

PA: Product and Presentation

Gameorama is a web application that provides a place for gamers to post, discuss and rate the latest news on their favorite videogames and topics.

A9: Product

The goal of this artefact is to showcase the finished product, analyzing its input validation, accessibility, usage and implementation details. It also contains an installation guide to run the project image locally.

Our product, Gameorama, consists of a platform for the gaming community to post, rate, and comment on the latest news, while also being able to follow their favorite videogame topics.

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/lbaw2133>

To run the project image locally, simply run the following commands:

```
# Get the required modules
composer install

# Install Pusher
composer require pusher/pusher-php-server

# Build the image
docker build -t lbaw2133/lbaw2133

#Run the image
docker run -it -p 8000:80 -e DB_DATABASE="lbaw2133" -e DB_USERNAME="lbaw2133" -e DB_PASSWORD="x0942770" lbaw2133/lbaw2133
```

Note: The Recover password feature is only working locally due to a problem with SSL certificates.

2. Usage

URL to the product: <http://lbaw2133.lbaw-prod.fe.up.pt>

2.1. Administration Credentials

Administration URL: <http://lbaw2133.lbaw-prod.fe.up.pt/admin>

Username	Password
WanWan	#Password123

2.2. User Credentials

Username	Password
ewyche13@google.co.uk	#Password123

3. Application Help

Help has been implemented across various features in the website:

- When an unauthenticated user tries to use a member feature (e.g. voting on news posts, following members/topics, etc.) a pop-up message appears, indicating that the user must login to execute that action;
- When a member reports someone or edits their account settings, a confirmation message appears, indicating that the action has been successful or unsuccessful depending on if it has been executed correctly or not;
- This same confirmation message appears when an admin deletes or dismisses a post/comment/topic/member report;
- Most buttons have visual indicators that represent their respective actions (e.g. the follow button changes color and text when a member is already following that topic/member);
- Finally, there is also some contextual help, which is present in the news post creation page (some tooltips for clarification) and in the sign up page (indicating the requirements for the password).

4. Input Validation

Input was validated both on the client side and server side:

- On the **client side**, it is meant to provide intuitive and visual feedback to the user about the correctness and adequacy of the inserted data.
- On the **server side**, the goal is to ensure the requests are valid and are not meant to cause exploitation of any kind.

Some examples of this can be found while logging in/signing up, creating/editing a news post, updating the user's account settings and editing the user's profile.

5. Check Accessibility and Usability

The results of accessibility and usability tests can be found here:

[Accessibility](#).

[Usability](#).

6. HTML & CSS Validation

The results of the validation of the HTML and CSS can be found here:

[HTML Home Page](#)

[HTML Post Page](#)

[CSS](#)

7. Revisions to the Project

Since the requirements specification stage, several changes have been made to the project:

- **ER** - Added some missing user stories and a new one - Recover Password (US25).
- **EBD** - Made some adjustments to the UML, deleted some tables (member_image, follow_notification, comment_notification and reply_notification) and added new ones (notifications and password_resets) to support password recovery and the new notifications (Laravel library). Added new triggers to support the search function and deleted the ones related to the old notification system. Also fixed other indexes/triggers.
- **EAP** - Deleted some endpoints related to the old notification system and added new ones.

8. Implementation Details

8.1. Libraries Used

This section contains all the libraries used in the project.

Pusher

This library was used in order to have real-time notifications. Example: [notifications.js](#)

Select2

This library makes the topic selection possible while creating or editing a news post. Example: [create_post.js](#) and [create_post.blade.php](#)

TinyMCE

TinyMCE is an advanced WYSIWYG HTML editor used to write content while creating or editing a news post. Example: [create_post.js](#) and [create_post.blade.php](#)

Gmail SMTP Server

The Gmail SMTP Server provides a password recovery system, sending a verification email to the user. Example: [ForgotPasswordController.php](#)

8.2 User Stories

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

US Identifier	Name	Module	Priority	Team Members	State
US101	Main Page News	Module 2	High/Mandatory	André Nascimento, Gustavo Sena	100%
US102	Profile Page	Module 1	High/Mandatory	André Nascimento, Diogo Almeida, Gustavo Sena	100%
US103	View Member's Posted News Posts	Module 1	High/Mandatory	André Nascimento	100%
US104	View Member's Comments	Module 1	High/Mandatory	André Nascimento	100%
US105	View Member's Followed Members	Module 1	High/Mandatory	André Nascimento, Diogo Almeida	100%
US106	View Member's Followers	Module 1	High/Mandatory	André Nascimento, Diogo Almeida	100%
US107	View Member's Followed Topics	Module 1	High/Mandatory	André Nascimento, Diogo Almeida	100%
US108	Search	Module 6	High/Mandatory	André Nascimento, Caio Nogueira, Gustavo Sena	100%
US109	Topic Page	Module 4	High/Mandatory	Caio Nogueira, André Nascimento, Gustavo Sena	100%
US110	News Post Page	Module 2	High/Mandatory	Diogo Almeida, Gustavo Sena	100%

US Identifier	Name	Module	Priority	Team Members	State
US111	Main Page Trending Topics	Module 4	Medium/Important	André Nascimento	100%
US112	Main Page Hall of Fame	Module 2	Medium/Important	André Nascimento	100%
US113	About Page	Module 7	Low/Optional	Diogo Almeida, Caio Nogueira	100%
US21	Sign Up	Module 1	High/Mandatory	Caio Nogueira, Diogo Almeida	100%
US22	Log In	Module 1	High/Mandatory	Caio Nogueira, Diogo Almeida	100%
US25	Recover Password	Module 1	Medium/Important	André Nascimento	100%
US311	Logout	Module 1	High/Mandatory	Caio Nogueira	100%
US321	Create a News Post	Module 2	High/Mandatory	André Nascimento	100%
US322	Select/Add a Topic	Module 2	High/Mandatory	André Nascimento	100%
US323	Create a Topic	Module 4	High/Mandatory	André Nascimento	100%
US324	Comment a News Post	Module 3	High/Mandatory	Caio Nogueira, Gustavo Sena	100%
US331	Follow a Topic	Module 4	High/Mandatory	Diogo Almeida, André Nascimento	100%
US332	Unfollow a Topic	Module 4	High/Mandatory	Diogo Almeida, André Nascimento	100%
US333	Follow a Member	Module 2	High/Mandatory	Diogo Almeida	100%

US Identifier	Name	Module	Priority	Team Members	State
US334	Unfollow a Member	Module 2	High/Mandatory	Diogo Almeida	100%
US341	Rate a News Post	Module 2	High/Mandatory	Caio Nogueira, Diogo Almeida, André Nascimento	100%
US342	Rate a Comment	Module 2	High/Mandatory	Caio Nogueira, Diogo Almeida, André Nascimento	100%
US343	Report a Member	Module 2	High/Mandatory	Gustavo Sena	100%
US344	Report a News Post	Module 2	High/Mandatory	Gustavo Sena	100%
US345	Report a Comment	Module 3	High/Mandatory	Gustavo Sena	100%
US346	Report a Topic	Module 4	High/Mandatory	Gustavo Sena	100%
US347	Bookmark a News Post	Module 2	High/Mandatory	Diogo Almeida	100%
US348	Remove Bookmarked a News Post	Module 2	High/Mandatory	Diogo Almeida	100%
US351	View Bookmarked News Posts	Module 2	High/Mandatory	André Nascimento	100%
US352	Edit Profile Information	Module 2	High/Mandatory	Caio Nogueira	100%
US353	Edit Account Settings	Module 2	High/Mandatory	André Nascimento, Diogo Almeida	100%
US354	Delete Account	Module 2	High/Mandatory	André Nascimento	100%
US361	Notifications	Module 5	Medium/Important	Diogo Almeida	100%

US Identifier	Name	Module	Priority	Team Members	State
US41	Edit my News Post	Module 2	High/Mandatory	André Nascimento	100%
US42	Delete my News Post	Module 2	High/Mandatory	André Nascimento	100%
US51	Edit my Comment	Module 3	High/Mandatory	Caio Nogueira	100%
US52	Delete my Comment	Module 3	High/Mandatory	Caio Nogueira	100%
US61	Delete a News Post	Module 7	High/Mandatory	Caio Nogueira	100%
US62	Delete a Comment	Module 7	High/Mandatory	Caio Nogueira	100%
US63	Delete/Ban an account	Module 7	High/Mandatory	Caio Nogueira	100%
US64	Delete a Topic	Module 7	High/Mandatory	Caio Nogueira	100%
US65	View Administrator Page	Module 7	High/Mandatory	Caio Nogueira	100%

A10: Presentation

1. Product presentation

Gameorama is a web application that provides a place for gamers to post, discuss and rate the latest news on their favorite videogames and topics. As the videogame world is continuously evolving, its community sometimes struggles to keep up with all the changes and new releases: the purpose of this project is to precisely solve that problem.

The main features of the website include a main page where it is possible to sort by popularity or recent news. Authenticated users also have the option to see a customized feed with the news posts of members or topics they follow. It is also possible to create news posts and associate them with a specific topic, making it easier for other users to find it and comment on it, both features being essential to the main functionality of the website. Another important feature is the possibility of upvoting or downvoting posts or comments, which has a direct impact on the author's "aura" score, and, consequently, their reputation on the website, since this score is supposed to represent the popularity and reliability of the member and their content.

URL to the product: <http://lbaw2133.lbaw-prod.fe.up.pt>

2. Video presentation

Link to the lbaw2133.mp4 file: https://drive.google.com/file/d/1egkA-okxfenRggPJ9Hed_N0WY08mci_K/view?usp=sharing

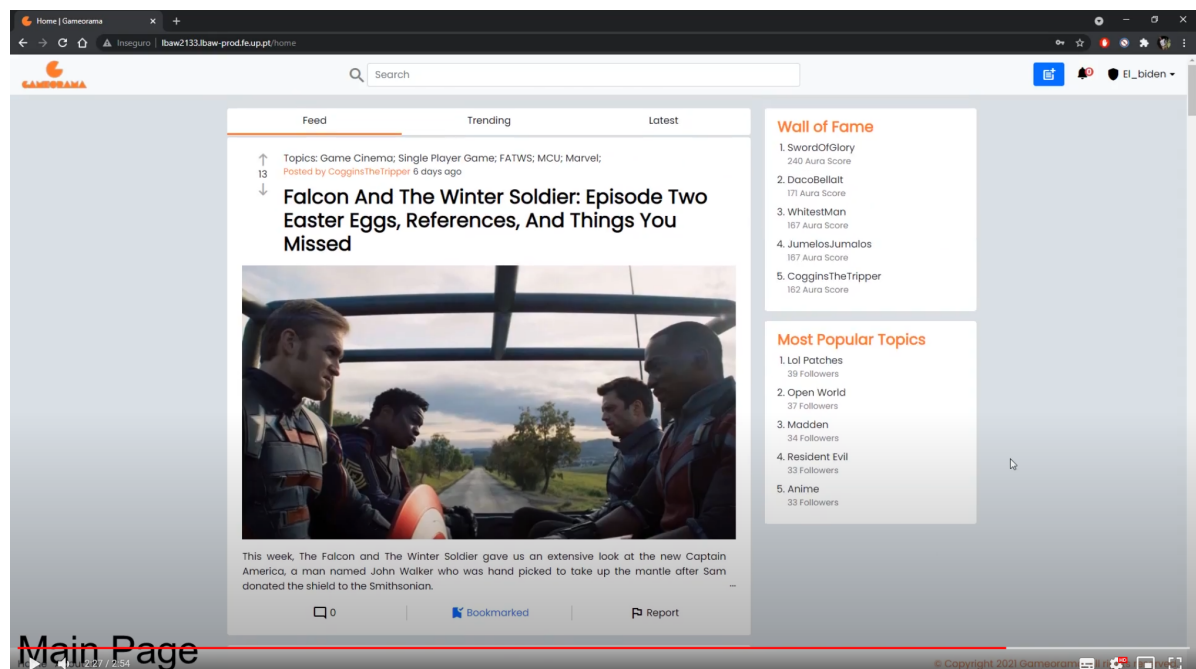


Figure 1: Video Screenshot

Revision history

Changes made to the first submission: N/A

GROUP2133, 10/06/2021

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