

# Software Engineering Project Documentation

Final Evaluation

Topic: NextChapter

Group-10

Functional Requirements

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# 1 Functional Requirements

## 1.1 Functional Requirements (FRs) Identified

*Derived directly from surveys, interviews, and observations.*

### 1.1.1 User Authentication & Profile Management

- Secure registration/login, social login options, password recovery, and profile customization.
- **Elicitation Source:** Survey respondents expressed concerns about unsafe links, indicating a need for strong authentication and safety.

### 1.1.2 Catalogue Browsing & Search

- Ability to browse by genre, filter new releases, trending titles, and perform keyword searches.
- **Elicitation Source:** Survey complaints about inaccurate discovery and not finding relevant editions.

### 1.1.3 Book Access & Reading Tools

- Features such as bookmarking, highlighting, annotation, dictionary lookup, and offline access.
- **Elicitation Source:** Survey respondents repeatedly asked for immediate and high-light dictionary features.

### 1.1.4 Progress Tracking & Sync

- Mark books as read/unfinished, save progress, and sync across devices.
- **Elicitation Source:** Observations of students losing track of the reading position when switching devices.

### 1.1.5 Community & Engagement

- Ratings, reviews, discussion forums, and the ability to share recommendations.
- **Elicitation Source:** Survey revealed distrust in existing book sources, demonstrating the need for transparent peer reviews.

### 1.1.6 AI Features & Personalization

- Smart recommendations based on reading history, AI chatbot for queries, automated summaries, and visual content generation.
- **Elicitation Source:** Over 70% of survey responses highlighted AI features such as summaries, recommendations, and vocabulary help.

### 1.1.7 Payments & Subscription Management

- Secure payments, refunds, order history, and subscription control.
- **Elicitation Source:** Survey responses about frustration when purchasing wrong editions, indicating the need for a secure and transparent payment system.

### 1.1.8 Accessibility & Reading Modes

- Dark mode and customizable font sizes to reduce eye strain.
- Text-to-speech functionality to read books aloud for visually impaired users or multitaskers.
- **Elicitation Source:** Survey responses highlighting issues like eye strain, difficulty with small fonts, and requests for audio support.

### 1.1.9 Administration & Content Management

- Admin should be able to add, update, and delete books, manage reviews, monitor analytics, and track trends.
- **Elicitation Source:** Librarian/Author interview (manual catalog frustrations).