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**SDEV 265**

**Shelvd Web Application – User Documentation**

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**INTRODUCTION**

SHELVD, is a web application and alternative solution for readers that like keeping track of they books they read. Like Letterboxd or Good Reads, the web application will allow users to store, rate, and write reviews of the books they read.

The purpose of this project is to create a library system of books for digital organization and review. Users are able to access a blog section that allows them to rate and provide reviews of the books they have read. Users’ input will be categorized in a way that allows them to see what they have read over the year as well as review their history from past years.

The Shelvd Web Application User Documentation document contains the following information:

* Information about what users will have access to in the book
* A comprehensive list of the requirements named in the requirements document and their purpose related to the app and user
* Brief descriptions and visuals of the web application in its current state from the frontend perspective.

**SHELVD WEB APPLICATION MATERIAL**

The Shelvd Web Application is a simple alternative solution, allowing users to store information about their reading materials. The section below covers information on the frontend design of the web application for Shelvd, which uses HTML and CSS for design function. In it’s current state the user interface is not complete and this section will include information about the backend development, which uses Python, at a later date.

HOMEPAGE

The homepage is the first page the user has access to when the navigate to the web application. The user will see a carousel of books featuring a variety of genres that they can click on that takes them to a page with information about the book.

A screenshot of a book

Description automatically generated

BLOG & REVIEW INFORMATION

The blog/review section is a page that the user can navigate to in order to access old blogs or add new blogs and reviews. This section will also allow the user to add their rating based on a scale of one to five as well as provide general information about the book such as a title and brief description.

A screenshot of a reading list

Description automatically generated

NAVIGATION MENU & USER ACCESS

Users will have access to two menus, one that allows them to access their favorites and search the site as well a button to login for access.. The other menu will allow them to access their profile page, the homepage as well as their blog/reviews page.

A screenshot of a login screen

Description automatically generated

PROFILE PAGE & SETTINGS

In the user profile settings they will have access to a page of information that is solely about them and other account information such as their first and last name, location, type of books and genres they like as well as other information that reflects general profile information.

**A screenshot of a login

Description automatically generated**

**DETAILS**

The Shelvd web application implemented several of the requirements determined for the success of the project. A comprehensive list and summary of each requirement is listed below. In addition, during the design process, it was determined that additional requirements were necessary to ensure that the site was user friendly and incorporated access for users that would allow them to interact with the application in a secure and entertaining manner.

PYTHON & FUNCTION SYSTEM USING PYTHON

For backend development the Shelvd web application will use Python for a fully functional system that allow for users to interact with the user interface and design. Users will have access to a database of books in a variety of genres that will allow them to select books to review, add books to a “my list”, and rate the books they have read. In addition, users will be able to blog about their books in the application.

ORGANIZATION OF GENRES

Shelvd will allow users to access books based on a variety of genres. Some of the genres include historical fiction, non-fiction, fantasy, sci-fi, comedy, and a host of other genres. When users access the database they are able to input or categorize the books they have read based on the genres they select.

DEBUGGING & TESTING

Once the frontend and backend are complete for the Shelvd Web Application, the developers will debug and test the application to ensure that it works properly. Developers will simply test to see if the application is functional and allows a user to navigate through the pages as well as input information specifically for the blog section of the web application.

SECTION FOR REVIEW

Shelvd has incorporated a section that allows users to provide reviews for the books they have read. The section will be called “blog” and will allow them to add information such as the book title, a short description, and then a space for them to add their review of the book.

SECTION FOR RATINGS

The Shelvd web application provides a section for short ratings if users do not want to provide an in This section is incorporated with the book review section. Users will be able to rate the books they have read on a scale of one to five, with one being the lowest score, and five being the highest score in terms of likeability.

DATA LIBRARY FOR BOOKS

The Shelvd web application will allow users to access a database of books to add to their “my list” or provide ratings for. The database will be based on select genres and then users can organize their books based on that genre. Starting small, the application will offer a select amount of genres as well as books that the user will have access to implement. As the application grows the number of genres would increase as well as the database of books the user has access to.

GRAPHICAL DESIGN

Shelvd implemented several graphic design tools as models to develop a user interface that is friendly and focuses on users needs. We chose a light colored and sleek design that matches the tone most users have when reading.

VISUAL STUDIO CODE IDE AND SUBLIME TEXT

Visual Studio Code was the IDE chosen for the design portion of this project. HTML and CSS documents were created that corresponded with the various pages of the web application such as the Homepage and Profile Page.

Sublime text was the IDE chosen for the backend development and database implementation for the Shelvd web application. Shelvd uses Python as it’s programming language and the development allows for the library of books based on genres to be stored and to also allow access for users.

**SUMMARY**

The Shelvd web application will allow users to keep track of the books they are reading or plan to read. For a more in-depth perspective, users can categorize their books based on the genre, search the database for books in a variety of genres, as well as review their profile information.

Users will also be able to use the navigation menu to access many tabs that are related to their account. From the login feature or create an account feature users can gain access to their information that will be stored for them.

The blog feature will allow users to communicate and share with other users of the platform, their review of the book or any other blog related information they would like to share. Web applications such as GoodReads have a community feature that allow readers to connect with others, but for our site we focused on the users engagement with the book. A rating system is provided for users to decide on a one to five scale how much they enjoyed or disliked the book.

The Shelvd web application serves as a standard application that allows users to interact with their content in a way that is specific and friendly to them. Shelvd’s design is heavily leans into a database application for users.