



HackOrbit 2025

FinAvengers



FinQuest-

A Gamified Personal Finance Tracker

Making personal finance fun, habit-forming and smart for Gen Z
Theme:

🎮 Fintech Innovation × Gamification × AI



Problem Statement:

Young people struggle with

- Boring & complex finance apps
- Lack of motivation to save
- Poor financial habits
- No fun or reward in budgeting











PROPOSED SOLUTION

Create an app that makes personal finance management feel like a fun , rewarding game , especially for GenZ and Millennials who get bored with tradition finance apps which includes features like:

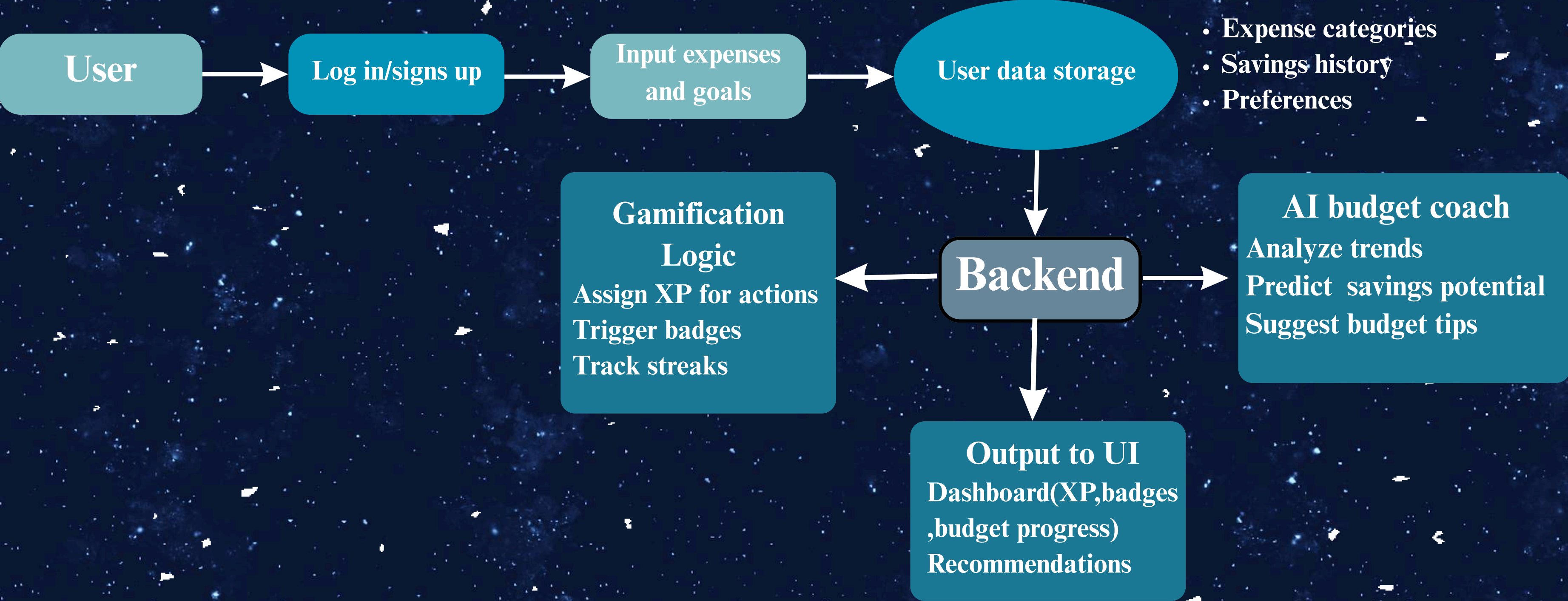
- Expense Tracking : Users log their daily expenses easily (*food , travel , shopping etc.*).
- Savings Challenges : Weekly or monthly goals like “*Save 500 this week* “ keep user engaged.
- Streaks : Users maintain a daily streak by logging expenses or staying under budget.
- Gamified Reminders : Fun , motivational daily notification like : “*Don't break your streak today!*”
- Fun UI : The app uses bright colors , emojis confetti effects and popups like “ *Level Up!*” or “*New Badge Earned*”.

Technical Approach

Component	Technology	Role in FinQuest
Frontend	 Flutter	Cross-platform mobile UI
Backend	 Python (FastAPI/Flask)	Logic, APIs, gamification
Database	 SQL (MySQL)	Store user data & expense history
Authentication	 Firebase Auth	Google/Email sign-in
AI Chatbot	 OpenAI GPT	Budgeting advice & smart responses
UX Design	 Figma	App wireframes & UI design



User Flow -FinQuest App



FLOWCHART EXPLANATION

The user flow of FinQuest is designed to make personal finance management simple , engaging and motivating for young users

1. User Onboarding: Users start by signing up or logging into the app.
2. Input Expenses and Goals : They then input their income , daily expenses and set financial goals (like saving for gadgets , trips or emergencies).
3. User Data Storage: All this data is securely stored in the app's database for further processing.
4. Backend Processing: Our backend acts as the control hub , processing user data and coordinating between various modules.
5. Gamification Logic: To drive user engagement.
6. AI Budget Coach: This is our AI-powered engine that analyzes user spending trends , predict potential savings , suggest smart budgeting tips based on user behaviour
7. Output to User Interface (UI): Finally all of this is displayed in clean user friendly dashboard keeping user informed and motivated.

FEATURES AND NOVELTY

Features

- Budget Tracking: Categorize expenses (Food, Travel, Bills, etc.)
- Savings Challenges: Fun tasks like “No Spend Day” or “Save ₹500 This Week”
- Streaks & Habits: Track daily/weekly actions and earn rewards
- Achievements & Badges: Unlock milestones like “First ₹1,000 Saved”
- Leaderboards: Friendly competition with friends
- XP & Levels: Gamified system to level up with good financial habits
- AI Budget Coach: Personalized tips, warnings & spending analysis

What Makes It Unique?

- Gamification-first Finance: Makes money management fun & rewarding
- AI-Driven Insights: Smart coaching based on user behavior
- Social Motivation: Boosts accountability through peer comparison
- Youth-Centric UI: Clean design, dark mode, daily quotes & memes
- Customizable Goals: Create personal savings missions
- Retention Focused: Habit loops, XP, and streaks keep users coming back

DRAWBACKS AND SHOWSTOPPERS

Drawbacks

- Regulatory Compliance: Apps dealing with financial data may require regulatory approvals (esp. in India)
- Data Dependency: AI insights need consistent and accurate user input
- Privacy Concerns: Users may be hesitant to share financial data
- Bank Integration: Linking accounts for automatic tracking may not work for all banks.
- Generic Tips: Early-stage advice might not suit all user profiles

Showstoppers

- Security Breach: Any data leak could break user trust instantly
- Bank/API Issues: Integration failures with financial APIs (e.g., Razorpay)
- Inaccurate AI Suggestions: Poor advice can harm financial decisions
- Low Retention: Weak UX or limited rewards could lead to user churn



FinAvenge

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THANK YOU