Implementation Description

Site Map

- Home page: Welcome page with featured books

- Browse: View all available books with search/filter options

- Dashboard: User's personal area with their books, requests, etc.

- Discussions: Forum area for book discussions

- User profile: View/edit personal information

- Book detail: Detailed view of a specific book

- Admin panel: Management interface for administrators

Features

User Management

- User registration with email verification

- User authentication (login/logout)

- Password reset functionality

- User profile management

- Admin users with additional privileges

Book Management

- List books you own

- Browse books from other users

- Search books by title, category, or status

- Request books from other users

- View book details including cover image

- Track borrowed books and their status

Discussion Forums

- Create discussion threads

- Comment on threads

- View all discussions

Admin Features

- User management (view, promote, demote, delete)

- Book management (view, delete)

- Thread management (view, delete)

- Comment management (view, delete)

- Report management (view, resolve, dismiss)

- Content search across all content types (books, threads, comments)

Admin Dashboard

- Tab-based interface for easy navigation between management areas

- Advanced AJAX search functionality for users, books, and threads

- Comprehensive report filtering system with status indicators

- Robust error handling with user-friendly messages and retry options

- Server-side fallback rendering for critical sections when AJAX fails

- Real-time content overview showing recent activity across the platform

- Direct action buttons for content moderation tasks

- Mobile-responsive design for administration on any device

Content Reporting

- Report inappropriate books, threads, or comments

- Admin panel for reviewing and handling reports

- Status tracking for reports (pending, resolved, dismissed)

Technical Details

Database Structure

- Users table: stores user information

- Books table: stores book information

- Book Requests table: tracks book lending requests and status

- Threads table: stores discussion threads

- Comments table: stores comments on threads

- Reports table: stores user-submitted reports of content

Security Features

- Password hashing

- Input validation and sanitization

- Protection against SQL injection

- Session management

- Access control based on user roles

UI/UX

- Responsive design

- Intuitive navigation

- User-friendly error messages

- Success notifications

- Admin dashboard with tabs for different management areas

Admin Dashboard Implementation

- Implements XMLHttpRequest for robust AJAX operations with enhanced browser compatibility

- Comprehensive error handling with graceful degradation

- Server-side fallback rendering ensures content accessibility even when JavaScript fails

- Deep linking support via URL hash and parameters

- Real-time reporting system with filtering and status management

- Enhanced debugging using console logging and specialized diagnostic tools

- Custom CSS styling for admin-specific interface elements