

PA: Product and Presentation

With this project, our group intends on building a web application that allows users to publish, read, like, comment and interact with news articles. This service can be used by sports fans to connect with each other on the latest news and topics in the world of sports.

A9: Product

This artifact is the result of the implementation of the system designed in the earlier stages, using PHP and the Laravel Framework for producing dynamic web pages, and PostgreSQL as a database management system.

It includes instructions for installation and use, as well as access credentials for admin, moderator and authenticated user.

1. Installation

URL to the release with the final version of the source code: [Git Final Code](#)

Commands:

Terminal 1:

```
composer install  
docker-compose up
```

Terminal 2:

```
php artisan db:seed  
php artisan serve
```

2. Usage

Product URL: <http://lbaw2171.lbaw.fe.up.pt>

2.1. Administration Credentials

Email	Password
cchaudretd@va.gov	fpaClk7bnz

2.2. User Credentials

Type	Email	Password
Authenticated User	jdanslowj@miitbeian.gov.cn	sS4wNqu11hs
Moderator	gharkess0@hc360.com	YRGC95

3. Application Help

To overcome situations that may be more complicated for users, we have decided to build Sportium in a way that it is similar to other large similar apps, most of our users being already familiar with the layout. In the case when more help is needed or to know more about the app before signing up, users can navigate to the F.A.Q. page from the navigation bar and get useful information



About Services FAQ Contact

CAN YOU SEARCH FOR POSTS?

A search function is available that allows to search for posts.

WHAT DO WE DO ABOUT REPOSTS?

Reposts will be removed upon their discovery.

HOW CAN I FIND POSTS ABOUT A SPECIFIC SPORT?

Tags are usefull as they indicate the sport the post is talking about.

4. Input Validation

Input validation Is implemented to ensure only correctly formatted data enters the information system, to prevent malformed data from remaining in the database and to trigger the various downstream components.

Input validation implemented inside Sportium are within the login and sign up features. These being the only areas where users can input data at the current state of the application.

```
return Validator::make($data, [  
    'name' => 'required|string|max:255',
```

```
'email' =>
'required|string|email|max:255|unique:authenticated_users',
    'password' => 'required|string|min:6|confirmed',
]);
```

5. Check Accessibility and Usability

Usability checklist: [Usability](#)

Accessibility checklist: [Accessibility](#)

6. HTML & CSS Validation

The HTML and CSS validation was done using the following tools:

- HTML: <https://validator.w3.org/nu/>
- CSS: <https://jigsaw.w3.org/css-validator/>

Results for HTML:

- [HTML](#)

Results for CSS:

- [app.css Validation](#)
- [milligram.min.css Validation](#)

7. Revisions to the Project

Since the requirements specification phase some revisions and alterations were made. Some of the User Stories implemented in the ER were not implemented. Some examples are the US06 - See jobs, on the other hand we added a static page, “Services”, that allows the user to see all the services that we provide on our website.

There were changes in the wireframes as well, we changed the aspect of the website and while trying to keep faithful to what we presented in that component.

The EBD, where we started the implementation of our database, didn't get much modification to its core.

The EAP worked as a skeleton of this part of the project, and because of that, the only part we can say that needed revision was the Login, that in the EAP wasn't working properly, and now it's totally functional.

8. Implementation Details

8.1. Libraries Used

There were no extra libraries used by us, everything we used was installed with the template Laravel.

8.2. User Stories

This subsection includes all high and medium priority user stories.

US identifier	Name	Module	Priority	State
US01	See Home	M03	High/Mandatory	100%
US02	See About Us	M03	High/Mandatory	100%
US03	See FAQ	M03	High/Mandatory	100%
US04	See Contact Us	M03	High/Mandatory	100%
US05	See Search	M03	High/Mandatory	50%
US07	Sign-In	M01	High/Mandatory	100%
US08	Sign-Up	M01	High/Mandatory	100%
US11	See Article	M02	High/Mandatory	100%
US12	See Comment	M02	High/Mandatory	100%
US13	Follow User	M01	High/Mandatory	100%
US14	Profile	M01	High/Mandatory	100%
US15	Vote Article	M02	High/Mandatory	30%
US16	Report Article	M02	High/Mandatory	10%

A10: Presentation and Discussion

This artefact includes the presentation and the demonstration of the product. The demonstration should include a short video of 2 minutes, showcasing the main features of the product.

1. Product Presentation

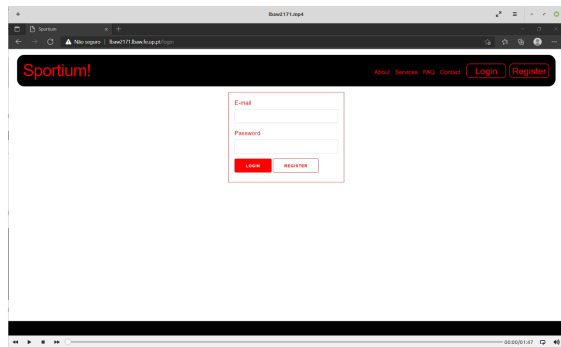
In our product we were able to implement some of the most fundamental features that were discussed in past artifacts. We are able to see the homepage and navigate through it, see all the posts, choose a specific category we are interested in, click on the posts and see more about them, read the comments and see the profile of the people who wrote either the article or the comments. We can also check all the static pages like Services, FAQ, About and Contact and if we have an account we can login and become an authenticated user, or if we don't have an account we can register ourselves, after the authentication we are able to follow users and access our own profile.

URL to the product: <http://lbaw2171.lbaw.fe.up.pt>

URL to the presentation: [lbaw2171 Presentation.pdf](#)

2. Video Presentation

Video at: [Video.mp4](#)



Revision history

- [28-01-2022] Added A9, A10 to the PA
- [28-01-2022] Added Revision history to the PA
- [28-01-2022] Added Authors to the PA

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