

# PA: Product and Presentation

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The project's goal was to create a social network that could unite geeks across the world, with a particular focus on groups to allow people with common interests to come together.

## A9: Product

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**Infra** is an easy to use social network that connects people.

### 1. Installation

The tag can be found [here](#).

The following command starts the Docker image:

```
docker run -it -p 8000:80 --name=lbaw2192 -e DB_DATABASE="lbaw2192" -e DB_SCHEMA="lbaw2192" -e DB_USERNAME="lbaw2192" -e DB_PASSWORD="MruhkTY1" git.fe.up.pt:5050/lbaw/lbaw2122/lbaw2192
```

### 2. Usage

The final product can be found at: <http://lbaw2192.lbaw.fe.up.pt>

#### 2.1. Administration and Credentials

An administrator logs in the same way as a regular user. There are a few pages only available to admins:

- View and administer all users: <http://lbaw2192.lbaw.fe.up.pt/users>
- View and administer all groups: <http://lbaw2192.lbaw.fe.up.pt/groups>
- View and administer all posts: <http://lbaw2192.lbaw.fe.up.pt/posts>

Otherwise an admin enjoys increased permissions throughout the platform.

Email	Password
lbaw2192@gmail.com	pass

#### 2.2. User Credentials

Type	Email	Password
Moderator ( <a href="http://lbaw2192.lbaw.fe.up.pt/groups/2">http://lbaw2192.lbaw.fe.up.pt/groups/2</a> )	t@t.t	pass
Regular User	d@d.d	pass

### 3. Application Help

For application help we have a [FAQ page](#). It shows how to register an account and create a post.

## 4. Input Validation

### Client Side

There are required fields in all forms presented to the user.

### Server Side

When registering, logging in, and editing a user account certain fields are checked like the file type of the images, the age of the user and length of the password. When creating a new password we also check if the password field and the confirm password field are the same.

## 5. Check Accessibility and Usability

### 5.1. Accessibility

We scored **11/18**. The PDF can be found [here](#).

### 5.2. Usability

We scored **22/28**. The PDF can be found [here](#).

## 6. HTML & CSS Validation

### 6.1. HTML

The HTML validation report can be found [here](#).

### 6.2. CSS

The CSS validation report can be found [here](#).

## 7. Revisions to the Project

Since the requirements specification stage we have implemented features related to interactions between users, friend requests can now be sent and handled as can membership requests and invites. A user can now also see their notifications, a moderators on a group can also see the groups notifications. Furthermore the search features on the website have also been improved. The general user experience on the site has also been improved by the use of anchors to other pages on the site and pages that describe why a user can't access a resource.

## 8. Implementation Details

### 8.1. Libraries Used

We used **Bootstrap**.

### 8.2. User Stories

Identifier	Name	Module	Priority	State	Team Members
US11	See Welcome Screen	M05	high	100%	Diogo Mendes
US12	Consult Contacts	M05	high	100%	Diogo Mendes
US13	See About Us	M05	high	100%	Diogo Mendes
US14	See FAQ	M05	high	100%	Tiago Rodrigues, André Flores, Diogo Faria
US21	Sign-in	M01	high	100%	Diogo Mendes
US22	Sign-up	M01	high	100%	Diogo Mendes, André Flores
US23	Search for Public Groups	M06	high	100%	Diogo Faria
US24	Search for Public Profiles	M06	high	100%	Diogo Faria
US25	View Public Groups	M02	high	100%	Tiago Rodrigues
US26	View Public Profiles	M01	high	100%	Diogo Mendes
US27	View Public Timeline	M01	high	100%	Tiago Rodrigues
US28	Recover Password	M01	high	95%	Diogo Mendes
US301	Publish Post	M03	high	100%	André Flores
US302	Delete Post	M03	high	100%	André Flores
US303	Edit Post	M03	high	100%	André Flores
US304	View User Profile	M01	high	100%	Diogo Mendes
US305	Consult Feed	M01	high	100%	Tiago Rodrigues
US306	Like Post	M03	high	100%	André Flores
US307	Comment Post	M03	high	100%	André Flores
US308	Remove Like From Post	M03	high	100%	André Flores
US309	Remove Comment From Post	M03	high	100%	André Flores
US310	Edit Comment	M03	high	100%	André Flores
US311	Like Comment	M03	high	100%	André Flores
US312	Remove Like From Comment	M03	high	100%	André Flores
US313	Search for User	M06	high	100%	Diogo Faria
US314	Search for Group	M06	high	100%	Diogo Faria
US315	Search for Post	M06	high	100%	Diogo Faria
US316	Search for Comment	M06	high	95%	Diogo Faria

Identifier	Name	Module	Priority	State	Team Members
US317	Log Out	M01	high	100%	<b>Diogo Mendes</b>
US318	Delete Account	M01	high	100%	<b>Diogo Faria, André Flores</b>
US319	View Personal Notifications	M04	high	100%	<b>André Flores, Diogo Mendes</b>
US322	Search Filters and Sorting	M06	high	100%	<b>Diogo Faria</b>
US401	Profile	M01	high	100%	<b>Diogo Mendes</b>
US402	Edit Profile	M01	high	100%	<b>Diogo Mendes</b>
US403	Create Group	M02	high	100%	<b>Tiago Rodrigues</b>
US404	Manage Group Invitation	M02	high	100%	<b>André Flores, Diogo Mendes</b>
US405	Send Friend Requests	M01	high	100%	<b>Diogo Mendes</b>
US406	Manage Received Friend Requests	M01	high	100%	<b>André Flores, Diogo Mendes</b>
US407	Remove Friends	M01	high	100%	<b>Diogo Mendes</b>
US412	Request to Join Private Group	M02	high	100%	<b>Tiago Rodrigues</b>
US413	Join Public Group	M02	high	5%	<b>Tiago Rodrigues</b>
US51	Make a Post in Group	M02	high	100%	<b>Tiago Rodrigues, André Flores</b>
US52	View Group Members	M02	high	100%	<b>Tiago Rodrigues</b>
US53	Leave Group	M02	high	5%	<b>Tiago Rodrigues</b>
US61	Invite/Remove User from Group	M02	high	55%	<b>Tiago Rodrigues</b>
US62	Remove any Post from Group	M02	high	100%	<b>André Flores</b>
US63	Remove any Comment on Post on Group	M02	high	100%	<b>André Flores</b>
US64	Delete Group	M02	high	100%	<b>Tiago Rodrigues, André Flores</b>
US65	Alter Group Information	M02	high	5%	<b>Tiago Rodrigues</b>
US71	See All Profiles	M05	high	100%	<b>André Flores</b>
US72	See All Groups	M05	high	100%	<b>André Flores</b>
US73	Remove Post	M05	high	100%	<b>André Flores</b>
US74	Remove Comment	M05	high	100%	<b>André Flores</b>

Identifier	Name	Module	Priority	State	Team Members
US75	Remove Group	M05	high	100%	<b>Tiago Rodrigues</b> , André Flores
US76	See All Posts	M05	medium	100%	<b>André Flores</b>
US408	View Friends' Feed	M01	medium	0%	
US409	Request to Join Public Group	M02	medium	0%	
US76	Ban a User	M05	medium	100%	<b>André Flores</b> , Diogo Faria
US320	Chat with other users	M01	low	0%	
US321	Share Post	M03	low	70%	<b>André Flores</b>
US410	Tag Friends in Post	M03	low	100%	<b>André Flores</b>
US411	Tag Friends in Share	M03	low	100%	<b>André Flores</b>
US66	Pin Post on Group	M02	low	0%	
US67	Pin Comment on Post	M02	low	0%	

- US28 - Works in the test environment but in the production environment the error *error:1416F086:SSL routines:tls\_process\_server\_certificate:certificate verify failed* occurs

## A10: Presentation

### 1. Product presentation

Infra is a social network with a focus on groups. A user can make posts on it, share other posts also comment on theirs and other user's posts and shares. A user can create groups and join other groups. Posts and comments can also be made specifically in a group. Users can also create friendships, a user will their friends' posts on their personal timeline (a user can only interact with a private user if they are their friend). User's may also interact with user content by liking and unliking it. A user will receive and be able to interact with notifications about various interactions (friend requests, likes on posts, etc.). Groups have moderators and there are also site-wide administrators capable of ensuring a good experience for all users on the platform. There are also powerful search capabilities on the site.

### 2. Video Presentation

The video presentation can be found [here](#).

## Revision history

GROUP2192, 21/01/2022

- André de Jesus Fernandes Flores, up201907001@edu.fe.up.pt
- Diogo Luís Araújo de Faria, up201907014@edu.fe.up.pt
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