

# Open Library System

*YOUR SURE SOURCE TO FREE BOOKS*



# TEAM ALGORITHM

## TEAM MEMBERS

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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 PERSONAL LIST.
5. ADVERT COLUMN FOR SPONSORS



# Activity Diagram

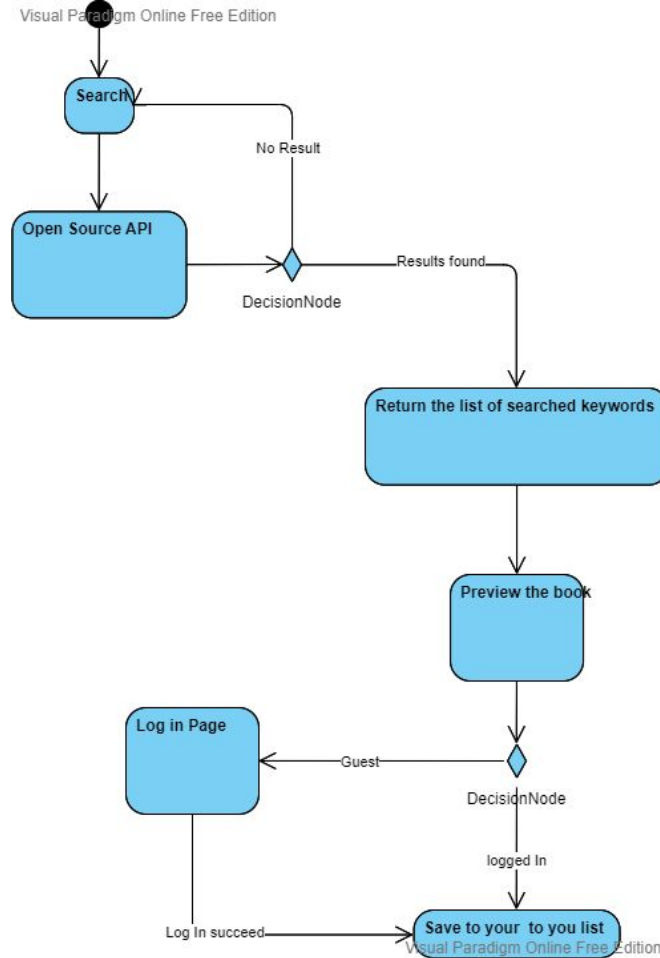
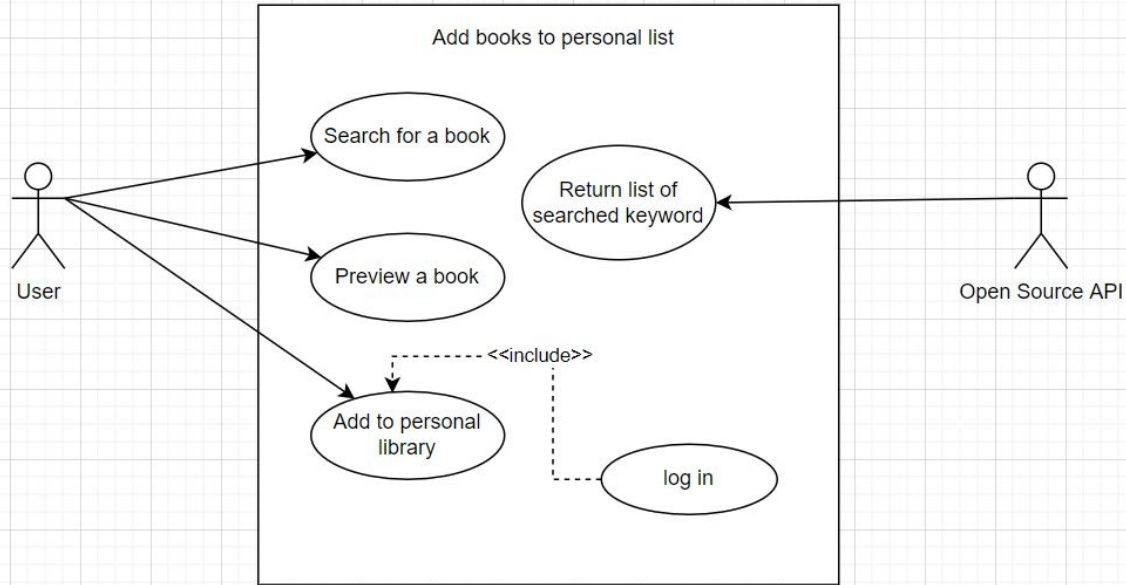


Figure 2: Activity Diagram for Adding books to personal library

# Use Case Diagram



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

# Use Case Description

*Chart 1: Use Case Description for Add to Personal List*

|  |  |  |  |
|--|--|--|--|
| <b>Use Case Name:</b> Add to Personal List |  | <b>Importance Level:</b> High  |  |
| <b>Primary Actor:</b> User, API            |  |  |  |
| <b>Stakeholders, and Interest</b>          |  |  |  |
| User                                       | want to search for a book and add to personal list |  |  |
| API  | intends to return the result                       |  |  |
| <b>Brief Description</b>                   |  | The use case describes how the books are added to the user's personal list |  |
| <b>Trigger</b>                             |  | User finds the book and wants to add to his own list                       |  |
| <b>Type</b>                                |  | External   |  |
| <b>Relationship</b>                        |  |  |  |
| <b>Associations</b>                        |  | User, API  |  |
| <b>Include</b>                             |  | Login  |  |
| <b>Extend</b>                              |  |  |  |
| <b>Generalization</b>                      |  |  |  |
| <b>Normal Flow of Events</b>               |  |  |  |
| 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            |  |  |  |

# Requirements

- User account Management
  - The system shall have a login page for users
  - User shall be able to create an account
  - User shall create an account by clicking create
  - User shall retrieve the account by clicking retrieve
- 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 will 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
  - User shall be able to create a personal list of books
  - User shall be able to give reviews and ratings when logged in



# Project Tracking



Gantt Chart:

[https://docs.google.com/spreadsheets/d/1dbYh8cj1gO2gAZ7l\\_654PlGvM2tmzBltgaleeTtJurw/edit#gid=0](https://docs.google.com/spreadsheets/d/1dbYh8cj1gO2gAZ7l_654PlGvM2tmzBltgaleeTtJurw/edit#gid=0)

Task Manager - Trello:

<https://trello.com/b/4t0s0Q3X/open-library>



## A top-down view of a wooden workbench cluttered with various hand tools and hardware. On the left, a large hammer with a dark metal head and a light-colored wooden handle stands vertically. Next to it is a screwdriver with a grey and orange ergonomic handle. In the center, there are two pairs of pliers: one with black handles and one with blue handles. To the right of the pliers are several hex keys (Allen keys) of different sizes, some lying flat and others standing upright. A pair of orange-handled side cutters or wire cutters is also visible. In the bottom right corner, the head of a black cordless drill is partially visible. Scattered around the tools are numerous screws, nuts, and washers, some in small piles and others individually placed. The wooden surface has a prominent grain pattern and a warm, brown tone.

## Front end tools

- HTML, CSS, JS
- JQuery
- Bootstrap
- Datatables

## Backend tools

- Grails and Groovy
- Hibernate

## Database

- SQL/Open source

**Note:** Use Open Source API for getting data

# Demonstration

[Login](#)[Sign up](#)

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

*Jorge Luis Borges*

[Find my book](#)

# Demonstration

## Login to your account

☐ Keep me logged in

[Forget Password?](#)

[Don't have an account? Sign up here](#)

Log in



# Demonstration



## Pride and Prejudice

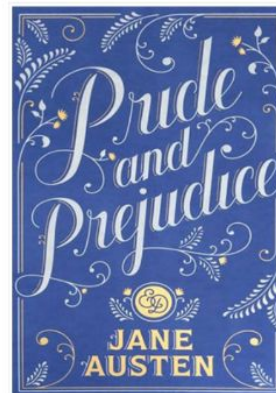
👤 Author Jane Austen    📁 Genre Romance novel    📅 Published Year 1813

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.



Preview book

Add to my list

Thank You!

