# Project Analysis

*UI/UX Redesign of an Offline Book App*

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# Contents of Project

Problem Statement

Project Objectives

Old Design & UX Issues

New Design & Improvements

# Problem Description

- Although the application provides offline access to reading content, the overall user experience does not fully support efficient and comfortable interaction. The current design does not adequately align with user needs, which can lead to confusion, reduced clarity, and unnecessary cognitive effort during use. As a result, users may find it difficult to maintain focus and continuity while reading.

- The existing interface and interaction patterns limit the effectiveness of the application as a reading tool, preventing users from having a smooth and engaging experience. These limitations highlight the need for a more user-centered design approach that better supports usability and interaction quality.

# Project Objectives

- The primary objective of this project is to redesign the application to enhance the overall user experience in accordance with Human-Computer Interaction principles. The project aims to create a clearer, more intuitive, and more consistent interface that better supports user interaction.

- Additionally, the redesign seeks to improve ease of use and reading comfort while maintaining the application's offline nature. The ultimate goal is to provide a user-centered reading experience that is efficient, engaging, and suitable for prolonged use.

# Main Page– Issues

## 01 Inconsistent Typography

Multiple font styles are used within the same screen.

## 02 Repetitive Visual Elements

Book covers and icons are visually identical across different novels.

## 03 Truncated Content

Book summaries are partially hidden and not fully displayed

## 04 Incorrect Progress Representation

The progress indicator is not updated per book and remains fixed to a single novel.

## 05 Missing Search Feature

No search functionality is provided for locating books

## 06 Unclear Reading Status

There is no distinction between completed, in-progress, and unread books.



...Novels and ß

**Emma**
A witty story about matchmaking and ...
100% ——————— Last read: Chapter 55

**Persuasion**
A tale of second chances and enduring...
100% ——————— Last read: Chapter 24

**Pride and Prejudice**
Classic romance highlighting pride, pr...
3% ————— Last read: Chapter 2

**Through the Looking-Glass**
Alice's fantastical journey in a mirror ...
Written by -: Lewis Carroll

**The Hunting of The Snark**
A whimsical nonsense poem filled with...
25% ——————— Last read: Chapter 1

**A Tangled Tale**
Clever mathematical tales wrapped in...
Emma
100% ——————— Last read: Chapter 55
Written by -: Lewis Carroll

# Main Page– UX Issues

| | Issue | UX Issues |
|---|---|---|
| *01* | Inconsistent Typography | Creates visual noise and lack of visual hierarchy. Users may perceive the application as unprofessional, and distinguishing between books requires extra effort as titles must be read individually. |
| *02* | Repetitive Visual Elements | Makes it harder to quickly identify and differentiate books |
| *03* | Truncated Content | Causes frustration. Users cannot access complete information and must take an extra step to open the book to read. |
| *04* | Incorrect Progress Representation | Violates system feedback principles. Users cannot track their real progress across multiple books, which can be confusing. |
| *05* | Missing Search Feature | Reduces findability. With a large number of books, locating a specific title becomes time-consuming and inefficient. |
| *06* | Unclear Reading Status | Users cannot quickly identify their reading progress, causing confusion and making it harder to choose what to read next. |

# Chapter List Page– Issues
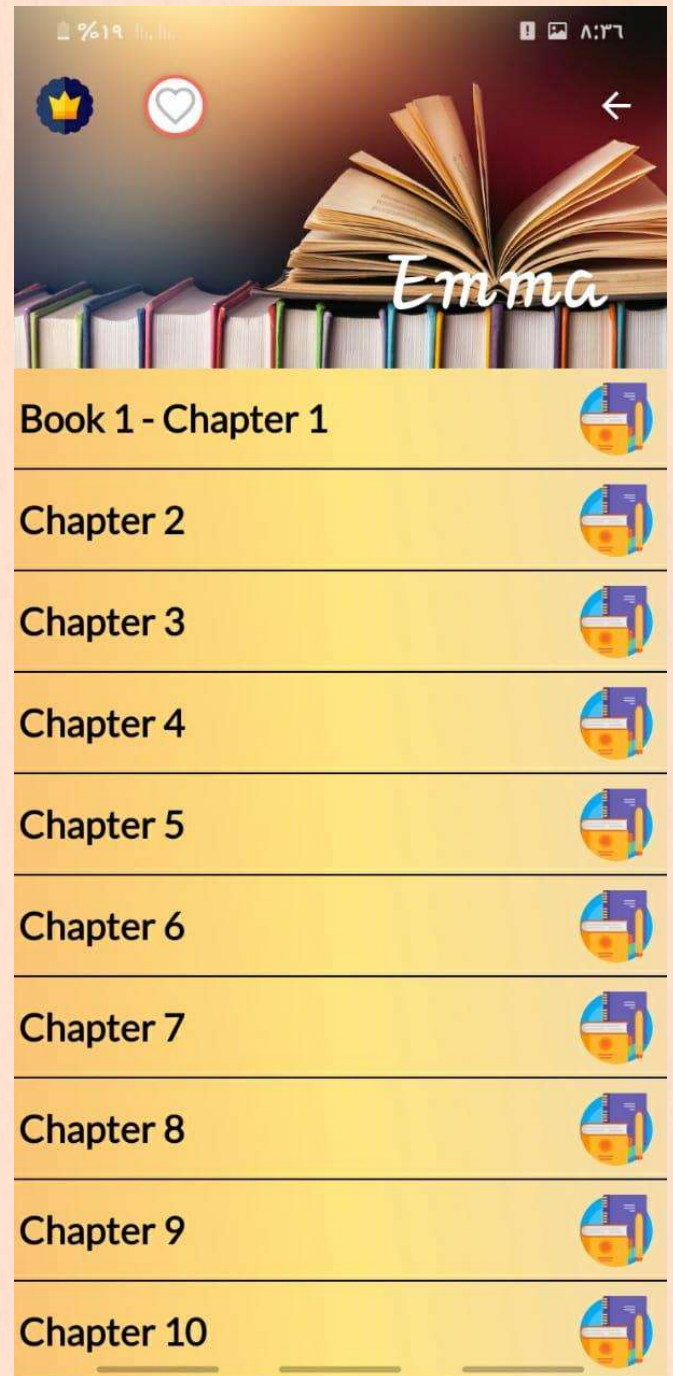
**01** **Outdated Visual Style**

The interface follows an old design pattern

**02** **No Chapter Progress Indicator**

The system does not highlight the last accessed chapter.

**03** **Redundant Imagery**

Repeated images are used without functional purpose

# Chapter List– UX Issues

| | Issue | UX Issues |
|---|---|---|
| 01 | Outdated Visual Style | Reduces engagement and makes the app feel less appealing |
| 02 | No Chapter Progress Indicator | Increases cognitive load. Users must remember their reading position manually, making navigation cumbersome. |
| 03 | Redundant Imagery | Reduces emotional appeal and perceived system quality. The visual style feels old and unengaging. |

# Reading Page– Issues

## 01

### Chapter Swipe Navigation

Horizontal swipe gestures are used to switch between full chapters.
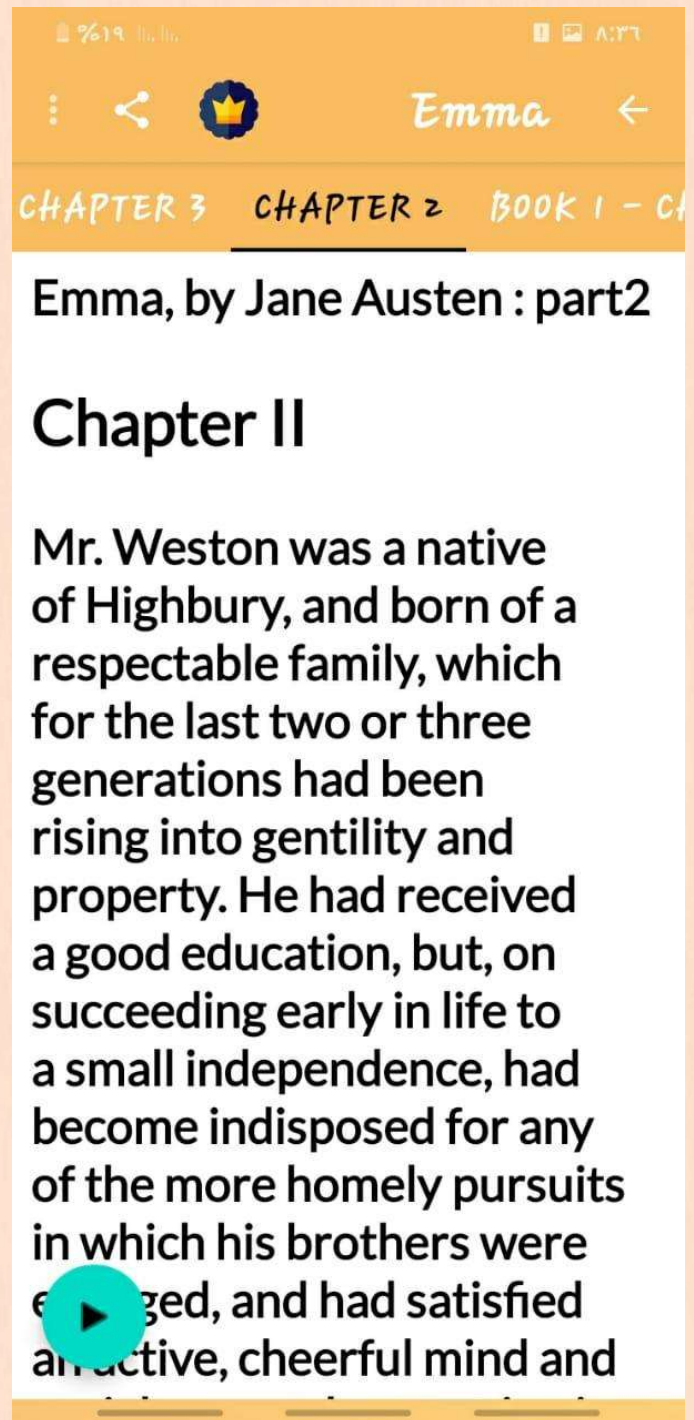
## 02

### No Text Adjustment Options

Font size and text settings cannot be modified

## 03   Low Visibility

The audio playback button is small and visually unobtrusive



Emma

CHAPTER 3   CHAPTER 2   BOOK 1 – CH

Emma, by Jane Austen : part2

## Chapter II

Mr. Weston was a native of Highbury, and born of a respectable family, which for the last two or three generations had been rising into gentility and property. He had received a good education, but, on succeeding early in life to a small independence, had become indisposed for any of the more homely pursuits in which his brothers were engaged, and had satisfied an active, cheerful mind and

# Reading Page– UX Issues

| | Issue | UX Issues |
|---|---|---|
| *01* | Chapter Swipe Navigation | Leads to errors and accidental actions. Users may unintentionally move to a different chapter while reading, breaking their flow. |
| *02* | No Text Adjustment Options | Reduces accessibility. The application does not accommodate individual differences in vision or reading preferences, limiting usability for some users. |
| *03* | Low Visibility | Makes the feature invisible. Users may not discover the audio functionality, despite its potential value. |

# Home Screen (Discover)

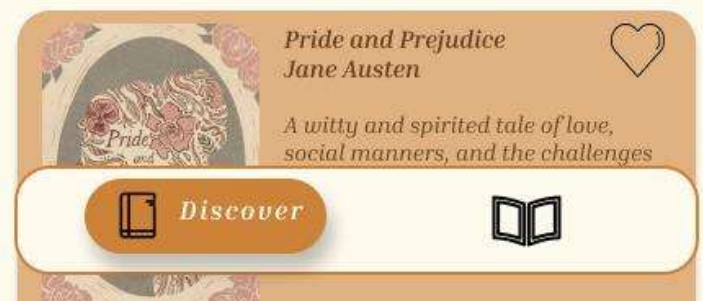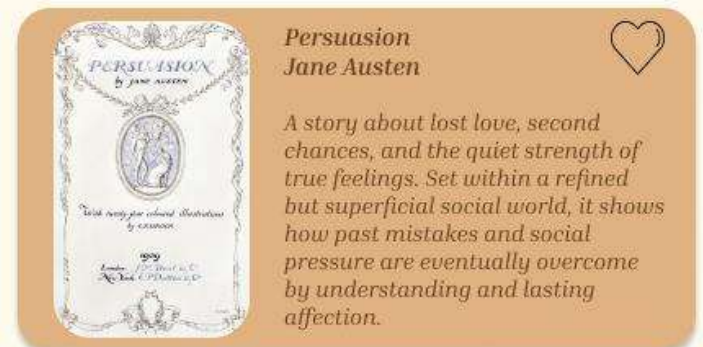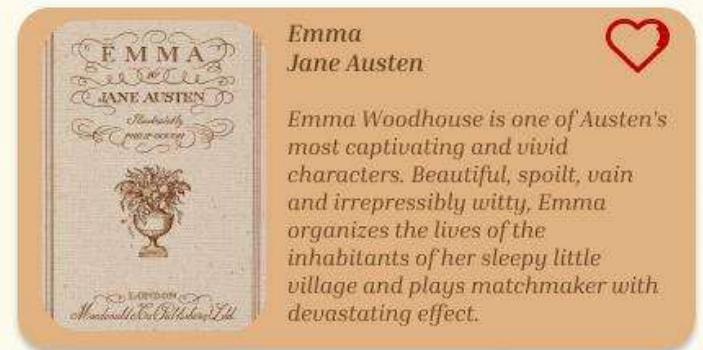## 💡 Changes

✓ Each book is now a separate card with a light shadow.
✓ Book description is visible next to the card.
✓ Bottom navigation bar in the Thumb Zone.
✓ Favorite (heart) button on each card

## ✏️ UX Impact

✓ **Visual Hierarchy & Clarity:** Cards make each book distinct and reduce visual noise.
✓ **Immediate Feedback:** Description gives the user quick info about the book..
✓ **Ease of Navigation (Usability):** Bottom bar allows one-handed navigation.
✓ **Micro-interactions**: Favorite button enables fast interaction.
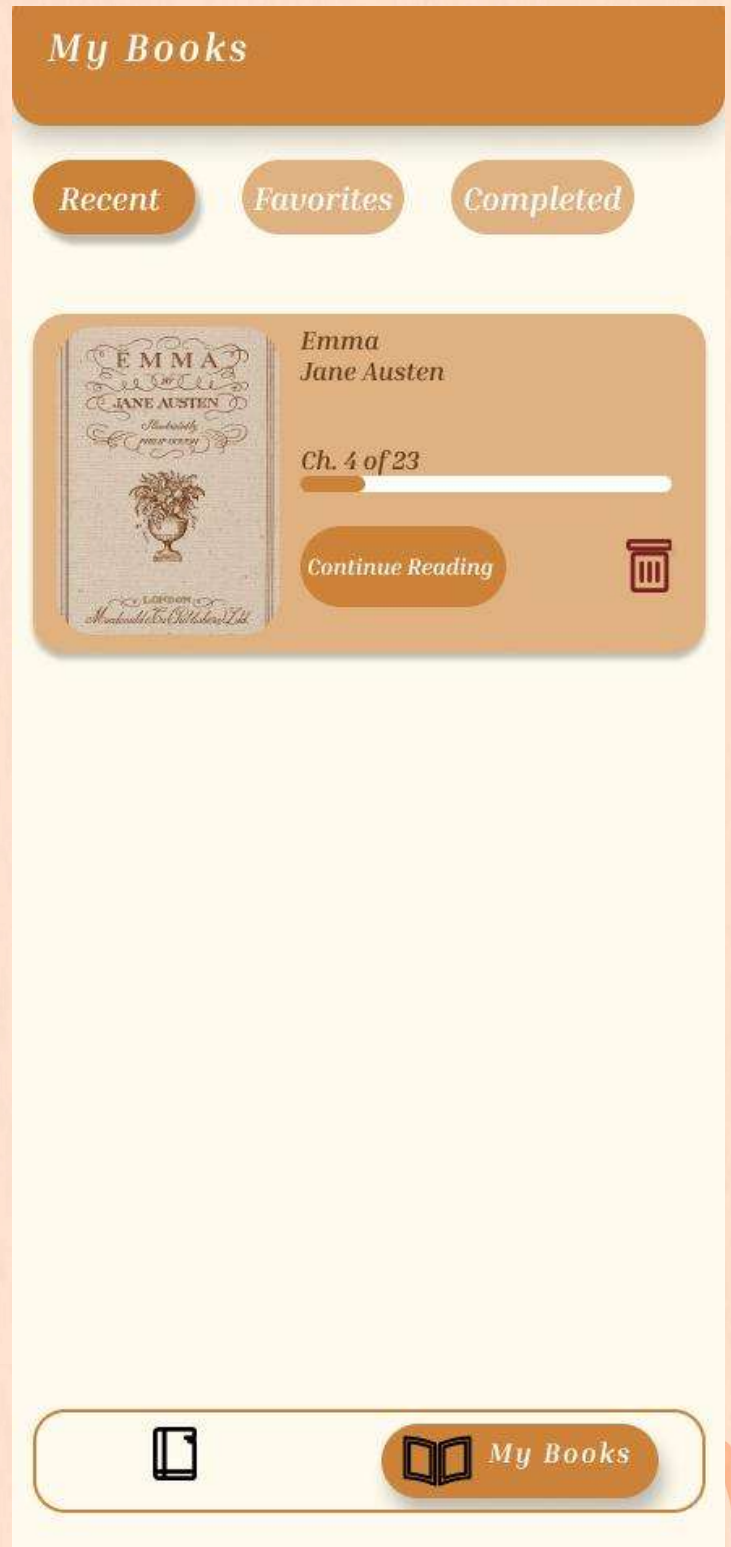
# My Books(new page)

## Changes

- ✓ Books divided into Recent, Favorites, Completed.
- ✓ Progress bar with current chapter.
- ✓ Buttons: Continue Reading and Delete.

## UX Impact

- ✓ **Personalization:** Users feel this is their personal space in the app.
- ✓ **Cognitive Load Reduction:** Division of books helps users remember which books they are reading.
- ✓ **User Control:** Continue and Delete buttons give full control over the library.
- ✓ **Memorability:** Users can easily resume reading without having to recall where they left off.

**My Books**

Recent   Favorites   Completed

Emma
Jane Austen

Ch. 4 of 23

Continue Reading

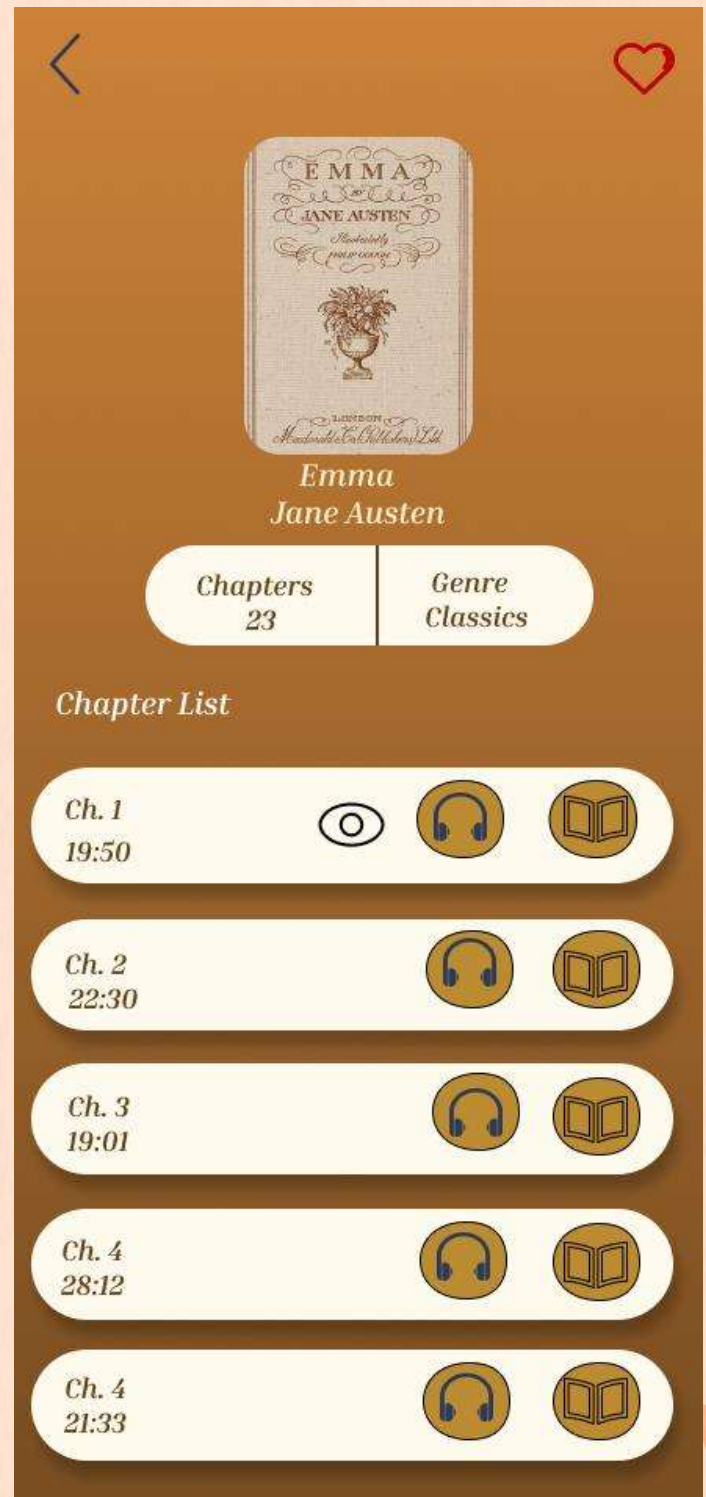My Books

# Chapter List

## 💡 Changes

- ✓ Icons: Read (book), Listen (headphones), Seen (eye).
- ✓ Each chapter shows estimated duration.

## ✏️ UX Impact

- ✓ **Multimodal Interaction:** Supports both reading and listening.
- ✓ **Cognitive Load Reduction:** Eye icon shows which chapters are completed.

- ✓ **Time Management:** Duration helps users plan their reading or listening.
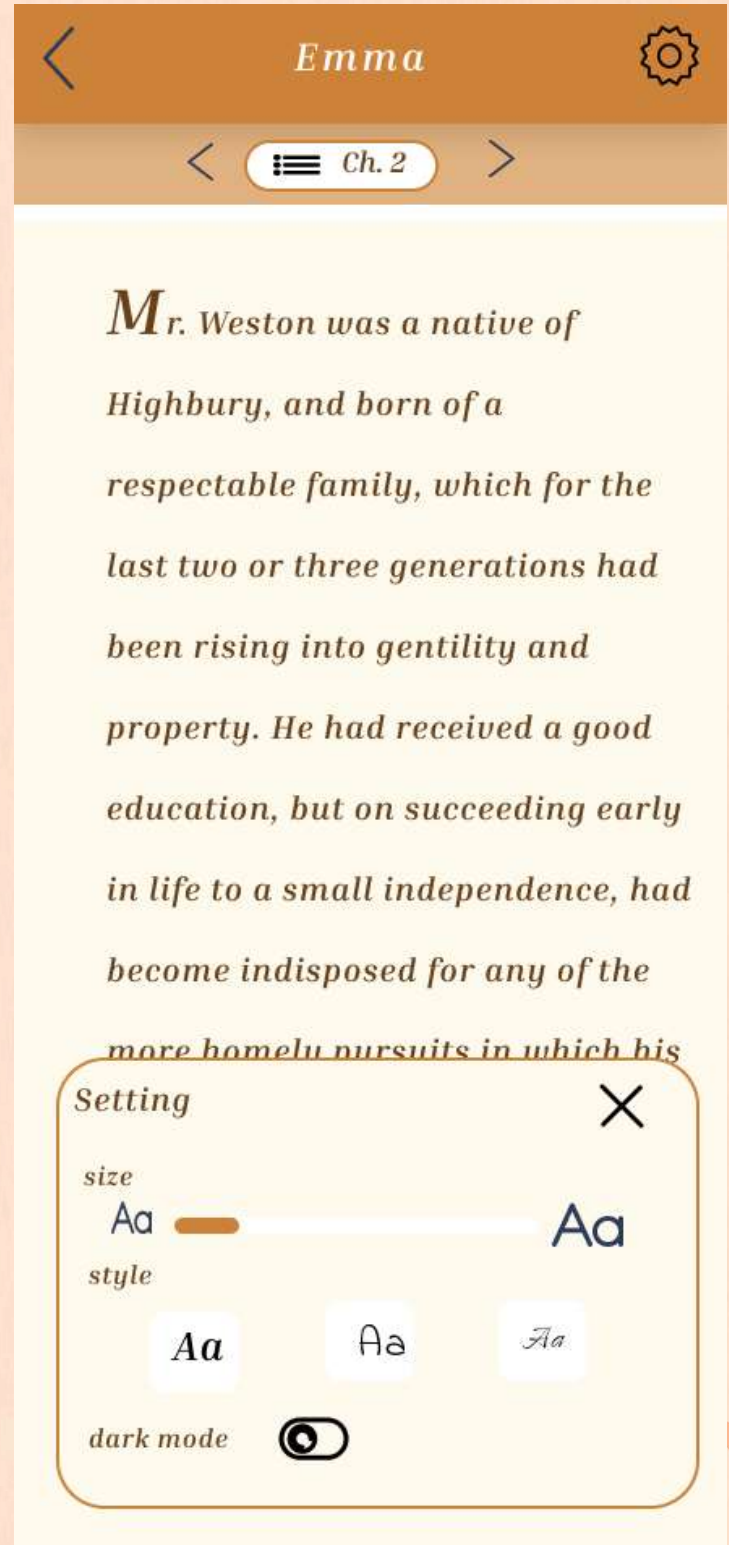
# Reading Interface

## Changes

- ✓ Text has margins away from edges.
- ✓ Settings pop-up for font size, font type, and night mode.
- ✓ Navigation via arrows and dropdown chapter list instead of swipe.
- ✓ Indicator shows how far the user has read in the chapter.

## UX Impact

- ✓ **Readability & Physical Comfort:** Margins reduce eye strain.
- ✓ **Customization (Accessibility):** Font and night mode improve accessibility.
- ✓ **Navigation Clarity:** Provides a clear sense of location inside the content, helping users navigate without confusion.
- ✓ **Logical Navigation:** Arrows and dropdown reduce errors and make navigation easier.

### Emma

< ☰ Ch. 2 >

**M**r. Weston was a native of Highbury, and born of a respectable family, which for the last two or three generations had been rising into gentility and property. He had received a good education, but on succeeding early in life to a small independence, had become indisposed for any of the more homely pursuits in which his

Setting ✕

size

Aa ━━━ Aa

style

Aa    Aa    Aa

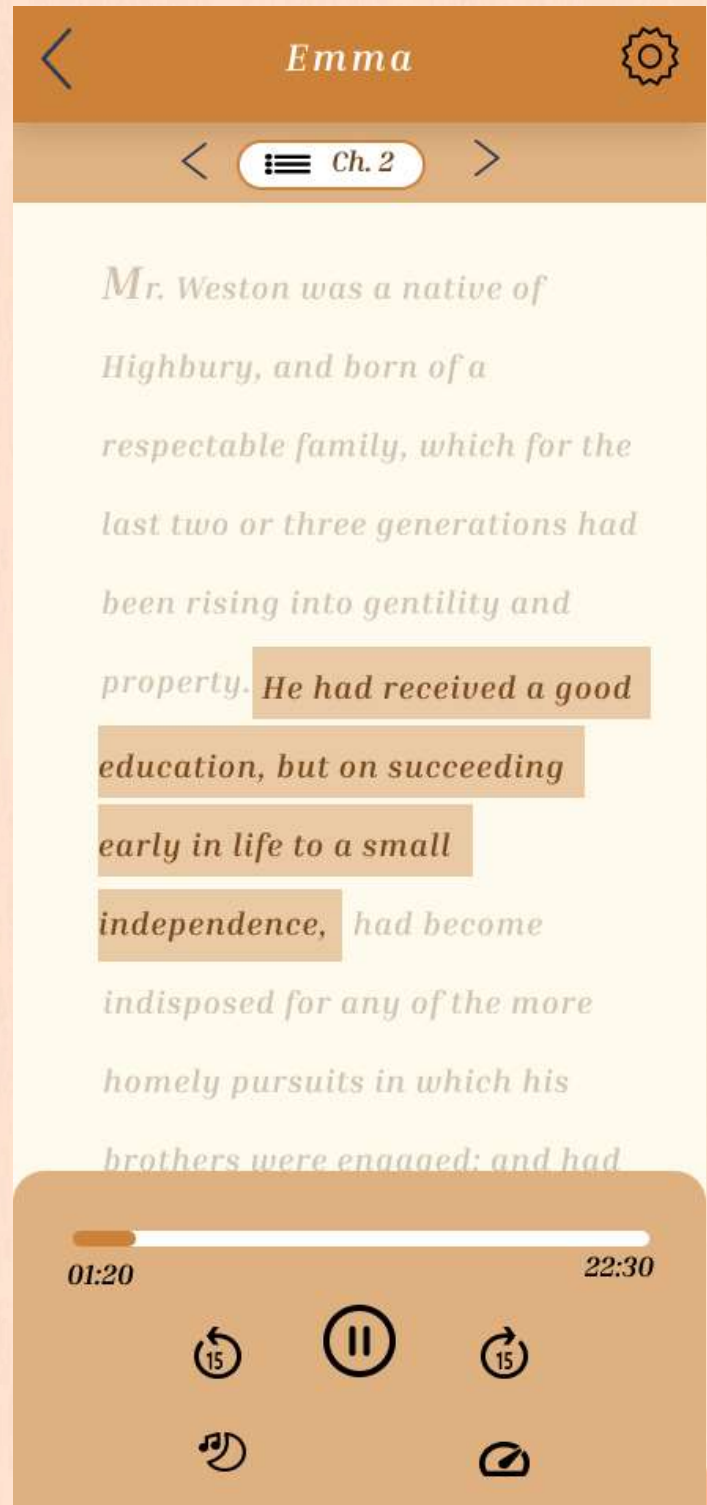dark mode ◉

# Audio Interface(new page)

## Changes

- ✓ Currently read text is highlighted.
- ✓ Controls: Sleep timer, speed control, forward/backward.
- ✓ Book title and chapter displayed clearly.

## UX Impact

- ✓ **Focus & Attention:** Highlighted text links visual and auditory senses.
- ✓ **User Control & Flexibility:** Audio controls allow users to adjust their experience.
- ✓ **User Orientation:** Title and chapter show the user's position in the app.

*Emma*

< ☰ Ch. 2 >

Mr. Weston was a native of Highbury, and born of a respectable family, which for the last two or three generations had been rising into gentility and property. He had received a good education, but on succeeding early in life to a small independence, had become indisposed for any of the more homely pursuits in which his brothers were engaged; and had

01:20     22:30

# Overall UX Improvements

- ✓ **Usability:** fo tnemecalp lacigoL .noitagivan ysae ‹stnemele

- ✓ **Aesthetic Appeal :**Modern design, readable fonts, calm colors.

- ✓ **Reduced Friction:** Fewer steps to get information, clear progress indicators..

- ✓ **Personalization & Control:** Users feel ownership of their library and reading experience.