

A10 – Product Delivery

Vici is a one of a kind web application that seeks to help all kinds of organizations and individuals reach their highest potential, by assisting in the organization of projects. Besides being a project management tool, *Vici* includes the possibility to add contacts to your list and share content with a limited group within a project. So much more than a project management system, so much more than a social network, *Vici* combines all that you need for your professional life in one beautiful and easy to use package. What more could you want?

1. Installation

Github release: <https://github.com/TeresaValerio/LBAW1734/releases/tag/Final>

Full docker command: `docker run -it -p 8000:80 -e DB_DATABASE='postgres' -e DB_USERNAME='postgres' -e DB_PASSWORD='pg!fcp' lbaw1734/lbaw1734`

2. Usage

Link to website: <http://lbaw1734.lbaw-prod.fe.up.pt/>

2.1. Administration Credentials

- Username: TeresaValerio;
- E-mail: up201405655@fe.up.pt;
- Password: teresaMaya19.

2.2. User Credentials

- Username: FiSoares45;
- E-mail: fi1996@gmail.com;
- Password: Glsn36d.

3. Application Help

In terms of help, we developed two methods. First, the error messages shown when a user doesn't fill out a form correctly. If the user tries to submit a form with one of the input areas wrong or non-existent, the system will alert the user and display a warning near the field in question. Second of all, we developed a FAQ (Frequently Asked Questions) page, in order to answer some of the users most common questions. Given the launch of the website, this page could be improved, based on user feedback.

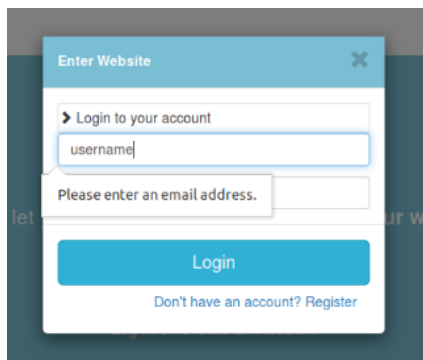


Figure 1: Example of error message as a contextual help for users to understand what is needed in certain inputs.

4. Input Validation

For input validation, 3 main levels were used. First, the database itself has constraints associated with the several tables and fields. This means that no value can be inserted in the database without first suffering a screening to check that it doesn't violate any constraints. The second level is in the php code, present in several classes of the Laravel framework. Here, we can check if certain important values match what needs to be inserted in the table. The simplest example of this is setting a variable as required, only letting the system to attempt an insertion in the database if said variable is not null. Finally, even the HTML code, used for views, performs input validation. Every input field can be associated to a type of input (text, date, e-mail, ...), and only accepts that type of input, not sending it to the controllers if it isn't according to what was predetermined. Combined, these methods allow us to make sure no unwanted data is inserted into the database.

5. Check Accessibility and Usability

In terms of accessibility, the application scored a 17 out of 18 possible points. The only aspect that lacked in the application was the readability without CSS. Due to the high number of graphics, images and modals, turning off the CSS makes the website very hard to read.

On the other hand, in terms of usability, the website checked 22 out of 28 boxes. In this case, the major problem was adaption to other types of devices, other than PC, and lack of optimization.

The results of both tests are in annex.

6. HTML & CSS Validation

For the validation of HTML and CSS code, we used W3C tools developed for that end. Since we had the opportunity to correct most of the mistakes in the code, almost no warnings or errors were detected. The results of the pages that generated either one are in annex.

7. Revisions to the Project

First, there were a few changes made throughout the process of development of the project. Some user stories were dropped and some were added. The initial idea of having a specific server for each company that used Vici was dropped, due to its complexity. However, we added the chance for a user to have several profile and project pictures loaded in the website and to add contacts to a contact list. These additions

On the other hand, there were several user stories that, although still in the user story list and very much useful, we did not have the time to implement. These include all the administration pages, all updates made to the task table and a few search possibilities (search my boards, search my projects).

Finally, there was one user story (US206) that ended up being implemented, but in a different way that previously imagined. US206 – Search public projects, initially referred to unauthenticated users being able to access all public projects of the website. However, we found that that wasn't adequate, and so implemented the same feature, but only accessible through a logged-in account.

8. Implementation details

8.1. Libraries Used

No library was used.

8.2. User Stories

Module	US Identifier	Name	Priority	Team member	State
M01	US101	Sign - up	High	Teresa Valério	100%
	US102	Log - in	High	Teresa Valério	100%
	US201	Profile	High	Inês Gonçalves, Teresa Valério	100%
	US202	Created projects	High	Sara Gomes	100%
	US203	Projects working	High	Sara Gomes	100%
	US207	Log out	High	Teresa Valério	100%
	US208	Delete account	High	Teresa Valério	100%
	US209	Add contact	Medium	Inês Gonçalves, Sara Gomes	100%
	US210	View personal calendar	Medium	Teresa Valério	100%
	US211	Change settings	Medium	Teresa Valério	90%
	US212	View contact list	Medium	Inês Gonçalves	100%
	US213	Search my projects	Low	Sara Gomes	5%
M02	US204	Create project	High	Sara Gomes, Teresa Valério	100%
	US205	Project info	High	Inês Gonçalves	90%
	US214	View project calendar	Medium	Teresa Valério	100%
	US215	View project team	Medium	Inês Gonçalves	100%
	US216	Search team	Low	Sara Gomes	100%
	US217	View boards	High	Inês Gonçalves	100%
	US218	Search boards	Low	Sara Gomes	5%
	US306	Forum	Medium	Inês Gonçalves, Sara Gomes	100%
	US403	Team	High	Inês Gonçalves, Sara Gomes	80%
	US410	Privacy	Low	Sara Gomes	100%
	UI414	Deadline	Medium	Sara Gomes	100%

	UI415	Description	Medium	Sara Gomes	100%
M03	US409	Create board	High	Sara Gomes	100%
	US411	Add board workers	Medium	Sara Gomes	100%
	US412	View board tasks	High	Inês Gonçalves	100%
	US413	Search tasks	Low	Sara Gomes	5%
M04	US301	Create task	High	Sara Gomes	100%
	US302	Close task	High	Teresa Valério	0%
	US303	Update task	High	Teresa Valério	0%
	US304	Comment	High	Inês Gonçalves	0%
	US305	Upload file	High	Inês Gonçalves	0%
	US401	Deadline	Low	Sara Gomes	100%
	US402	Budget	Low	Sara Gomes	100%
	US404	Meeting	Medium	Sara Gomes	100%
	US407	Delete task	High	Inês Gonçalves	0%
	US408	Archive task	High	Teresa Valério	0%
M05	US505	Delete user	Low	Teresa Valério	0%
	US503	User list	High	Teresa Valério	0%
	US507	Send notification	Low	Teresa Valério	0%
	US508	Change permissions	Low	Sara Gomes	0%
	US509	Search users	Low	Inês Gonçalves	0%
M06	US502	All project list	High	Inês Gonçalves	0%
	US510	Search projects	Low	Inês Gonçalves	0%
	US501	Archive project	Medium	Teresa Valério	0%
	US504	Delete project	Low	Teresa Valério	0%
M07	US001	Home page	High	Inês Gonçalves	100%
	US002	About page	High	Inês Gonçalves	100%
	US003	Project list	High	Inês Gonçalves	100%
	US004	Contacts	High	Inês Gonçalves	100%
	US206	Search public projects	Low	Sara Gomes	100%

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