PA: Product and Presentation

Collaborative News is a web platform for news sharing where you can also interact with other users.

A9: Product

The main focus of this project was to develop a system for news sharing where users can interact with posts and other users.

The website has a simple design that allows users to easily navigate through pages and find what they are looking for. It gathers news from multiple topics so that users don´t need to search for them in multiple other websites. The system is perfect for interactions with posts: simple and fast, inducing users to interact even more and increase the feedback on articles.

Authenticated users can create news and comment and vote on posts. Those interactions can be edited or deleted by the owner. Members can also check on other users profiles as well as manage their own. They have a page specifically made for them, full of articles they might like based on their interaction with the system.

By managing all the content, the admin, with an help from reputation system implemented, allows users a safer experience in the website.

1. Installation

The final version of the source code is available [here](#).

Docker commands to start the image:

```
docker run -it -p 8000:80 --name=lbaw2103 -e DB_DATABASE="lbaw2103" -e DB_SCHEMA="lbaw2103" -e DB_USERNAME="lbaw2103" -e DB_
```

2. Usage

The URL to the product is: http://lbaw2103.lbaw.fe.up.pt

2.1. Administration Credentials

Administration URL: http://lbaw2103.lbaw.fe.up.pt/admin/users

Username	Password
admin@fe.up.pt	admin123

2.2. User Credentials

Type	Username	Password
basic account	collab@fe.up.pt	collab123
news writer/editor	newseditor@fe.up.pt	newsed123

3. Application Help

A static [Help](#) page (available in the footer) is provided to help our users interact with the website. In addition, forms show error messages to help them when they try to submit invalid information. For example, if you try to create an account with a username already taken, a message "*The name has already been taken*" will show up.

4. Input Validation

Input data is validated in both client-side and server-side. For example, as client-side validation, on user registration, the e-mail field is verified to check if it really corresponds to an e-mail type string (has a '@'). An example for server-side validation is when a user tries to create an account with a username already taken and the server returns an error message and ignores the request.

5. Check Accessibility and Usability

[Accessibility](#)

- There is no need to use fieldsets in our forms as they specify a single model, in which information cannot be grouped.

Usability

- There was no time left to fully complete some points such as mobile usability, user location feedback, CSS features and handling some errors.

6. HTML & CSS Validation

HTML validation

CSS validation

7. Revisions to the Project

Since the requirements specification stage, three user stories were added (US38, US39 and US40) to clarify some features included in the product. In the OpenApi, a missing resource was added (R114), and some were reviewed and updated to match the final product. On the other hand, some low priority features weren´t implemented in the final product, but they do not interfere in its correct flow.

8. Implementation Details

8.1. Libraries Used

For this project, the Laravel framework was used in the product. No libraries were used.

8.2 User Stories

US Identifier	Name	Module	Priority	Team Members	State
US01	Sign-up	M01	High	**Diogo Pinto**	100%
US02	Sign-in	M01	High	**Pedro Pinheiro**	100%
US17	Logout	M01	High	**Diogo Pinto**	100%
US06	View news item	M02	High	**Luís Lucas**	100%
US38	View Top News Feed	M02	High	**Luís Lucas**	100%
US19	Create news item	M02	High	**Luís Lucas**	100%
US28	Edit news item	M02	High	**Luís Lucas**	100%
US29	Delete news item	M02	High	**Luís Lucas**	100%
US15	View own profile	M01	High	**Pedro Pinheiro**	100%
US16	View others users' profiles	M01	High	**Pedro Pinheiro**	100%
US14	Edit profile	M01	High	**Pedro Pinheiro**	100%
US40	Administer User Accounts	M04	Medium	**Guilherme Garrido**	100%
US34	Manage content	M04	High	**Guilherme Garrido**	100%
US09	Search for news items and comments	M03	High	**Luís Lucas**	100%
US12	Exact match search	M03	Low	**Luís Lucas**	100%
US10	See About	M04	High	**Diogo Pinto**	100%
US11	See Help	M04	High	**Diogo Pinto**	100%
US18	Delete account	M01	High	**Guilherme Garrido**	100%
US33	Delete user accounts	M04	High	**Guilherme Garrido**	100%
US08	Search by topic	M03	High	**Guilherme Garrido**	100%
US24	Follow topics	M03	Medium	**Pedro Pinheiro**	100%
US25	Unfollow topics	M03	Medium	**Pedro Pinheiro**	100%
US26	Follow member	M01	Medium	**Pedro Pinheiro**	100%

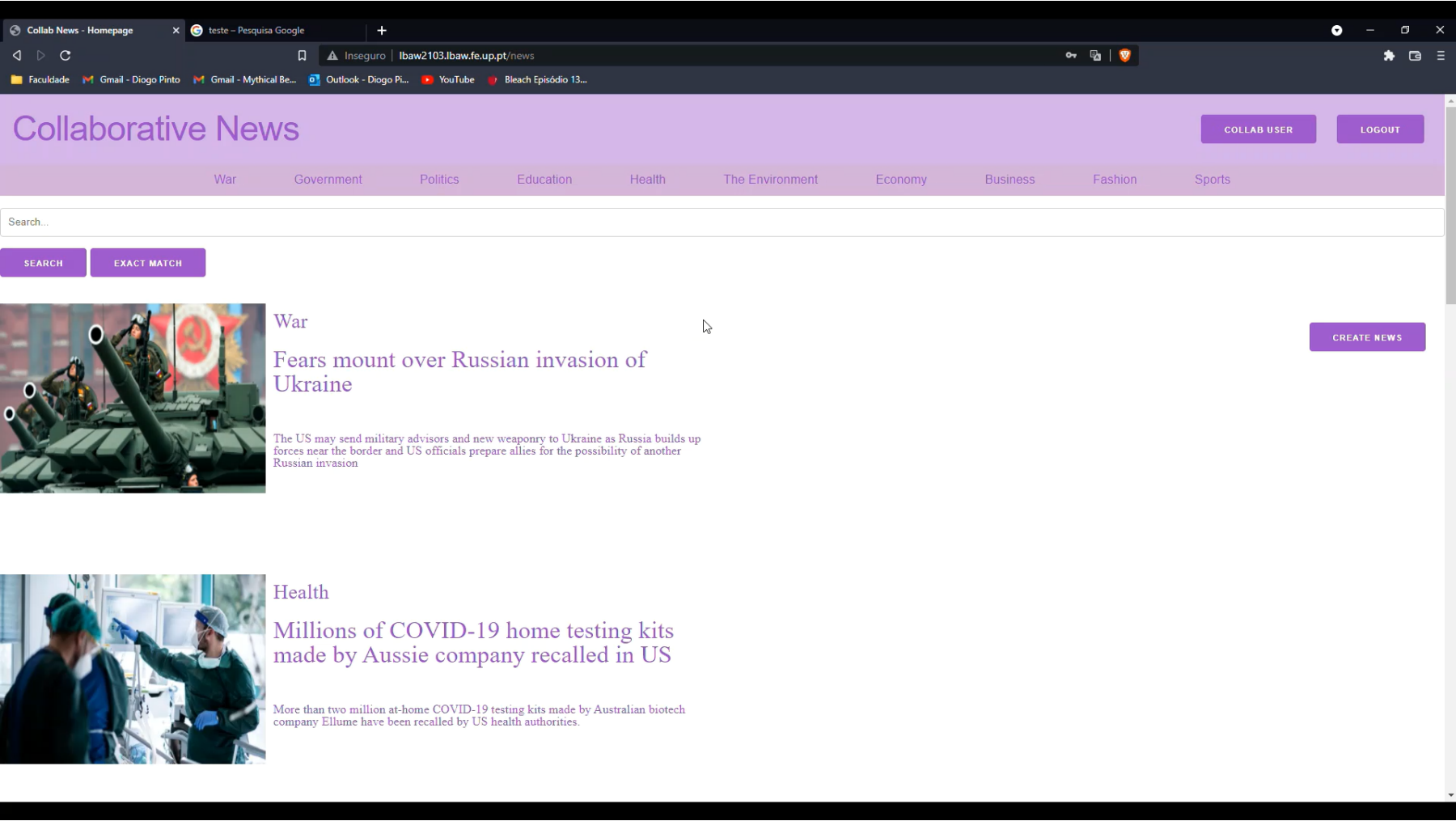| US Identifier	Name	Module	Priority	Team Members	State
US27	Unfollow member	M01	Medium	**Pedro Pinheiro**	100%
US07	View news item comments	M02	High	**Diogo Pinto**	100%
US20	Comment on news item	M02	High	**Guilherme Garrido**	100%
US30	Edit comment	M02	High	**Diogo Pinto**	100%
US31	Delete comment	M02	High	**Diogo Pinto**	100%
US21	Vote on news item	M02	High	**Guilherme Garrido**	100%
US22	Vote on comment	M02	High	**Guilherme Garrido**	100%
US39	View User News Feed	M02	High	**Luís Lucas**	100%

A10: Presentation

1. Product presentation

Collaborative News is a web system able to manage the sharing of news from different users. This tool allows users to easily interact with posts by commenting and voting on them.

Users can filter articles by topics or by text-searching them. User profiles show information about the user's activity on the website. From their own profile, members can access a suggestion page specifically made for them, based on their interaction with the system.

URL to the product: http://lbaw2103.lbaw.fe.up.pt

2. Video presentation

Links to the video:

- Git
- Google Drive

Revision history

Changes made to ER, EBD and EAP are documented in the respective documents.

GROUP2103, 28/01/2022

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