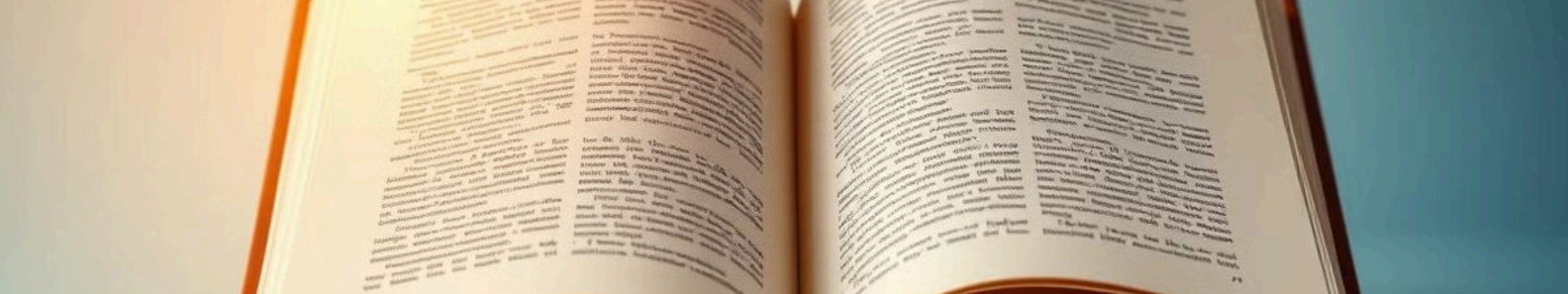# StudyBuddy: Your AI-Powered Smart Study Partner

Revolutionizing learning through personalized recommendations and smart study tools.

Comprehensive Study Toolkit

Flashcards & Quizzes

Create, upload, and practice with real-time feedback.

Practice Tests

Generate tests from text or files to identify weak areas.

Expert Solutions

Access expert textbook solutions suggested by AI.

AI-Powered Features

Flashcard Creation

AI generates questions from uploaded study material.

Study Guide Generation

Future enhancement: AI creates customized study guides.

Study Partner Matching

1

AI Matching

Connect with peers based on subjects and interests.

2

Filter Options

Find partners by location and preferred study style.

3

Messaging System

Communicate easily within the platform.

Personalized Learning Journey

1	Mastery
2	Collaboration
3	Practice
4	Foundation

Technology Stack

</>

React.js

Frontend development

Node.js & Express.js

Backend environment

MongoDB

Database solution

Google Gemini API

AI integration
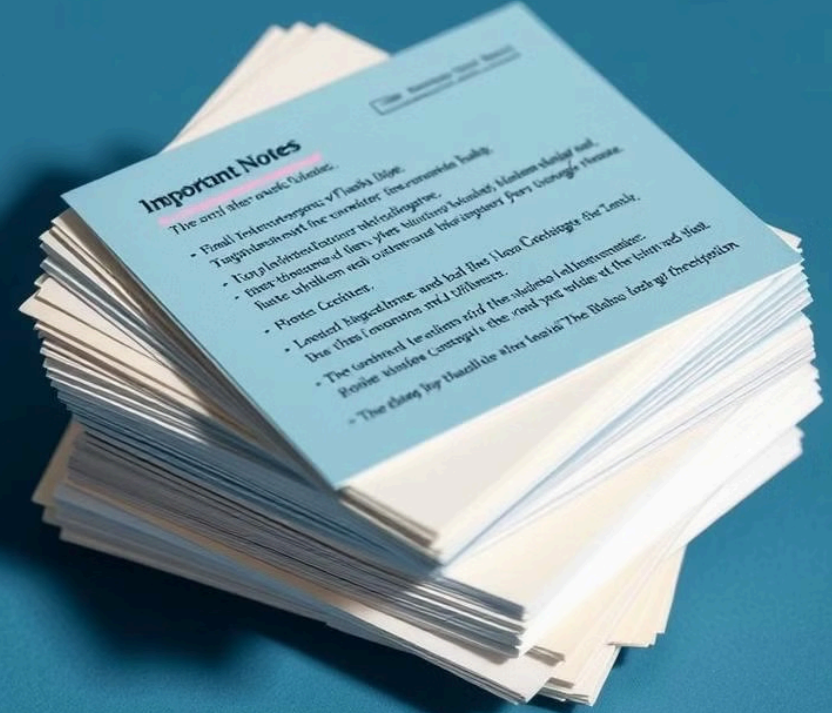
Flashcard Mastery

1 **Create**

Upload your flashcards.

2 **Practice**

AI-generated quizzes.

3 **Score**

Real-time feedback.

Practice Makes Perfect

1 Generate Tests

2 Expert Solutions

3 Track Performance

Future Enhancements

1 Mobile App

2 AI Study Guides

3 Expanded Features
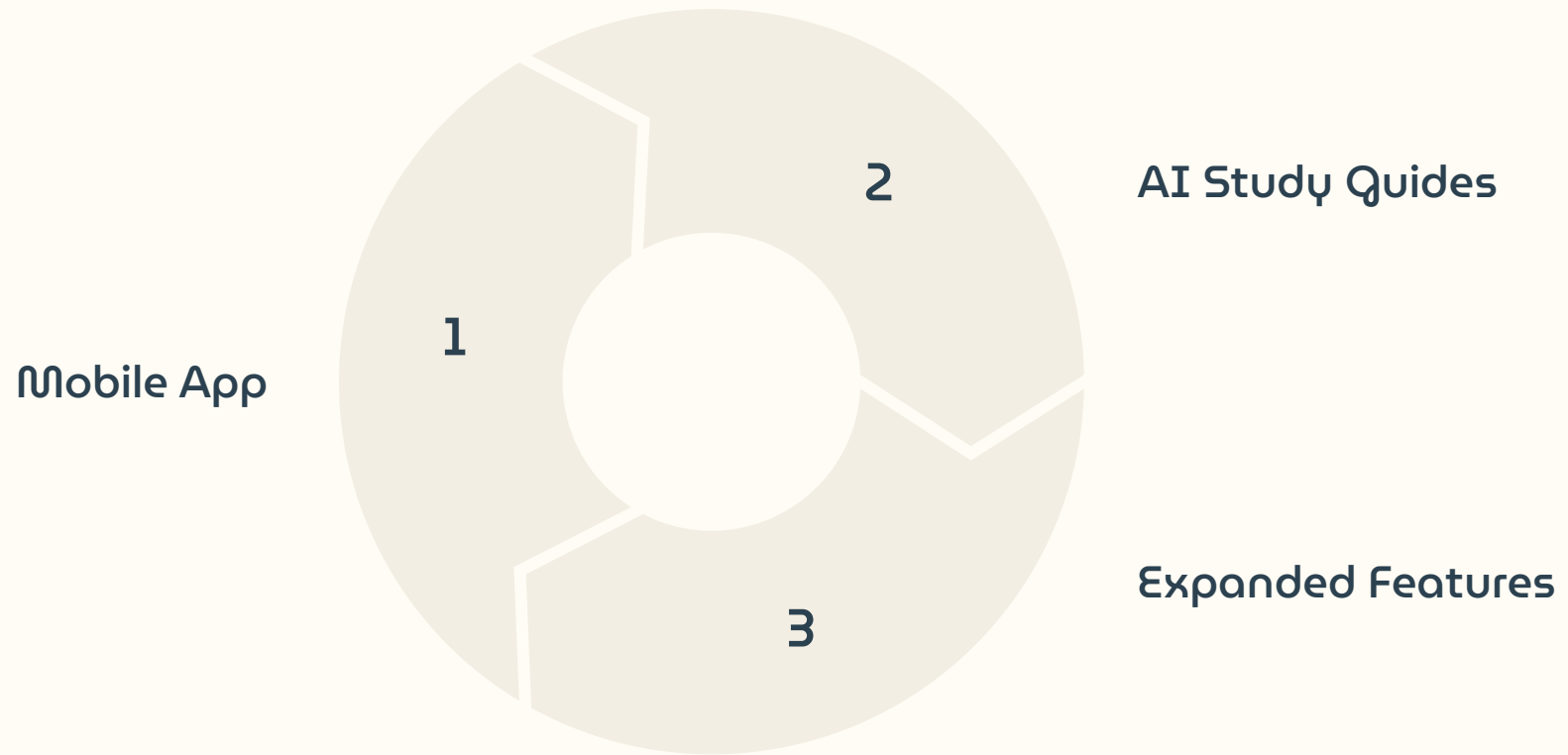
Key Takeaways

- Personalized learning experience.

- AI-powered study tools.

- Effective partner matching.