Reading platform based on Bookmate



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Business Model

Reading platform based on Bookmate

Key Partners

- Independent publishers and authors.
- Audiobook creators to offer quality narration.
- Payment platforms and
- Advertising platforms to monetize the free version.



- Content Licensing & Management: Partnering with publishers to expand the book and audiobook catalog.
- Platform Development: Maintaining and improving the app and web platform for reading, downloading, and streaming.
- User Acquisition & Retention: Marketing, free trials, and engagement strategies to grow and keep users..
- Monetization & Subscriptions: Managing premium plans, payments, and ad-based revenue.
- Compliance & Moderation: adherence and moderating user-generated content.

- Extensive Catalog: A vast library of books and audiobooks, secured with copyright agreements. Data is managed using relational databases for transaction details and NoSQL for fast
- Platform Development: Built on a scalable, secure architecture that uses both relational and NoSQL databases to handle customer and transaction data, supported by robust servers and monitoring
- Content Recommendation: Uses advanced algorithms to offer personalized suggestions, with data stored in data warehouses
- Active Community: Encourages reader interaction through reviews and comments, with user-

- Unlimited Access: Provides unlimited access to a large library of digital books and audiobooks through a subscription, ensuring a diverse range of content backed by a robust technological infrastructure for
- experience. Share and Collaborate: Enables users to upload and share their own books and audiobooks, fostering a dynamic and collaborative community where each contribution enriches the literary collection.

a seamless, high-quality

· Personalized Platform: Offers personalized recommendations based on user interests, along with a review and comment system that helps users discover new books through community insights. The software serves as a supportive tool that enhances the user experience without being the final product, supported by reliable and efficient technology.

- Personalized Recommendations: Suggestions based on reading tags, ensuring a customized experience while maintaining strong data privacy and security
- Community Engagement: Users connect through reviews, comments, and forums, fostering interaction. Active moderation and customer support ensure a safe and engaging environment.
- · Free Premium Trial: A riskfree trial lets users explore premium features, encouraging conversions and long-term engagement.

- · Website & App: The primary platform for reading, streaming, and engaging with content.
- Social Media & Digital Marketing: Engaging users through targeted ads, posts, and interactive campaigns.
- Influencers & Literary Blogs: Partnering with book influencers and blogs to drive awareness and engagement.

Customer Segments



- Digital Readers & Audiobook Fans: Users who prefer digital and audio formats for convenience.
- Busy Professionals & Students: Those seeking continuous learning through audiobooks and ebooks
- · Subscription-Based Users: Consumers looking for an all-access model like Spotify/ Netflix for books
- Corporate Clients: Companies offering reading solutions for employee development
- · Independent Authors: Writers looking to publish and share their work with a broader audience.



- Licensing & Copyright Fees: Costs for securing content rights and maintaining legal compliance
- Platform Development & Maintenance: Investments in updates, scalability, security, and new features. • Marketing & User Acquisition: Expenses for ads, promotions, and user
- retention strategies. . Infrastructure & Servers: Costs for cloud hosting, data storage, and
- high-performance servers.

- · Premium subscription with access to exclusive content, offline downloads,
- · Sales of individual digital or audiobooks within the platform.
- Collaborations with publishers and authors to highlight sponsored content.
- · Advertising and promotion of books on the platform.



Functional Requirement

1. Audiobooks and reading module:

Code	Requirement
FR-1.1	The system must allow book and audiobook searching by title, author, or
	genre using a search engine with combinable filters.
FR-1.2	The system must offer an online reading viewer that loads the text without
	prior download and quick page turning.
FR-1.3	The system must enable pause, fast-forward, and rewind controls for
	streaming audiobook playback, ensuring seamless continuity.
FR-1.4	The system must allow downloading complete books and audiobooks for
	offline reading and listening, storing them locally with space management.
FR-1.5	The reading viewer should allow users to adjust the font size and background
	theme (light/dark, sepia, etc.) to improve the reading experience.

2. Reviews, favorites and comments:

Code	Requirement
FR-2.1	The system should allow users to rate books and audiobooks using a star
	system (1-5).
FR-2.2	The system should allow users to write reviews associated with each title and
	allow editing and deletion if necessary.
FR-2.3	The system must display the list of existing reviews for the user to see and
	decide whether to read or listen to a title.
FR-2.4	The system must allow titles to be marked as favorites and display a personal
	list of favorites accessible from the profile.

3. Community and profiles:

Code	Requirement
FR-3.1	The system must allow the creation and editing of a user profile with a photo,
	display name, and short description.
FR-3.2	The system must allow users to follow other users and view their public
	activity (reviews and lists).
FR-3.3	The system should display the favorites of followed users to facilitate
	discovery.
FR-3.4	The system must generate notifications when one user is followed by another.
FR-3.5	The system must maintain a list of followers and followed for each user and
	show follow/unfollow actions.

4. Books management and uploading:

Code	Requirement
FR-4.1	The system must allow profiles with the Administrator or Creator role to
	upload book and audiobook files with their metadata.
FR-4.2	The system must allow Administrators or Creators to edit metadata (cover,
	synopsis, author, tags) of any title they have uploaded.
FR-4.3	The system shall allow an Administrator to remove content that violates rules
	and record the action in an audit log.

5. Recommendations and discoveries:

Code	Requirement
FR-5.1	The system should generate personalized recommendations based on the user's reading history and ratings.
	user's reading instory and ratings.
FR-5.2	The system should suggest books read by friends (followed users) that the
	user has not yet read.
FR-5.3	The system should offer curated thematic collections (by the community or
	administrators) and navigable from a "Discover" section.

6. Monetization and subscriptions:

Code	Requirement
FR-6.1	The system must allow users to purchase a Premium plan with payment
	management and access control to exclusive content.
FR-6.2	For Premium users, the system must enable unrestricted downloading of
	books and audiobooks.
FR-6.3	For Premium users, the system must play audiobooks without ads or
	promotional interruptions.

User Stories

1. Reviews, favorites and comments

Title: Book search Priority: High

User Story: As a user, I want to search for books and audiobooks by their title, author or genre to find content of my interest.

Acceptance Criteria: The search function should return books and audiobooks that match the paraments sent by the user.

Title: Online reading Priority: High

User Story: As a user, I want to be able to read books online without needing to download them.

Acceptance Criteria: The site should load the content of the book the user selected.

Title: Audiobook streaming Priority: High

User Story: As a user, I want to be able to stream audiobooks without interruptions.

Acceptance Criteria: The site should allow audiobook streaming

Title: Book download Priority: Medium

User Story: As a user, I want to be able to download books or audiobooks to read or listen to offline.

Acceptance Criteria: The downloading function should return books or audiobooks files downloaded.

Title: Reading experience | Priority: Medium

User Story: As a user, I want to be able to adjust the font size and background to enhance my reading experience.

Acceptance Criteria: The site should display the personalization features set by the user.

2. Community and profiles

Title: Rating creation Priority: High

User Story: As a user, I want to be able to rate books and audiobooks with stars to share my opinion with the community.

Acceptance Criteria: The application should save and display the ratings made the user.

Title: Review creation Priority: High

User Story: As a user, I want to be able to write reviews to recommend (or not) a book to other readers.

Acceptance Criteria: The application should save reviews made by the user.

Title: Review reading Priority: High

User Story: As a user, I want to be able to read reviews from other readers before deciding if I want to read a book or not.

Acceptance Criteria: The application should display reviews made by other users to see.

Title: Favorite list Priority: High

User Story: As a user, I want to be able to save books and audiobooks on my favorites list so I can access them easily.

Acceptance Criteria: The application should let users create favorite lists and add books and audiobooks to it.

3. Books management and uploading

Title: Profile creation Priority: High

User Story: As a user, I want to be able to create a personal profile with my picture, name and a short description to personalize my account.

Acceptance Criteria: The application should receive the picture, name and short description, save it and show it to the user.

Title: Following Priority: Medium

User Story: As a user, I want to be able to follow other readers to see their recommendations and reading lists.

Acceptance Criteria: The application should add and save followers of any reader and show them to the users.

 User Story: As a user, I want to be able to see the favorite books and audiobooks of the users I follow to discover new titles.

Acceptance Criteria: The application should return the list of favorites of the users any other user follows.

Title: Following notification Priority: Medium

User Story: As a user, I want to receive notifications when someone follows me.

Acceptance Criteria: The application should notify any user when another user follows them.

Title: Follow users Priority: Medium

User Story: As a user, I want to be able to follow and be followed by other users to connect with other readers.

Acceptance Criteria: The application should update the list of followers and following of the users.

4. Recommendations and discoveries

Title: Book uploading Priority: High

User Story: As an administrator or creator, I want to be able to upload books and audiobooks to share with the community.

Acceptance Criteria: Only users with administrator or creator roles should be able to upload content on the site.

Title: Book details editing Priority: High

User Story: As an administrator or creator, I want to be able to edit the details of the books (cover, synopsis, author and tags).

Acceptance Criteria: Only users with administrator or creator roles should be able to edit information related to books and audiobooks.

Title: Content deletion Priority: High

User Story: As an administrator, I want to be able to delete content that infringes the norms to assure the quality of the platform.

Acceptance Criteria: Only users with administrator or creator roles should be able to review and delete content.

5. Monetization and subscriptions

Title: Recommendations based on own readings Priority: Medium

User Story: As a user, I want to receive recommendations of books and audiobooks based on my readings and reviews.

Acceptance Criteria: The application should show recommendations based on the interests of the user.

Title: Recommendations based on friends readings

Priority: Medium

User Story: As a user, I want the platform to suggest new books based on what my friends are reading.

Acceptance Criteria: The application should show recommendations based on the interests of the user's following list.

Title: Exclusive content for

Priority: High

premium users

User Story: As a premium user, I want to be able to access a premium plan to unlock exclusive content and advanced functionalities.

Acceptance Criteria: The system should set privileges to users registered as premium.

Title: Downloads for premium users

Priority: High

User Story: As a premium user, I want to be able to download books without restrictions to read them offline.

Acceptance Criteria: The application should display the option for premium users to download books and audiobooks.

Title: Advertising for premium

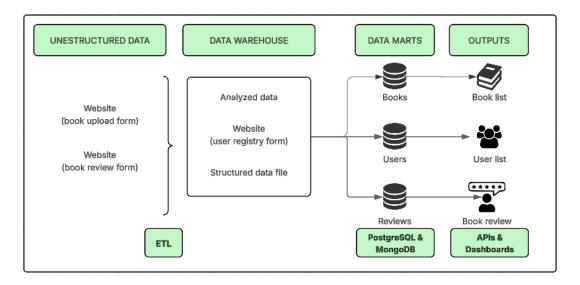
Priority: High

users

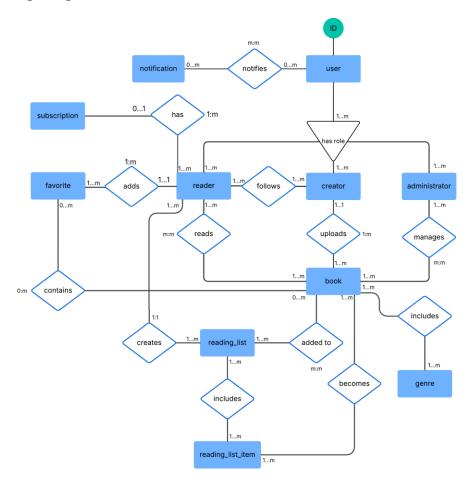
User Story: As a premium user, I want to be able to enjoy audiobooks without advertising for a better experience.

Acceptance Criteria: The application should not display any type of advertising only when the user reading is a premium one.

Initial Database Architecture

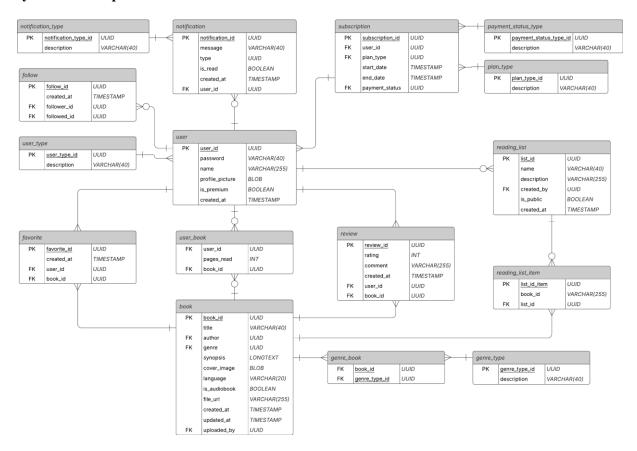


Entity Relationship Diagram



In the following link you can see the Entity Relationship Diagram: *E-R_Diagram*

Entity Relationship Mode



In the following link you can see the Entity Relationship Model: *E-R Model*

Main entities & relationships

Entity	Description	Key relationship
user	Represents a registered user (reader, creator & administrator).	Has many reviews, favorites, follows, reading_lists, subscriptions, and notifications.
book	Represents a book with its title, author, cover image, etc.	Has many reviews, is in many favorites, and appears in many reading list items.
subscription	User subscription information such as plan, dates and payment status.	Belongs to one user Refers to one plan type Has one payment status type
review	Comments and scores made by any user to a book.	Belongs to User. Belongs to Book.
favorite	Relationship between users and books marked as favorites.	Belongs to User. Belongs to Book.
follow	Allows one user to follow another.	One user follows another user.
notification	Represents a notification resulting from any interaction one user has with another user.	Belongs to one user. Refers to a notification_type.

reading_list	Represents a reading list made and	Created by one user
	personalized by any user.	Has many reading list item entries