Open Library System

YOUR SURE SOURCE TO FREE BOOKS

TEAM ALGORITHM

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Introduction(Overview)

1. OUR SYSTEM WILL PROVIDE PLATFORM FOR PEOPLE TO READ BOOKS FOR FREE
2. OUR SYSTEM IS OPEN TO WIDE RANGE OF BOOKS FOR READERS
3. REVIEWS OF BOOK READ BY READER
4. PROVIDE READER LIST WITH CAPACITY TO HOLD UP TO 10 OR MORE BOOKS
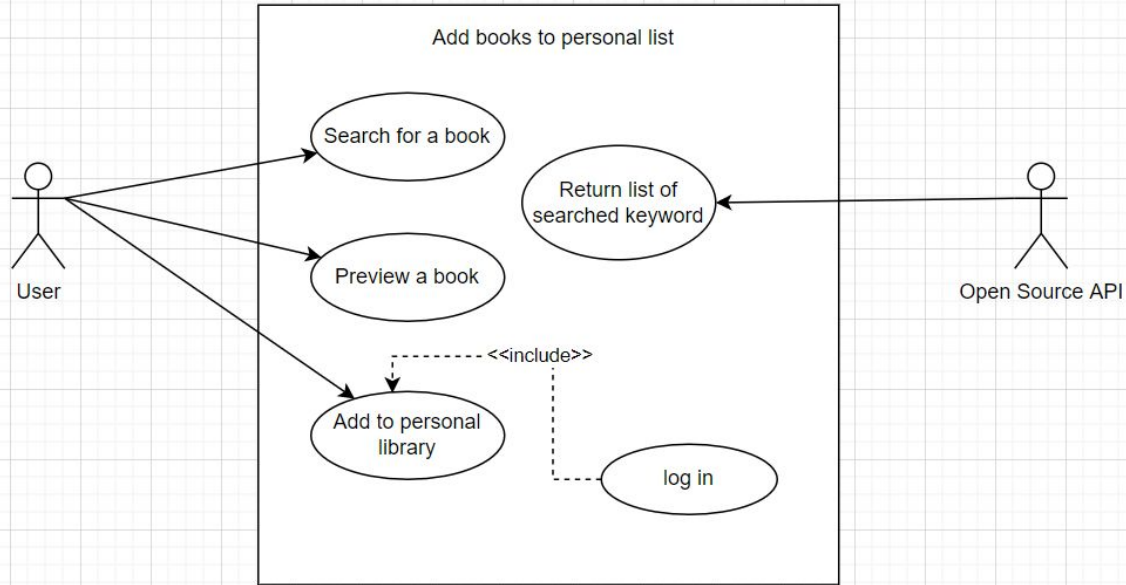5. ADVERT COLUMN FOR SPONSORS

Use Case Diagram

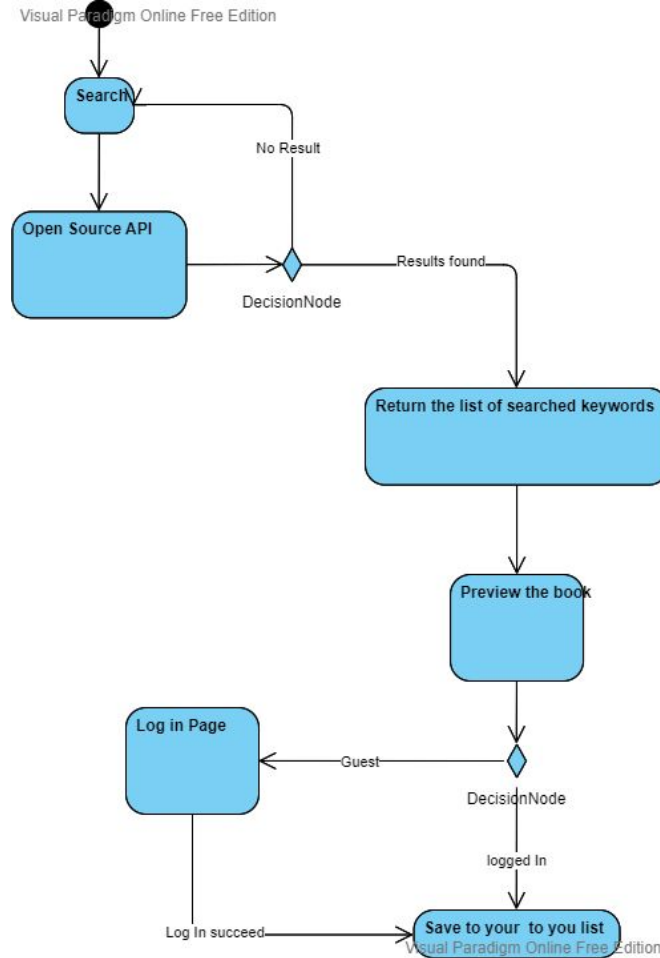Figure 1: Use case diagram for Adding books to a personal Library

Activity Diagram

Figure 2: Activity Diagram for Adding books to personal library

Use Case Description

Use Case Name: Add to Personal List		Importance Level: High	
Primary Actor: User, API			
Stakeholders, and Interest			
User	want to search for a book and add to personal list		
API	intends to return the result		
Brief Description	The use case describes how the books are added to the user's personal list		
Trigger	User finds the book and wants to add to his own list		
Type	External		
Relationship			
Associations	User, API		
Include	Login		
Extend			
Generalization			
Normal Flow of Events			
1. The user logins into their account			
2. The user search for the books			
3. The API will return the result			
4. Users will add to their list			

Functional Requirements

- User account Management
  - The system shall have a login page for users
  - The user shall be able to create an account
  - User shall create an account by clicking create button
  - User shall retrieve the account by clicking retrieve the button
- Search Function
  - The web application shall allow the user to search for the book
  - User shall type in the search bar to search
  - The system shall be integrated with an open source API
- Search Handling
  - User shall get a list of books if results found
  - The web application shall let users read books online
- Personal List
  - The user shall be able to create a personal list of books
  - The user shall be able to give reviews and ratings when logged in
  - Only the admin and the user who gives a comment or rating shall have the privilege of removing or editing the comments.

Non-Functional Requirements

- Security Handling
  - The Password will be saved by MD5 standard
  - Email or text message should be sent to user no later than 30 minutes after user requested retrieve the password
  - The web application should have good security against SQL injection by using input validation and parameterized queries
- Web Performance
  - The page shall load within 20 seconds
  - The results of the book shall be within 20 seconds
  - The system shall be user-friendly and provide GUI
- Web Compatibility
  - The web application shall run on the latest version of Chrome and Morzilla
  - The systems shall be able to support an extended number of users.

GANTT Chart

https://docs.google.com/spreadsheets/d/1dbYh8cj1gO2gAZ7l_654PlGvM2tmzBltgaleeTtJurw/edit#gid=0

Demonstration

Demonstration

"I have always imagined paraside will be a kind of library"

Jorge Luis Borges

Search a book by Title
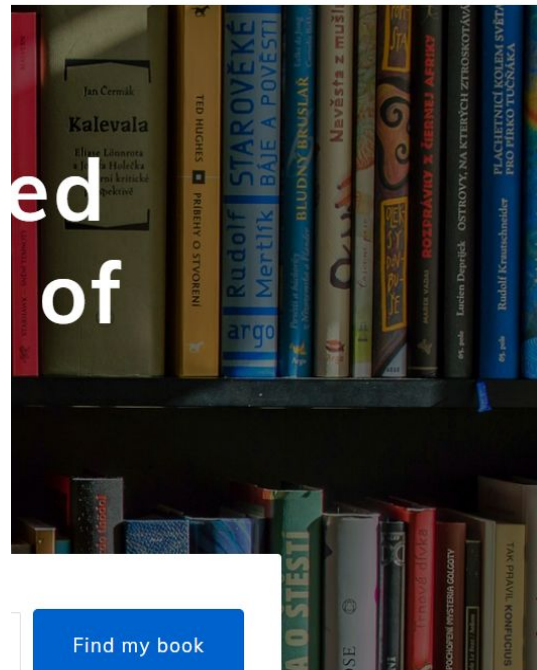
Find my book

Demonstration

Demonstration

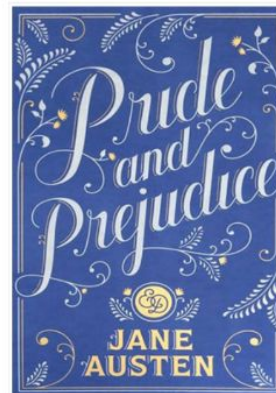## Pride and Prejudice

⊗ Author Jane Austen   ⊡ Genre Romance novel   🗓 Published Year 1813

| About the Book | Reviews |

Book Description

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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