

# PA - Product and Presentation

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## A9: Product

During the project development, our focus was on creating a Project Management website using the powerful Laravel tool. This website, TaskSquad, provides a dynamic platform that allows users to create projects and add specific tasks to them. The system also enables comments related to tasks, facilitating communication and collaboration among team members. The primary goal was to create an intuitive and efficient interface that promotes organization and detailed monitoring of each stage of the projects developed.

### 1. Installation

Source code can be found [here](#).

```
composer install

sudo docker run -it -p 8000:80 --name=lbaw2373 -e DB_DATABASE="lbaw2373" -e
DB_SCHEMA="lbaw2373" -e DB_USERNAME="lbaw2373" -e DB_PASSWORD="PlGstmQs"
git.fe.up.pt:5050/lbaw/lbaw2324/lbaw2373

# You can now view the web app at https://localhost:8000 as the website cannot be
put in production by our group.
```

### 2. Usage

URL to the product: <https://lbaw2373.lbaw.fe.up.pt/>

#### 2.1. Administration Credentials

Email	Password
bob@example.com	1234

#### 2.2. User Credentials

Type	Username	Password
User/Project Member	david@lbaw.com	1234
User/Project Member	alice@lbaw.com	1234

### 3. Application Help

We put in a lot of effort to create an app that is easy to understand and use. In addition to that, we also added some accessibility features. For instance, all the input fields have a label or placeholder that clearly indicates what kind of information is required in that particular field.

## 4. Input Validation

Whenever a user inputs data, it is verified through two methods: on the server and, if necessary, on the client-side as well.

For instance, when a user attempts to create a project, both types of validation are employed. The client-side validation ensures that the delivery date selected by the user is not later than the current date. Additionally, it prevents the user from creating a task with a blank title.

## 5. Check Accessibility and Usability

Checklists can be seen by clicking the links:

[Accessibility](#)

[Usability](#)

## 6. HTML & CSS Validation

The results of the validation of the HTML and CSS code: HTML: [Html Validator](#) CSS: [Css Validator](#)

## 7. Revisions to the Project

No structural changes were made to the project. That being said, some changes were made in the database to accommodate Laravel's functional requirements, such as:

```
Creating a table for password resetting using Laravel's built-in functions
Deleting all the notifications tables because our webstie doesn't have
notifications implemented
Creating a table for members projects called is_member
Adding a row to the User's table to allow for remember password in login
Adding deleted_at rows to tables where we use Laravel's Soft Delete function
Adding a search and photo to user Table
Creating a table called inviteProject for all the invites
Creating a table called favorite for all the favorites
After discussing with the teacher we decided to remove Administration table from
the database. Administrators are now identified by a flag in the Users table
```

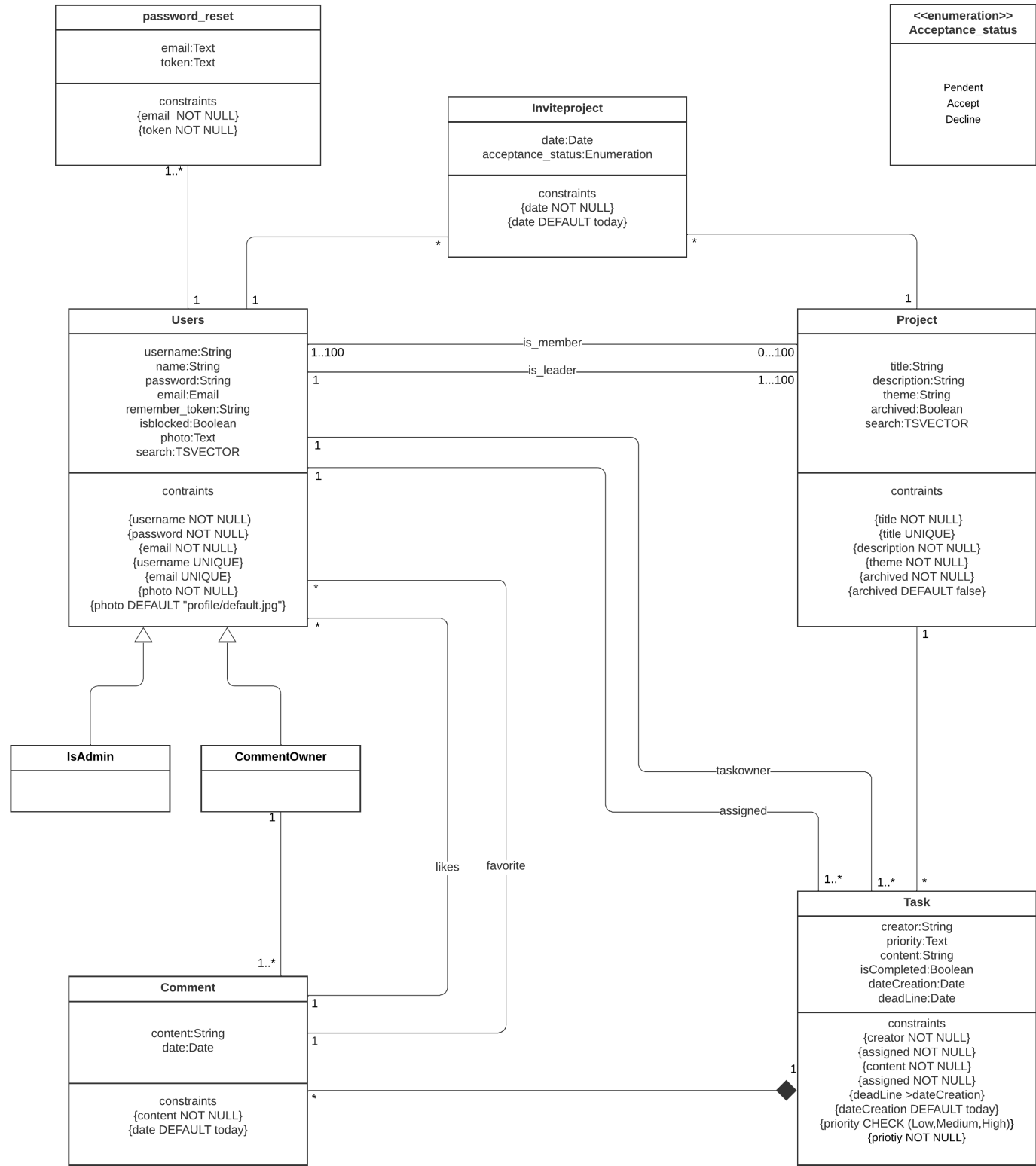


Figure 1: New UML

8. Implementation Details

8.1. Libraries Used

The only library we used was FontAwesome, to use icons in our project. Documentation can be found [here](#).

8.2 User Stories

US Identifier	Name	Module	Priority	Team Members	State
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US Identifier	Name	Module	Priority	Team Members	State
US01	Sign-in	M02	High	David	100%
US02	Sign-up	M02	High	David	100%
US03	Recover Password	M02	Medium	David, Sofia	100%
US12	Home	M03	High	David	100%
US13	About Us	M01	Low	David	100%
US13	Contacts	M01	Low	David	100%
US21	Create Project	M03	High	David	100%
US22	View my Projects	M03	High	David, Sofia	100%
US23	Delete Account	M03	High	David	100%
US24	View Profile	M03	High	David, Sofia	100%
US25	Edit Profile	M03	High	David	100%
US26	Manage Project Invitation	M03	Medium	David, Sofia	100%
US27	Mark Project as Favorite	M04	Low	David	100%
US31	Administer User Accounts	M06	High	David	100%
US32	Browse Projects	M03	High	David, Sofia	100%
US33	View Project Details	M04	High	David	100%
US34	Block or Unblock accounts	M06	Low	David	100%
US41	Create Task	M05	High	David	100%
US42	Manage Tasks	M05	High	David, Sofia	100%
US43	View Task Details	M05	High	David, Sofia	100%
US44	Complete an Assigned Task	M05	High	David	100%
US45	Search Tasks	M05	High	David	100%
US46	Assign Users to Tasks	M05	High	David	100%
US47	Leave Project	M04	High	David	100%
US411	Comment on Task	M05	Medium	David, Sofia	100%
US412	View Project Team	M04	Medium	David	100%
US413	View Team Members Profiles	M04	Medium	David, Sofia	100%
US51	Add User to Project	M04	High	David	100%
US52	Assign New Leader	M04	Low	David	100%
US53	Edit Project Details	M04	Low	David, Sofia	100%

US Identifier	Name	Module	Priority	Team Members	State
US54	Assign Task to Member	M05	Low	David	100%
US55	Remove Project Member	M04	Low	David	100%
US56	Archive Project	M04	Low	David	100%

#### 8.2.1 Additional User Stories

US Identifier	Name	Module	Priority	Team Members	State
US28	Support Profile Picture	M03	Medium	David, Sofia	100%
US425	like on comment	M05	Low	David	100%
US510	Delete Member	M04	High	David	100%
US48	Delete Project	M04	High	David	100%
US63	Edit comment on Task	M05	Medium	Sofia, David	100%
US64	Delete Comment	M05	Low	David	100%
US64	Delete Task	M05	High	David	100%
US65	Edit Task	M05	High	David	100%
US28	Delete Profile	M03	High	David	100%

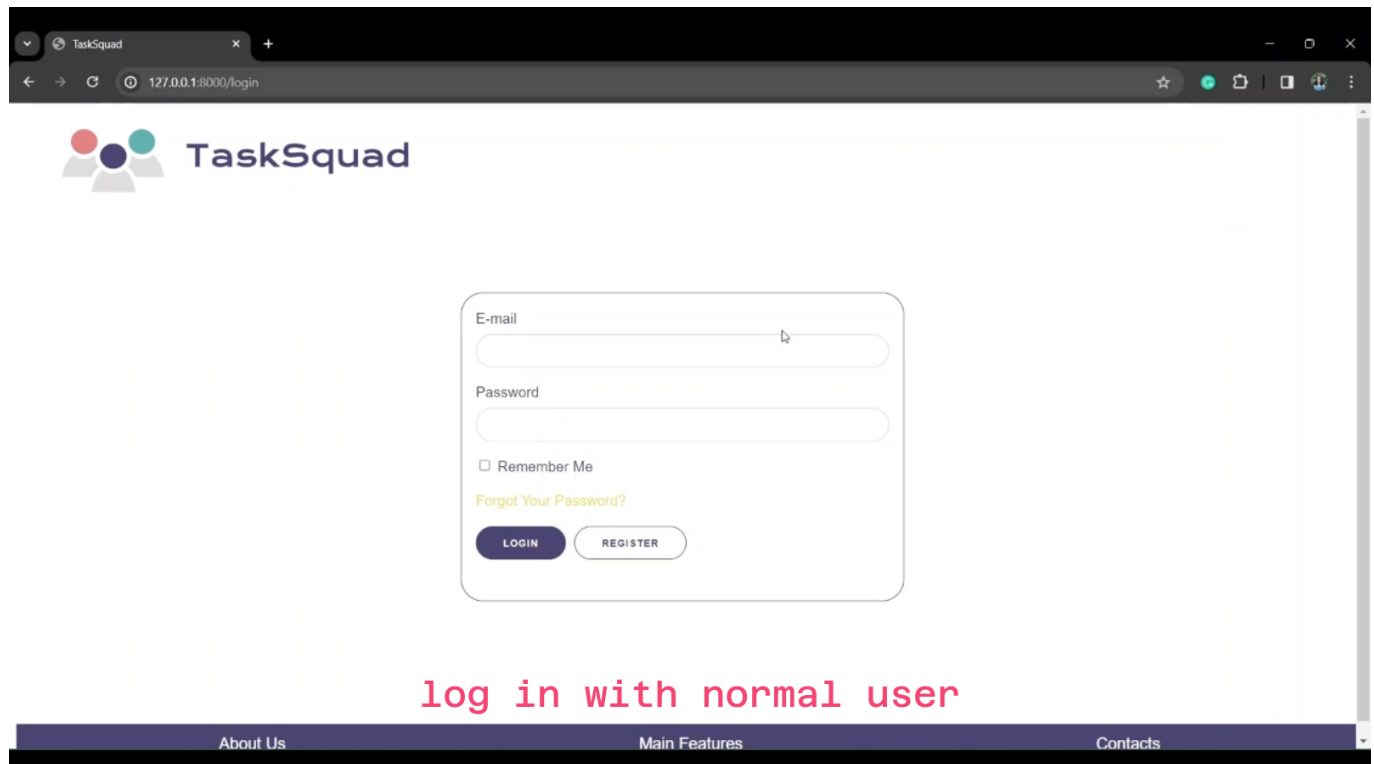
## A10: Presentation

### 1. Product presentation

We have developed a web application for project management that includes notification systems, work assignment and management, and a forum to facilitate better communication among project members. Our application is suitable for both personal and professional use.

URL to the product: <https://lbaw2373.lbaw.fe.up.pt/>

### 2. Video presentation



[Link to the video](#)

Revision history

GROUP2373, 21/12/2023

David dos Santos Ferreira , up202006302@fc.up.pt  
Ana Sofia Oliveira Teixeira , up201806629@fe.up.pt (Editor)