

Project Specification Document

Project Name: **OpenLibrary Share**

Project Introduction

Team Members:

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Project Overview:

OpenLibrary Share is a web-based platform where users can share digital books, PDFs, and e-books with one another. The platform serves as a modern online library in which registered users can upload, browse, and download files.

Purpose of the Application:

The goal of the application is to create an accessible, user-friendly platform that promotes the exchange of digital learning materials, research articles, and books.

Target Audience:

- Students and educators
- Self-learners
- Avid readers who prefer digital books
- People who want access to free or self-published content

Planned Features (as User Stories)

1. As a guest, I want to see the homepage so that I understand what the platform is about.
2. As a guest, I want to search for files or books to see if interesting content is available.
3. As a guest, I want to create a user account so that I can upload and download files.
4. As a registered user, I want to log in so that I can access my profile and uploads.
5. As a registered user, I want to upload a PDF so that I can share it with others.
6. As a registered user, I want to manage my own uploads (view, edit, delete).
7. As a registered user, I want to download files uploaded by other users.
8. As a registered user, I want to add descriptions and tags to my uploads so that others can find them more easily.
9. As a user, I want to use a search function with filters (e.g., by category or author) so that I can find relevant files faster.
10. As an admin, I want to manage all users and uploads so that I can remove inappropriate content.

Pages

Home Page:

Overview of the platform, with a search bar and links to log in or register.

Login Page:

Form for entering username/email and password to sign in.

Registration Page:

Form for creating a new account with basic user information (name, email, password).

Library / Explore Page:

Main page with a search bar, filter options, and a list of all available files (title, description, uploader, download link).

Upload Page:

Form for uploading files (only available to logged-in users) including title, description, tags, and file upload field.

My Profile / Dashboard:

Overview of the user's own uploads, with options to edit or delete them.

Admin Panel:

Accessible only to administrators. Provides an overview of all users and files, with management options (e.g., block, delete).

File Detail Page:

Displays information about a specific upload (title, description, author, download link).

File Upload Use**Upload Location:**

On the *Upload Page* within the user dashboard.

Supported File Types:

- PDF (.pdf)

How It Works:

- Only registered and logged-in users can upload files.
- During upload, users must provide a title, description, category, and tags.
- Files are stored on the server and made available through the library page.

Access Restrictions

User Role	Accessible Pages/Actions	Description
Guest	Home, Explore, Search, Registration, Login	Can browse files but cannot upload or download them.
Registered User	All public pages + Upload + Profile	Can upload, download and manage their own content.
Administrator	All user functions + Admin Panel	Can manage users and files, delete or block content.