backlog

Sprint Week 1	Task	Priority	Assigned To	Status
November 6, 2025	Plan the Strategy	Low	Tamonte, J.	Completed
	Definition of Done: <ul style="list-style-type: none"> I. The color palette for the project has been finalized [20 mins] II. The structure of the website is decided [01 hr] III. The project prototype was created [03 hrs] IV. Documentation is initialized [30 mins] V. Team planning and meeting [45 mins] 			
Sprint Week 2	Task	Priority	Assigned To	Status
November 10, 2025	Begin coding in VS Code	Low	Malang, A.	Completed
	Definition of Done: <ul style="list-style-type: none"> I. Initiated the creation of the project [10 mins] II. Built the Navigation Bar [2 hrs] III. UI and color palette updated [20 mins] 			
November 11, 2025	Create the Git repository	Low	Antonio, K.	Completed
	Definition of Done: <ul style="list-style-type: none"> I. Spearheaded the creation of GitHub [10 mins] 			
November 15, 2025	Create the Home page	Medium	Malang, A.	Completed
	Definition of Done: <ul style="list-style-type: none"> I. Developed base Dashboard layout [1 hr] II. Adjustments to Homepage [15 mins] 			
November 16, 2025	Create the Savings page	High	Antonio, K.	Completed
	Definition of Done: <ul style="list-style-type: none"> I. Developed the Savings Page layout [1 hr] II. Added page routing from homepage to Savings Page [20 mins] 			
November 16, 2025 (1 week late)	Create the Profile page	Medium	Obligado, A	Complete
	Definition of Done: <ul style="list-style-type: none"> I. Editable personal information [20 mins] II. State-managed user data [10 mins] 			

	III. A working edit form [30 mins] IV. Save + cancel actions [15 mins] V. Dynamic transactions + account display [10 mins]			
Sprint Week 3	Task	Priority	Assigned To	Status
November 20, 2025	Polish the Home page	High	Malang, A.	Completed
	Definition of Done: I. Dashboard Manage Funds functionality (Deposit, Withdraw) [1hr] II. Dashboard & Savings Page: Add to & Withdraw from Savings functionality [30 mins] III. Dashboard Graph UI Refinements [1 hr] IV. Dashboard Savings Display [30 mins]			
November 20, 2025	Polish the Savings page	Medium	Antonio, K.	Completed
	Definition of Done: I. Savings Page design modified [20 mins] II. Matched colors from Homepage [10 mins]			
November 28, 2025	Polish the Profile page	Medium	Obligado, A.	In Progress
	Definition of Done: I. Profile info modified [20 mins]			

Blockers/Challenges

1. The ' Move to Savings' button is not updating savings despite displaying a confirmation prompt.
2. Withdraw from savings is not updating funds despite the confirmation prompt.
3. Graph responsiveness overlaps at mid window widths.
4. Switching between the monthly view and the daily view has graph bugs. If the scrollbar is at the far end of the graph in daily view, it doesn't change. When switching to the monthly view, the user is presented with a blank view until they scroll all the way back to the start.

Sprint Review

Overall Impression

Stakeholders appreciated the progress made in setting up the core features. They noted that the foundation is solid and the current functionality aligns well with the sprint goals. However, they also emphasized that the overall UI requires significant refinement, particularly on the profile and dashboard pages, to ensure a smoother and more visually cohesive user experience.

Design and Usability

The design and usability review highlighted several key points:

- **Visual consistency needs improvement** across pages. Certain sections, especially the dashboard and profile, lack cohesive spacing, alignment, and visual hierarchy.
- **Navigation flow is functional but could be more intuitive**, particularly when switching between savings, expenses, and profile pages.
- **Typography and color usage require refinement** to improve readability and reinforce the app's branding.
- **Some UI components feel too plain or unstructured**, which impacts the overall user experience. Enhancing button styles, card layouts, and section spacing would create a more polished interface.
- **Mobile responsiveness is still limited**, with some elements overlapping or not scaling well on smaller devices.

Sprint Retrospective

What went well? <ul style="list-style-type: none">• Core money-tracking features performed smoothly, including adding funds, withdrawing funds, and automatically updating the user's total balance.• The savings and expense tracking pages were successfully implemented, giving users separate, organized views of their financial activity.• UI/UX was intuitive and minimalistic, allowing users to navigate the app without confusion and maintain focus on their financial goals.• Categorized expense tracking worked effectively, allowing users to classify expenses into food, transport, miscellaneous, and other categories.• Basic profile information display was functional, enabling users to review and validate the details they submitted.	What could be improved? <ul style="list-style-type: none">• Code structure and maintainability need improvement as more features are added; some components can be refactored for cleaner organization.• Mobile responsiveness requires refinement, as certain layouts may not scale perfectly on smaller screens.• More advanced financial tools, such as budget suggestions or analytics, were not implemented due to time constraints.• Error handling and validation messages need to be more user-friendly, especially when entering invalid amounts or categories.• The UI for the Profile page requires significant refinement.
What will we do differently next sprint? <ul style="list-style-type: none">• Conduct team syncs at the start and midpoint of the sprint to align on task dependencies and ensure consistent integration between components.• Improve mobile responsiveness and standardize design spacing for different screen sizes.• Implement real-time updates between task creation and dashboard displays.• Add search, filtering, sorting, and search functionalities to enhance user experience and efficiency.• Focus on code cleanup and create reusable UI components for better maintainability.	

Web App Snapshots



Release Plan

Release Version	Duration	Key Deliverables	Objectives
Release 1.0 (Beta)	3 Weeks	Basic Savings and Expenses Tracker Function.	To release the minimum viable product version, a simple finance tracking website.
Release 2.0	4 Weeks	Added additional features, enhanced UI, and graph improvements to expand the functionality of the former.	To release the final version, a fully functional and polished finance tracking website

Deployment Environment

- Staging: GitHub Actions CI/CD → AWS EC2 (Testing)
- Production: Dockerized build → AWS Cloud → PostgreSQL (Managed DB)

Pipeline Logs

Manual Testing Summary

Sprint Week 1 (Nov 6, 2025)

Planned the project strategy

- Finalized color palette and initial UI direction.
- Decided the website structure (Dashboard, Savings, Profile).
- Created the project prototype.
- Started documentation and conducted team planning.

Sprint Week 2 (Nov 10–16, 2025)

Nov 10 – Began Coding in VS Code

- Started the project setup.
- Built the Navigation Bar and page routing structure.
- Applied initial color palette and UI adjustments.

Nov 11 – Git Repository Creation

- Set up GitHub repo and initialized version control.

Nov 15 – Homepage Development

- Built the base Dashboard layout.
- Adjusted spacing and UI elements on the homepage.

Nov 16 – Savings Page Creation

- Created the Savings Page layout.
- Added routing from Dashboard → Savings page.

Nov 16 – Profile Page (1 week late)

- Built editable user information fields.
- Implemented state management for user data.
- Added working edit/save/cancel actions.
- Displayed dynamic account + transaction details.

Sprint Week 3 (Nov 20–28, 2025)

Nov 20 – Home Page Polish

- Implemented Deposit/Withdraw logic for Dashboard.
- Synced Dashboard and Savings page balances.
- Refined Dashboard graphs and overall UI.

Nov 20 – Savings Page Polish

- Updated Savings page design.
- Matched the color palette to the Dashboard.

Nov 28 – Profile Page Polish (In Progress)

- Updated profile information layout.
- Continuing refinement for spacing, readability, and usability.

Testing Logs

Savings Page	Homepage	Profile Page
Test: Add to Savings and Withdraw from Savings • Result: Working	Test: Added ₱1000 → Expected: Balance updates • Result: Successful	Test: Edit user info → Save → Display updated data • Result: Working

<p>correctly, reflected on Dashboard</p> <ul style="list-style-type: none">● UI Issue: Some text misalignment● Fix: Adjusted CSS spacing and font sizes.	<p>Test: Withdrew ₱300 → Expected: Deduct balance</p> <ul style="list-style-type: none">● Result: Successful● Bug Found: No validation for negative withdrawals● Fix: Added value checks before updating the balance.	<p>Test: Cancel edits → Data should remain unchanged</p> <ul style="list-style-type: none">● Result: Working● Issue: Layout spacing is inconsistent● Status: Fix in progress.
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Deployment Logs

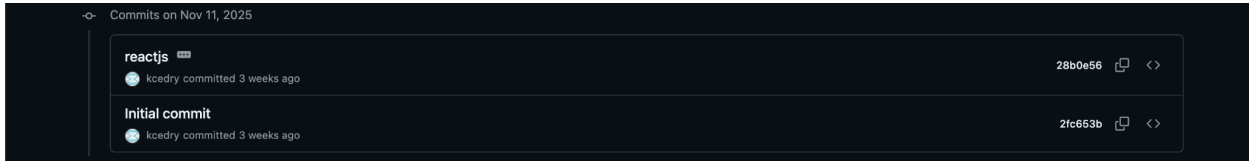
Initial Deployment:

- Project deployed to the hosting environment (local build server).
- Verified routing, forms, and balance updates.

Post-Deployment Tests:

- Pages load correctly.
- Basic functions (Deposit, Withdraw, Save, and Add Goal) work as expected.
- Minor UI inconsistencies noted for final polishing.

GitHub Commits



The first commit was initiated on November 11, 2025.

The git has 25 overall commits.

Commits

main



All usersAll time

Commits on Nov 27, 2025

[Obligado] Profile Page Navbar Implementation

AnamXI committed 5 days ago



2adc916



Dashboard Chart Refinements

AnamXI committed last week

8838a04





Commits on Nov 26, 2025

Graph Update

AnamXI committed last week



93152bd



Graph Base Functionality

AnamXI committed last week



63066d4



ReCharts Initialization

AnamXI committed last week



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Fix

AnamXI committed last week



5d4330e



Dashboard totals display

AnamXI committed last week

341a00c



Commits on Nov 22, 2025

Last commit was pushed on November 27, 2025.

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Tools and Technologies Used

Category	Technology/Tool	Purpose
Version Control	GitHub	Source code management and collaboration
Backend	None	RESTful API for inventory operations
Frontend	React.js	Interactive UI for users
Database	Local Storage	For the task list and completion data
Authentication	JWT (JSON Web Tokens)	Secure user sessions
Cloud Deployment	AWS EC2 / S3	Hosting and asset storage
Project Management	Google Docs	Task tracking and sprint planning

Summary and Conclusion

PeCents MonSense was designed to help users make better financial decisions and achieve their savings goals more efficiently. The idea stemmed from a common challenge: many people struggle to keep track of where their money goes, making it difficult to budget, control expenses, and maintain consistent savings. This web app provides the tools and features necessary to address these issues, giving users a clearer, more organized view of their finances and empowering them to manage their money with confidence.

Our group dedicated three weeks to developing a web application that promotes financial literacy. Despite encountering challenges along the way, the team worked collaboratively to address issues and ensure a stable and functional first release. While the project still has flaws in its early phase, the developers promise to improve and fix those challenges with consistent determination to give the best experience for potential users.

Through a structured release plan and modern web technologies like React, Node.js, and AWS, PeCents MonSense ensures scalability, reliability, and ease of use, empowering users to stay on top of their finances with minimal effort.