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Product name	P-ennywise mobile Version 1.0 Date 23 january 2023
Stakeholders	End users Mobile app development team Qa testers Customer support and service team Security and compliance team

## Introduction

### Purpose:

The P-ennywise App aims to provide users with an intuitive platform to save money effectively and achieve financial goals. It offers:

1. Goal-based saving plans.
2. Automated savings features.
3. Insights and analytics on saving habits.

### Scope:

The app will focus on financial discipline and user experience, ensuring secure transactions, clean interfaces, and support for both iOS and Android platforms.

Target audience :

The target audience includes young professionals, students, entrepreneurs, families, and first-time savers who are looking for an easy and secure way to build financial discipline, achieve savings goals, and manage their finances effectively.

## Product overview

Vision statement : To empower individuals to build financial discipline, achieve their savings goals effortlessly, and create a culture of financial independence through a secure, user-friendly, and innovative money-saving platform.

Objectives : 1. Promote consistent saving habits.  
2. Help users set and achieve savings goals.  
3. Provide a simple and intuitive interface.  
4. Ensure secure and reliable transactions.  
5. Reward users for long-term savings.

## Features

### 1. Goal-Based Saving Plans

- Description: Users can create personalized savings goals (e.g., vacation, emergency funds, tuition).
- Acceptance Criteria:
- Users can set target amounts and deadlines for goals.
- Progress tracking with visual indicators.

### 2. Automated Savings

- Description: Users can set up automatic deductions from their accounts at regular intervals.
- Acceptance Criteria:
- Flexible scheduling (daily, weekly, monthly).
- Option to save a percentage of income or a fixed amount.

### 3. Insights & Analytics

- Description: Users receive insights into their saving habits and recommendations for improvement.
- Acceptance Criteria:
- Graphical representation of savings trends.
- Custom reports on spending vs. saving.

### 4. Emergency Withdrawal

- Description: Users can access their savings in emergencies, subject to terms and conditions.
- Acceptance Criteria:
- Clearly defined withdrawal limits and penalties (if any).
- Instant access within the app.

#### 5. Reward System

- Description: Users earn rewards (e.g., badges or small interest) for meeting savings goals.
- Acceptance Criteria:
- Automatic rewards upon achieving milestones.
- Rewards visible on the user's profile/dashboard.

## Success Metrics

- Minimum of [1,000 users] achieving at least one savings goal in the first 3 months.
- App achieves [1500 downloads] within the first month.
- [90% positive user reviews] on app stores.
- Average monthly savings per user increases by [20%].

## Testing Requirements

#### Functional Testing:

- Verify the savings goal creation, automated deductions, and withdrawal processes.

#### Performance Testing:

- App should support up to 10,000 simultaneous users without delays.

#### Security Testing:

- Ensure encryption of user data, account details, and transactions.

#### Usability Testing:

- Validate ease of navigation, accessibility, and seamless user experience.

# Technical Requirements

## Technology Stack:

- Frontend: React Native
- Backend: Node.js with MongoDB
- Payment Integration: Paystack or Flutterwave for secure transactions

## Non-functional Requirements:

- Performance: Support for real-time savings tracking.
- Security: Compliance with financial data protection standards
- Compatibility:
- Usability:

# Assumptions and Constraints

## Assumptions:

- Users will have access to internet-enabled smartphones.
- Users are familiar with mobile payment systems.

## Constraints:

- Development budget: [\$10000]
- Delivery timeline: [3 months]