

# PA: Product and Presentation

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## A9: Product

The purpose of this project was to create a web application for an online shop. We chose to develop a bookshop and named it Porto's Bookshelf.

Porto's Bookshelf is built using HTML, JavaScript, AJAX, and Tailwind CSS, with Laravel serving as the backend framework. The website is designed to be intuitive and user-friendly, featuring an adaptive and responsive layout for seamless navigation across devices.

The homepage displays a catalog of all available books, alongside a category filter to help users quickly find specific types of books. Each book has its own detailed product page that includes its description and a review section. This review section allows users to leave feedback on books they have purchased and read reviews from others.

If a book is out of stock, users can add it to their wishlist and will be notified when it becomes available for purchase. Additionally, the user profile page provides options for managing personal details, updating payment information, and reviewing past purchases.

The website accommodates three types of users:

Administrators, who oversee the platform and manage content. Authenticated users, who can make purchases, leave reviews, and manage their profiles. Unauthenticated users, who can browse the catalog but must register to unlock full functionality. Porto's Bookshelf delivers a streamlined shopping experience, ensuring accessibility, functionality, and simplicity for all users.

### 1. Installation

To run the product locally, either be on FEUP, or use a VPN connection to it, and run the following command:

```
docker run -d --name lbaw2462 -p 8001:80 gitlab.up.pt:5050/lbaw/lbaw2425/lbaw2462
```

```
composer require pusher/pusher-php-server
```

The final release source code can be found [here](#), on this repository.

### 2. Usage

#### 2.1. Administration Credentials

Username	Password
admin@admin.com	admin123

#### 2.2. User Credentials

Type	Email	Password
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Type	Email	Password
Normal User Account	12345678@gmail.com	12345678
Banned Account	aa@aa.com	aaaaaaaa

### 2.3. Other necessary credentials

#### MailTrap

email: lbaw2462@gmail.com

password: R9>>R7!!

#### Pusher

BROADCAST\_DRIVER=pusher

PUSHER\_APP\_ID=1915052

PUSHER\_APP\_KEY=8c7e7387cf1c4cff6b22

PUSHER\_APP\_SECRET=967d59a114e773adccd3

PUSHER\_APP\_CLUSTER=eu

## 3. Application Help



We developed a FAQ page, so users of the website have some basic help.

## 4. Input Validation

Input data is validated throughout our project, such as during registration, login, profile editing, creating and editing a product etc. Below is an example of this type of validation in action:

```
$request->validate([
    'username' => 'required|string|max:20|unique:users',
    'email' => 'required|string|email|max:255|unique:users',
    'password' => 'required|string|min:8|confirmed',
    'fullname' => 'nullable|string|max:255',
]);
```

## 5. Check Accessibility and Usability

Accessibility results: 13/18

Usability result: 23/28

## 6. HTML & CSS Validation

HTML:

- [Main page](#)
- [Profile page](#)

7. Revisions to the Project

Several significant changes have been made since the previous submissions:

- **Triggers:** We revised and corrected some database triggers that contained errors and were not functioning properly.
- **Database Columns:** Certain column names in the database were updated to resolve issues arising from case sensitivity, improving the consistency and reliability of queries.
- **Front-End Upgrade:** The front-end of the web application underwent a major overhaul, transitioning from plain CSS to Tailwind CSS with the DaisyUI plugin, resulting in a more modern, cohesive, and responsive design.

Additionally, adjustments were made to the user stories assignments. Some team members were reassigned to specific user stories based on their preferences and expertise, ensuring smoother and more efficient implementation.

8. Implementation Details

8.1. Libraries Used

On our project we used the following libraries and frameworks:

- **Tailwind CSS:** An open-source framework for developing the frontend of projects using HTML and CSS. It provides utility-first classes for rapid UI development.
- **DaisyUI:** An open-source plugin for Tailwind CSS that offers a library of pre-built, customizable components to enhance development efficiency.
- **Laravel:** A PHP framework for web artisans, designed to simplify backend development with elegant syntax and robust features.

8.2 User Stories

This subsection should include all high and medium priority user stories, sorted by order of implementation. Implementation should be sequential according to the order identified below.

If there are new user stories, also include them in this table. The owner of the user story should have the name in **bold**. This table should be updated when a user story is completed and another one started.

US Identifier	Name	Module	Priority	Team Members	State
US08	FAQ Page	Module 03	Medium	<b>Félix Miranda</b>	100%
US09	Contacts Page	Module 03	Medium	<b>Félix Miranda</b>	100%
US10	About Page	Module 03	Medium	<b>Félix Miranda</b>	100%
US11	Sign in	Module 01	High	<b>Félix Miranda</b>	100%
US12	Sign up	Module 01	High	<b>Félix Miranda</b>	100%

US Identifier	Name	Module	Priority	Team Members	State
US15	Log out	Module 01	High	Félix Miranda	100%
US17	Checkout	Module 04	High	Félix Miranda	100%
US03	Add Product to Shopping Cart	Module 05	High	João Afonso Santos	100%
US04	Manage Shopping Cart	Module 05	High	João Afonso Santos	100%
US28	Receive Notifications	Module 02	Medium	João Afonso Santos	100%
US35	Manage Order Status	Module 03	Medium	João Afonso Santos	100%
US36	Ban Users	Module 03	Medium	João Afonso Santos	100%
US05	Search Products	Module 04	High	José Ferreira	80%
US06	Browse Product Categories	Module 04	Medium	José Ferreira	100%
US16	View Purchase History	Module 01	High	José Ferreira	100%
US18	View and Edit Profile	Module 01	High	José Ferreira	70%
US19	Track and Cancel Order	Module 01	Medium	José Ferreira	100%
US20	Add Product to Wishlist	Module 01	Medium	José Ferreira	100%
US21	Manage Wishlist	Module 01	Medium	José Ferreira	100%
US33	Manage Product Categories	Module 03	Medium	José Ferreira	100%
US01	View Products List	Module 04	High	António Ferreira	100%
US02	View Product Details	Module 04	High	António Ferreira	100%
US27	Remove Review	Module 03	Medium	António Ferreira	100%
US30	Add Product	Module 03	Medium	António Ferreira	100%
US31	Manage Product Information	Module 03	Medium	António Ferreira	100%
US32	Manage Product Stock	Module 03	Medium	António Ferreira	100%
US07	View Product Reviews	Module 04	Medium	António Ferreira	100%
US22	Add and Edit Reviews	Module 04	Medium	António Ferreira	100%

The user stories with low priority were not implemented.

## A10: Presentation

### 1. Product presentation

Porto's Bookshelf is a collaborative web platform designed to connect book enthusiasts with a diverse library of titles while offering a seamless browsing and purchasing experience. Combining the charm of traditional bookstores with the convenience of online retail, the platform allows users to explore books, discover new authors, and engage with fellow readers through detailed reviews and ratings. Its intuitive search engine

empowers users to find books by author, genre, or rating, ensuring a personalized and engaging browsing experience.

The platform serves three distinct user types— Users, Authenticated Users, and Administrators—each with tailored features. Users can browse the catalog, view detailed book information, and manage a shopping cart, while Authenticated Users gain access to advanced functionalities like purchase history, wishlists, and notifications for price changes or order updates. Administrators maintain full control over product, order and user management, including adding books, moderating reviews, and ensuring a smooth experience for all users. With its focus on accessibility, personalization, and community, Porto's Bookshelf is a vibrant hub for book lovers.

## 2. Video presentation

Screenshot of the video plus the link to the lbawYYgg.mp4 file.

- Upload the lbawYYgg.mp4 file to Moodle.
- The video must not exceed 2 minutes.

 [Watch Video](#)

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## Revision history

Changes made to the first submission:

1. Item 1
2. ..

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GROUP2462, 22/12/2024

- António Ferreira, up202108834@up.pt
- João Afonso Santos, up202108805@up.pt
- José Ferreira, up202108836@up.pt
- Felix Miranda, up202401479@up.pt