**📚 Book Can Cook Your Brain**

**A Gamified Reading App That Rewards Knowledge**

**🧩 Problem Statement**

In today’s digital age, many students and young adults struggle to maintain consistent reading habits. Despite the availability of books, motivation to read is low due to lack of incentives, recognition, or community engagement.

**💡 Solution Overview**

**Book Can Cook Your Brain** is a mobile-first platform that gamifies reading and rewards users for completing books. It transforms reading into a social, rewarding, and habit-forming experience.

**🎮 Key Features**

| **Feature** | **Description** |
| --- | --- |
| 📖 Book Library | Curated collection of books across genres |
| 🧠 TRP Score | Earn Trust Rating Points for each book completed |
| 💵 Read-to-Earn | Get paid for reading—e.g., $5 for every 9 books |
| 👥 Referral System | Invite friends and earn bonus points |
| 📊 Leaderboard | Track top readers and gain followers |
| 🗣️ Book Reviews | Share your thoughts and rate books |
| 🏆 Achievements | Unlock badges and milestones |
| 🔍 AI Assistant | GPT-powered chatbot for book recommendations and summaries |

**🛠️ Technology Stack**

| **Layer** | **Technologies Used** |
| --- | --- |
| Frontend | React Native / Flutter |
| Backend | Node.js with Express.js / Firebase |
| Database | MongoDB / Firestore |
| AI Assistant | OpenAI GPT API |
| Auth | OAuth (Google/Facebook), JWT |
| Storage | AWS S3 / Cloudinary |
| Deployment | Play Store / App Store |
| Analytics | Mixpanel, Firebase Analytics |

**🎯 Expected Outcomes**

* Increased reading engagement among youth.
* Tangible rewards for intellectual growth.
* A vibrant community of book lovers.
* A new way to monetize personal development.

**🌟 Unique Value Proposition**

* **Gamified Reading**: Makes reading fun and competitive.
* **Monetary Incentives**: Earn while you learn.
* **Social Recognition**: Build a follower base through reading.
* **AI Integration**: Personalized book suggestions and summaries.
* **Scalable Model**: Expandable to schools, colleges, and corporate learning.

**🧪 MVP Features**

**Phase 1**

* Book Library
* TRP Score Tracker
* Referral System
* Leaderboard
* AI Chatbot

**Phase 2**

* Wallet & Payouts
* Book Reviews & Ratings
* Personalized Recommendations
* Community Feed

**🔄 Workflow Summary**

1. User signs up and selects books.
2. Reads and completes books via app.
3. Earns TRP points and monetary rewards.
4. Refers friends and climbs leaderboard.
5. Engages with community and AI assistant.

**🧬 Entity Relationship Overview**

* **User** → Reads Books, Refers Friends
* **Book** → Linked to TRP Score, Reviews
* **Admin** → Manages Library, Rewards
* **AI Bot** → Suggests Books, Answers Queries

**📋 Software Requirements Summary**

**Functional Requirements**

* User registration and login
* Book reading interface
* TRP score calculation
* Referral tracking
* AI chatbot integration

**Non-Functional Requirements**

* Performance
* Security
* Scalability
* Usability
* Maintainability

**User Roles**

* Reader
* Admin
* AI Assistant

**Constraints**

* Mobile-first design
* Cloud-based hosting
* Compliance with data protection laws