PA: Product and Presentation

AltArt aims to provide an aesthetically pleasing collaborative news website, without information explosion, that allows people who have the same interests in music, literature and the arts to come together to connect and share opinions.

A9: Product

We developed a collaborative news website, where a user can create a post with one of five categories: Music, Cinema, TV show, Theatre and Literature and one of three types: news, article and reviews. A user can also see, on the homepage, the top, hot and new posts, which is ordered by number of likes, number of views and date descendent, respectively. Whenever a user wants to read a post later or just remind it, he can save the post. User can like/dislike, comment and report posts as well as comments. Users with an account can also personalize their home page feed. When viewing posts, users are provided with a search/filter tool to best find the post they desire. Posts contain tags, so user can follow them or search by them. Beyond that, there are the user settings and, the moderation and administration of the site.

1. Installation

Link to the release with the final version of the source code in the group's git repository: https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123

To run the project's image locally, must run the following command:

```
docker run -it -p 8000:80 -e DB_DATABASE="lbaw2123" -e DB_USERNAME="lbaw2123" -e
DB_PASSWORD="PASSWORD" lbaw2123/lbaw2123
```

Run PostgresSQL local server: `docker-compose up`

Run Database : `php artisan db::seed`

Run laravel php local server: `php artisan serve`

2. Usage

URL to the product: http://lbaw2123.lbaw-prod.fe.up.pt

2.1. Administration Credentials

Administration URL: http://lbaw2123.lbaw-prod.fe.up.pt/administration/roles

Username	Password
nellicombeg	123456

2.2. User Credentials

Type	Username	Password
moderator	styrere	123456
regular	ssmoote1	123456

2.3. Mailtrap Credentials

Email: lbaw2123@gmail.com

Password: lbaw2123!$%

3. Application Help

A user is always presented with feedback on its actions. For example, when saving a post, beyond the visual change of a plus sign to a check sign, is always presented with a notification in the bottom right corner. Every time the user tries to access something for which has no permissions a corresponding page is shown and in the cases that the reason is the lack of authentication there is a button to open the login modal. Actions like delete ask for additional confirmation with a confirmation modal.

4. Input Validation

Our product uses client-side and server-side validation. On the client side, it is used with the intent of giving feedback on the adequacy of the input. On the server side, we guarantee all requests are valid and are not meant to exploit our product.

The first one can be seen in the comment form:

```
if(content.value === "" || content.value.match("^\\s+$")){
    show_generic_warning( warning: "Empty comments are not allowed!");
    return;
}
```

The second exists in all our forms. Here is an example in the edit account:

```
$validator = Validator::make($request->all(),
    [
        "name" => ["max:20", "filled"],
        "username" => ["filled", "max:20", Rule::unique( table: 'authenticated_user')->ignore($user->id)],
        "email" => ["filled", "email", "max:50", Rule::unique( table: 'authenticated_user')->ignore($user->id)],
    ]);
```

5. Check Accessibility and Usability

This section contains the results of accessibility and usability tests:

- Accessibility: 15/18

Accessibility Report

- Usability: 20/28

Usability Report

6. HTML & CSS Validation

The results of the validation of the HTML and CSS code are submitted ZIP file on Moodle.

[Homepage HTML Validation Report](#)

[Post page HTML Validation Report](#)

[CSS Validation Report](#)

7. Revisions to the Project

Since the requirements specification stage, there weren't any major changes to our projects. The main revisions done to the project were some pages design and the addition of some logic user stories.

8. Implementation Details

8.1. Libraries Used

In our project the extra things used are the following:

- FontAwesome

Font Awesome is a font and icon toolkit. It was used in most of our web app icons.

Link to example of use: http://lbaw2123.lbaw-prod.fe.up.pt

- Mailtrap:

Mailtrap is a testing tool and is not designed to deliver emails to real addresses. It was used to test the recovery of passwords.

Link to example of use: http://lbaw2123.lbaw-prod.fe.up.pt/forgot_password

- TinyMCE

TinyMCE is an online rich-text editor. It was used in the creation and edition of posts.

Link to example of use: http://lbaw2123.lbaw-prod.fe.up.pt/addpost

8.2 User Stories

The following table describes the implementation status of each user story.

US Identifier	Name	Module	Priority	Team members	State
US101	Sign In	M01: Authentication and Individual Profile	Mandatory	**Mariana Truta**	100%
US102	Sign Up	M01: Authentication and Individual Profile	Mandatory	**Mariana Truta**	100%
US001	Homepage	M02: Post	Mandatory	**Rita Peixoto**	100%
US004	Read Post	M02: Post	Mandatory	**Allan Sousa**	100%
US308	View my posts	M02: Post	Mandatory	**Allan Sousa**	100%
US201	Sign out	M01: Authentication and Individual Profile	Mandatory	**Mariana Truta**	100%
US301	Publish Post	M02: Post	Mandatory	**Catarina Fernandes**	100%
US302	Edit Post	M02: Post	Mandatory	**Catarina Fernandes**	100%
US303	Remove Post	M02: Post	Mandatory	**Allan Sousa**	100%
US006	About Page	M06: Static pages	Mandatory	**Allan Sousa**	100%
US007	FAQ Page	M06: Static pages	Mandatory	**Allan Sousa**	100%
US304	Comment Post	M03: Comment	Mandatory	**Allan Sousa**	100%
US305	Edit my comment	M03: Comment	Mandatory	**Allan Sousa**	100%
US306	Delete my comment	M03: Comment	Mandatory	**Allan Sousa**	100%
US307	Answer Comment	M03: Comment	Mandatory	**Allan Sousa**	100%
US002	Search by text	M05: Search	Mandatory	**Rita Peixoto**	100%
US003	Filter Posts	M05: Search	Mandatory	**Rita Peixoto**	100%

US Identifier	Name	Module	Priority	Team members	State
US202	Edit profile	M01: Authentication and Individual Profile	Mandatory	**Catarina Fernandes**	100%
US203	View profile	M01: Authentication and Individual Profile	Mandatory	**Catarina Fernandes**	80%
US220	Visit another profile	M01: Authentication and Individual Profile	Important	**Catarina Fernandes**	100%
US501	Remove Role	M07: Administration	Mandatory	**Mariana Truta**	100%
US502	Add Role	M07: Administration	Mandatory	**Mariana Truta**	100%
US401	Dashboard	M07: Administration	Mandatory	**Mariana Truta**	100%
US204	Follow user	M01: Authentication and Individual Profile	Mandatory	**Catarina Fernandes**	100%
US205	Unfollow user	M01: Authentication and Individual Profile	Mandatory	**Catarina Fernandes**	100%
US213	Personalized Homepage	M02: Post	Important	**Rita Peixoto**	100%
US207	Vote Post	M02: Post	Important	**Rita Peixoto**	100%
US208	Remove vote post	M02: Post	Important	**Rita Peixoto**	100%
US209	Change vote post	M02: Post	Important	**Rita Peixoto**	100%
US218	Edit account	M01: Authentication and Individual Profile	Important	**Rita Peixoto**	100%
US219	Delete account	M01: Authentication and Individual Profile	Important	**Rita Peixoto**	100%
US210	Vote comment	M03: Comment	Important	**Rita Peixoto**	100%
US211	Remove vote comment	M03: Comment	Important	**Rita Peixoto**	100%

US Identifier	Name	Module	Priority	Team members	State
US212	Change vote comment	M03: Comment	Important	**Rita Peixoto**	100%
US402	Assign report	M07: Administration	Important	**Mariana Truta**	100%
US403	Filter reports	M07: Administration	Important	**Mariana Truta**	100%
US206	Report content	M02: Post	Important	**Allan Sousa**	100%
US214	Follow tag	M02: Post	Important	**Allan Sousa**	100%
US215	Unfollow tag	M02: Post	Important	**Allan Sousa**	100%
US216	Save post	M02: Post	Important	**Allan Sousa**	100%
US217	Remove saved post	M02: Post	Important	**Allan Sousa**	100%
US404	Ban posts	M07: Administration	Important	**Mariana Truta**	100%
US405	Ban comments	M07: Administration	Important	**Mariana Truta**	100%
US105	Recover password	M01: Authentication and Individual Profile	Optional	**Rita Peixoto**	100%
US222	Block user	M01: Authentication and Individual Profile	Optional	**Rita Peixoto**	50%
US223	Unblock user	M01: Authentication and Individual Profile	Optional	**Rita Peixoto**	50%

A10: Presentation

This artefact aims to present and demonstrate our final product.
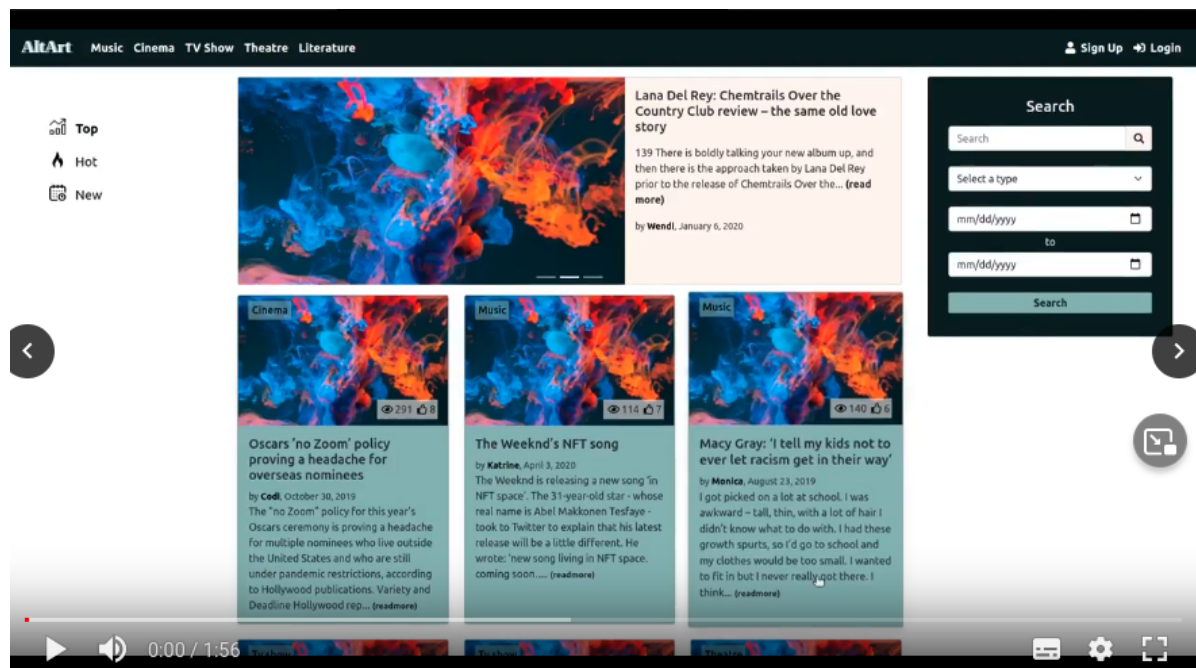
1. Product presentation

This project provides an aesthetically pleasing collaborative news website, without information explosion, that allows people who have the same interests in music, literature and the arts to come together to connect and share opinions. We provide a community website where people can connect and talk to one another about their favourite art-related topics, keeping everything organized and open to everyone.

The website has an intuitive and appealing design. When authenticated, each user can write news' posts, opinion articles, and reviews on topics of their choice with the corresponding tags and categories to be easily found. It is possible to interact with others' posts by adding and rating comments, liking/disliking, sharing, and saving the posts to be viewed later. When coming across any fake information or hate speech, users can report it. Additionally, users can follow each other and receive notifications whenever that user posts something new. Readers can perform advanced searches using text and filter posts by criteria such as type, category, date, people they follow. Finally, each user can define a set of topics they are interested in, which can be changed at any time and is used to enhance their experience on the website.

URL to the product: http://lbaw2123.lbaw-prod.fe.up.pt

PDF used during the presentation: Presentation Slides

2. Video presentation

URL to the video: https://drive.google.com/file/d/1si6Oo0ZJ7an-GSk2fPfaDP_x3M5GzCO9/view

GROUP2123, 08/06/2021

- Allan Sousa, up201800149@fe.up.pt
- Catarina Fernandes, up201806610@fe.up.pt
- Mariana Truta, up201806543@fe.up.pt
- Rita Peixoto, up201806257@fe.up.pt (Editor)