ASHESI UNIVERSITY

SaveMyPocket

Mobile Application Develepoment Final Report

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App Description

SaveMyPocket is a personal finance management app built with Flutter that helps users take control of their money through expense tracking, budget planning, savings goals, and financial analytics.

Purpose

The app addresses common financial challenges by providing tools to:

- Track daily expenses across different categories
- Set and monitor monthly budgets with clear visual feedback
- Create savings goals with progress tracking
- Analyze spending habits through detailed reports
- Maintain an overview of personal financial health

Target Audience

SaveMyPocket works well for:

- People who find it difficult to track expenses or stick to budgets
- Students learning to manage their finances
- Anyone wanting better insight into their spending patterns

Feature List

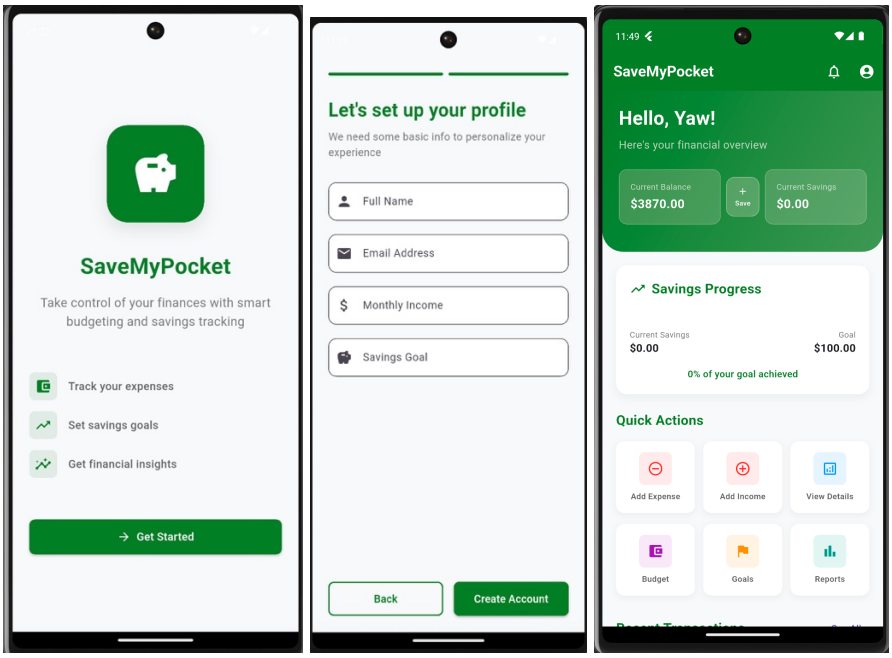
SaveMyPocket provides personal financial management through a simple onboarding process that captures user income and savings preferences. The expense and income tracking system lets users categorize transactions with descriptions, dates, and receipt photos across categories like Food, Transportation, Shopping, and Bills. Budget management allows users to set spending limits for different categories with visual warnings and progress tracking. The savings goals feature supports multiple objectives

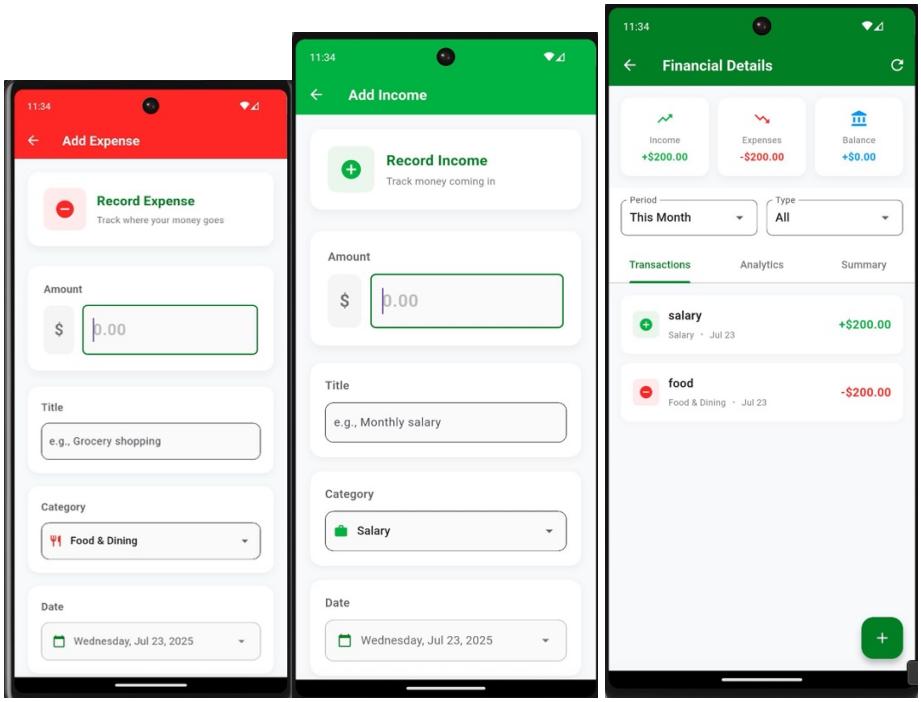
with target amounts, deadlines, and progress visualization. Financial reporting shows spending insights through charts that break down monthly trends and category spending. The app also includes settings for notifications, security preferences, data export, and help resources.

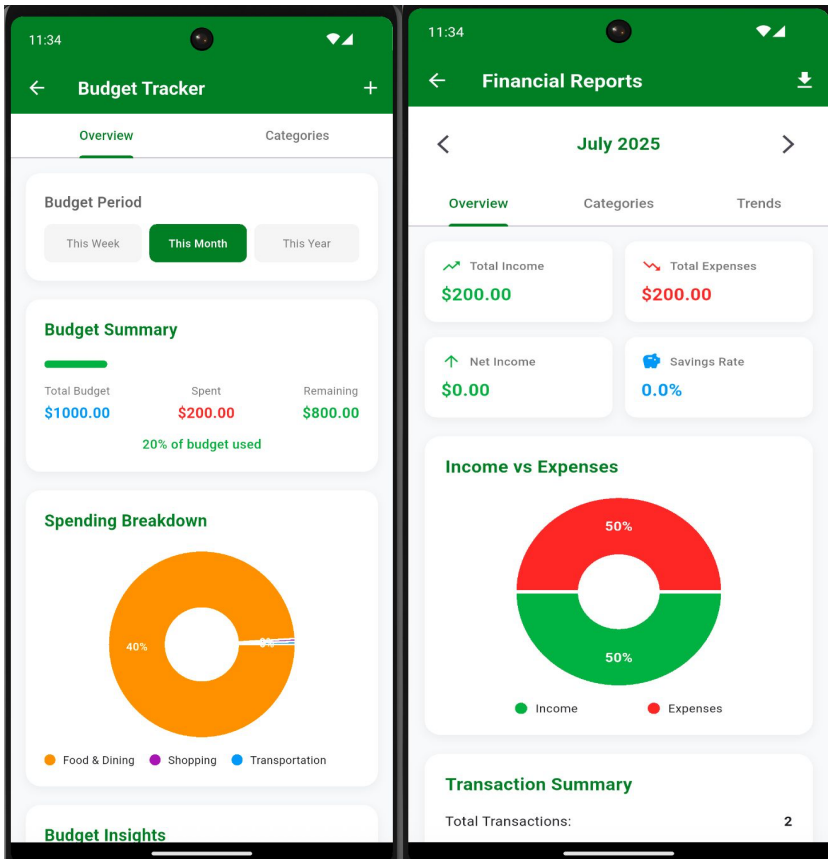
Lessons Learned

Working on SaveMyPocket taught valuable lessons about Flutter architecture, particularly the importance of organizing code through separate models, services, and providers while using centralized routing. Technical highlights included implementing Provider for state management, SQLite for data storage, and building reusable UI components. The development process showed how crucial it is to focus on core features first, especially when working under time constraints, and to test incrementally rather than building everything at once. UI challenges like handling different screen sizes and preventing overflow taught important lessons about responsive design. Overall, the project reinforced that good planning, modular code structure, and prioritizing essential functionality leads to more successful app development.

Screenshots


SaveMyPocket
Take control of your finances with smart budgeting and savings tracking
Track your expenses
Set savings goals
Get financial insights
Get Started
Let's set up your profile
We need some basic info to personalize your experience
Full Name
Email Address
Monthly Income
Savings Goal
Back
Create Account
11:49
SaveMyPocket
Hello, Yaw!
Here's your financial overview
Current Balance
$3870.00
Save
Current Savings
$0.00
Savings Progress
Current Savings
$0.00
Goal
$100.00
0% of your goal achieved
Quick Actions
Add Expense
Add Income
View Details
Budget
Goals
Reports


11:34
Add Expense
Record Expense
Track where your money goes
Amount
$
0.00
Title
e.g., Grocery shopping
Category
Food & Dining
Date
Wednesday, Jul 23, 2025
11:34
Add Income
Record Income
Track money coming in
Amount
$
0.00
Title
e.g., Monthly salary
Category
Salary
Date
Wednesday, Jul 23, 2025
11:34
Financial Details
Income
+$200.00
Expenses
-$200.00
Balance
+$0.00
Period
This Month
Type
All
Transactions
Analytics
Summary
salary
Salary • Jul 23
+$200.00
food
Food & Dining • Jul 23
-$200.00



Widget Tree

```
SaveMyPocketApp (MaterialApp)
├── MultiProvider
│   └── ChangeNotifierProvider<AuthProvider>
├── AppInitializer (Initial screen logic)
│   ├── Loading Screen (Splash)
│   ├── LoginScreen (if not authenticated)
│   └── HomeScreen (if authenticated)
└── Route Management (AppRoutes.generateRoute)
```