

PA: Product and Presentation

Our project aims to redefine what it means to be online and have questions. Our goal is to ensure that every user feels comfortable asking questions and confident that they will receive fast and constructive answers in a friendly environment. We will have a rating system to ensure only the best and most helpful answers according to the community get to the top.

A9: Product

Our final product is a fully functional Q&A where users can write questions, answers and comments, read what others have written, vote on the best answers, and earn point for their good answers and comments. All this is controlled by administrators and moderators who have the power to control the posts, the users (only administrators) and the tags.

1. Installation

Link to source code

The source code of our project is [here](#)

Instructions to run the project

Login to docker registry:

```
docker login gitlab.up.pt:5050
```

Run to start the docker containers:

```
docker run -d --name lbaw24112 -p 8001:80 gitlab.up.pt:5050/lbaw/lbaw2425/lbaw24112
```

Open in browser:

```
http://localhost:8001
```

2. Usage

2.1. Administration Credentials

Admin Dashboard:

- [Users](#)
- [Posts](#)
- [Tags](#)

Admin Login: [link](#)

Email	Password
leonoremail@4nswers.com	password123
rodrigoemail@4nswers.com	password123
pedroemail@4nswers.com	password123
afonsoemail@4nswers.com	password123

2.2. User Credentials

Type	Email	Password
Moderator	miguelemail@4nswers.com	password123

Moderator	vicenteemail@4nswers.com	password123
User	alexandreemail@4nswers.com	password123
User	mansilhaemail@4nswers.com	password123
User	franciscoemail@4nswers.com	password123
User	claraemail@4nswers.com	password123
User	rafaelemail@4nswers.com	password123

3. Application Help

In our Q&A we implemented somethings to help our users understand the input needed and the format. These can be found in the form of text or in the form of icons, marking the mandatory inputs when registering.

The image shows a 'Register' form with the following fields: Name, Nickname, Email, Password, Confirm Password, and Birth Date. Each field is followed by a red asterisk (*) indicating it is mandatory. The Birth Date field includes a date picker icon. At the bottom, there is a 'Register' button and a link for users who already have an account to 'Sign In'.

Register Page

The image shows a 'New Question' form. It includes a title field, a description field, a 'Marked as solved' checkbox, and a 'Submit' button. There are also several smaller input fields for tags or categories.

New Question Page

4. Input Validation

When the user inserts data it is very important to validate this input. We implemented some warnings when a user attempts to write input on the wrong format and also some validations to ensure the input is being inserted when mandatory. On the user side, if a user tries to insert an email not in the correct format, with out the @ for example, an warning will be displayed to ensure the user can not register with that incorrection.

The image shows the 'Register' form with a validation error message displayed. The message states: 'Inclua um "@" no endereço de email. Faltou um "@" em "leonoremail.com"'. The error is shown in a yellow box with a warning icon. The form fields are filled with: Name: leo, Nickname: leo, Email: leonoremail.com, Password: (masked), Confirm Password: (masked), and Birth Date: 10/10/2004.

On the server side we make sure that the email and nickname are unique and we display an warning if not.

5. Check Accessibility and Usability

Our project had an accessibility of 17/18 and a usability of 25/28.

Accessibility: [pdf](#)

Usability: [pdf](#)

6. HTML & CSS Validation

We validated our HTML for the main pages a user would visit, you can find the results here:

- [Home Page](#)
- [Question Page](#)
- [Profile Page](#)
- [Hall of Fame Page](#)
- [Posting](#)

7. Revisions to the Project

In this last part of the project we improved some URL's that in th last delivery where not being properly sanitized and we added policies to ensure no user could enter a page that was not suposed to.

8. Implementation Details

8.1. Libraries Used

In this project the only library used was [Tailwind](#). It was used to facilitate the way the css was writen and was used in almost every page, for example in the [home page](#).

8.2 User Stories

US Identifier	Name	Module	Priority	Team Members	State
US00	See the Homepage	High	M02: Home and Navigation	Rodrigo de Sousa	100%
US01	Read a Question and respective Answers	High	M03: Questions Management	Afonso Castro	100%
US02	Create an account	High	M01: User Management	Leonor Couto	100%
US03	Login	High	M01: User Management	Leonor Couto	100%
US04	Read Most Voted Question	High	M03: Questions Management	Pedro Santos	100%
US12	Create an account	High	M01: User Management	Leonor Couto	100%
US13	Login	High	M01: User Management	Leonor Couto	100%
US14	Logout	High	M01: User Management	Leonor Couto	100%

US15	Edit Profile	High	M01: User Management	Leonor Couto	100%
US16	View Personal Feed	High	M03: Questions Management	Pedro Santos	100%
US17	Post a Question	High	M03: Questions Management	Leonor Couto	100%
US18	Respond to a Question	High	M03: Questions Management	Afonso Castro	100%
US19	View My Questions	High	M03: Questions Management	Leonor Couto	100%
US20	View My Answers	High	M03: Questions Management	Leonor Couto	100%
US32	Set a Time Limit for a Question	High	M03: Questions Management	Rodrigo de Sousa	100%
US33	Edit Own Question	High	M03: Questions Management	Leonor Couto	100%
US34	Delete Own Question	High	M03: Questions Management	Leonor Couto	100%
US39	Edit Own Answer	High	M03: Questions Management	Leonor Couto	100%
US40	Delete Own Answer	High	M03: Questions Management	Leonor Couto	100%
US43	Vote on Content	High	M03: Questions Management & M04: Answers Management	Afonso Castro	100%
US54	Manage Tags	High	M06: Tags Management	Pedro Santos	100%
US55	Administrator Accounts	High	M01: User Management	Rodrigo de Sousa	100%
US56	Administer Accounts	High	M01: User Management	Rodrigo de Sousa, Pedro Santos	100%
US57	Block and Unblock Users	High	M01: User Management	Pedro Santos	100%
US58	Delete Users	High	M01: User Management	Leonor Couto	100%
US05	Filter Question by Tag	Medium	M03: Questions Management & M06: Tags Management	Pedro Santos, Rodrigo de Sousa	100%
US06	Search for Questions	Medium	M02: Home and Navigation	Rodrigo de Sousa	100%
US07	Search for Users	Medium	M02: Home and Navigation	Rodrigo de Sousa	100%
US08	View User Profile	Medium	M01: User Management	Rodrigo de Sousa	100%
US09	View Recently Asked Questions	Medium	M02: Home and Navigation	Pedro Santos	100%
US10	View Question Details	Medium	M03: Questions Management	Afonso Castro	100%
US11	See Contacts	Medium	M02: Home and Navigation	Afonso Castro	100%
US21	Comment on Responses	Medium	M05: Comments Management	Afonso Castro	100%
US22	Vote on Questions	Medium	M03: Questions Management	Afonso Castro	100%
US23	View Answer Rankings	Medium	M04: Answers Management	Rodrigo de Sousa	100%
US24	Follow Tags	Medium	M06: Tags Management	Pedro Santos	100%

US25	View Closed Questions	Medium	M03: Questions Management	Rodrigo de Sousa	100%
US26	Report Content	Medium	M08: Notifications	Rodrigo de Sousa	100%
US27	Delete Profile	Medium	M01: User Management	Leonor Couto	100%
US28	Manage Posts	Medium	M03: Questions Management & M04: Answers Management & M05: Comments Management	Rodrigo de Sousa	100%
US29	Change Password	Medium	M01: User Management	Leonor Couto	100%
US30	Add and Change Profile Picture	Medium	M01: User Management	Leonor Couto	100%
US31	Follow Questions	Medium	M03: Questions Management	Rodrigo de Sousa	100%
US32	Choose Time Limit and Close Question by Time Limit	Medium	M03: Questions Management	Afonso Castro, Rodrigo de Sousa	100%
US35	Close Question by Selecting Answer	Medium	M03: Questions Management	Rodrigo de Sousa	100%
US36	Earn Points	Medium	M01: User Management	Afonso Castro	100%
US37	Edit Tags on a Question	Medium	M03: Questions Management & M06: Tags Management	Rodrigo de Sousa	100%
US38	Notifications on Answer to Question	Medium	M08: Notifications	Afonso Castro	100%
US41	See if Answer is Marked Chosen	Medium	M04: Answers Management	Rodrigo de Sousa, Afonso Castro	100%
US42	Earning Points Answering	Medium	M04: Answers Management	Afonso Castro	100%
US44	Edit Comments	Medium	M05: Comments Management	Rodrigo de Sousa	100%
US45	Delete Comments	Medium	M05: Comments Management	Rodrigo de Sousa	100%
US46	Earning Points Voting	Medium	M03: Questions Management & M04: Answers Management	Afonso Castro	100%
US48	Issue Alerts on questions	Medium	M08: Notifications	Afonso Castro, Rodrigo de Sousa	100%
US49	Issue Alerts on answers	Medium	M08: Notifications	Afonso Castro, Rodrigo de Sousa	100%
US50	Remove Harmful Content	Medium	M03: Questions Management & M04: Answers Management & M05: Comments Management	Rodrigo de Sousa	100%
US51	Moderate users in the community	Medium	M01: User Management	Pedro Santos	100%
US52	Check reported Answers	Medium	M03: Questions Management & M04: Answers Management & M05: Comments	Pedro Santos	100%

			Management		
US53	Edit Question Tags	Medium	M03: Questions Management & M06: Tags Management	Rodrigo de Sousa	100%
US54	See Notifications	Medium	M08: Notifications	Afonso Castro	100%
US55	See Flags	Medium	M08: Notifications	Afonso Castro	100%

A10: Presentation

This artefact goes through the presentation of the product, including a brief presentation of the product and its main features, a video presentation, and a revision history.

1. Product presentation

Our application is a cooperative Q&A in which each and every user is encouraged to post questions and answer existing ones with useful information. This is because in 4nswers there is a gamification system which allows users to earn *aura* while being useful to the community and climb the ranks of the 4nswers Hall of Fame. Aura is awarded to answers the community reviewed as overall positive and to questions that incentivize a healthy discussion.

Users can enhance their experience in our website by following tags of their interest, which allows for the use of the 4U page, or by following questions that spike their curiosity in a special way, to keep up to date with the answer that ultimately is deemed as useful.

You can find the website [here](#).

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.

Revision history

Changes made to the first submission:

1. ...

GROUP24112, 22/12/2024

- Afonso Castro, [up202208026@up.pt](#)
- Leonor Couto, [up202205796@up.pt](#)
- Pedro Santos, [up202205900@up.pt](#)
- Rodrigo de Sousa, [up202205751@up.pt](#) (editor)