

EAP: Architecture Specification Prototype

This project's aim is to create a social network to united geeks. This prototype demonstrates some of the most basic and important functionalities of the social network.

A7: Web Resources Specification

This artifact presents the the web resources organized in modules specified in the project's OpenAPI. It also includes the various permissions they use.

1. Overview

Designation	Description
M01: Authentication and User Profile	Module related to user authentication and profile management. Includes: login/logout/registration, view and edit profile information, view and edit friendships.
M02: Group	Module related to groups. Includes: create and delete groups, view and edit group information, view and edit members and their roles.
M03: User Content	Module related to content generated by users, like posts, comments and shares. Includes: create and delete user content, view and edit user content, interactions with user content.
M04: Notifications	Module related to notifications. Includes: view and interact with notifications.
M05: Administration and Static Pages	Includes: management of users, groups and user content, static pages for information like 'Contact Us' and 'About Us'.
M06: Search	Module related to search functionalities, like searching for users, groups or posts.

2. Permissions

Identification	Name	Description
PUB	Public	Non-authenticated users
USR	User	Authenticated users
OWN	Owner	Owners of information (own content, profiles)
MOD	Moderator	Group moderators
ADM	Administration	Site-wide administrators

3. OpenAPI

The OpenAPI specification can be found [here](#)

A8: Vertical Prototype

This artifact aims to showcase a basic version of the website's functionalities.

1. Implemented Features

1.1 User Stories

Identifier	Name	Priority	Description
US11	See Welcome Screen	high	As a <i>User</i> , I want to be able to access the welcoming page, so that I can see a brief showcase of the platform
US21	Sign-in	high	As a <i>Guest</i> , I want to be able to sign-in, so that I can access privileged information.
US22	Sign-up	high	As a <i>Guest</i> , I want to be able to sign-up, so that I can sign-in to the network.
US23	Search for Public Groups	high	As a <i>Guest</i> , I want to be able to search for public groups, so that I can find those that might interest me.
US24	Search for Public Profiles	high	As a <i>Guest</i> , I want to be able to view public posts, so that I can find like-minded users or those to contact.
US25	View Public Groups	high	As a <i>Guest</i> , I want to be able to view public groups, so that I can see content that may interest me.
US26	View Public Profiles	high	As a <i>Guest</i> , I want to be able to view public profiles, so that I can find information on users, such as their contact information and picture.
US27	View Public Timeline	high	As a <i>Guest</i> , I want to be able to view a public timeline, so that I can see general content that may be interest me
US301	Publish Post	high	As an <i>Authenticated User</i> , I want to write and publish a post containing my thoughts, pictures or links and share with others
US302	Delete Post	high	As an <i>Authenticated User</i> , I want to delete a post I published in case it contains misleading information
US303	Edit Post	high	As an <i>Authenticated User</i> , I want to edit a post I published in case I made a mistake and want to correct it
US304	View User Profile	high	As an <i>Authenticated User</i> , I want to view another user's profile so I can see posts and details
US305	Consult Feed	high	As an <i>Authenticated User</i> , I want to consult my feed, so that I can see post within my interests
US306	Like Post	high	As an <i>Authenticated User</i> , I want to like a post, so that I can express my feelings

Identifier	Name	Priority	Description
US307	Comment Post	high	As an <i>Authenticated User</i> , I want to comment a post, so that I can express my thoughts about the post
US308	Remove Like From Post	high	As an <i>Authenticated User</i> , I want to remove a like from a post, in case of my latest feelings about the post
US309	Remove Comment From Post	high	As an <i>Authenticated User</i> , I want to remove a comment from a post
US310	Edit Comment	high	As an <i>Authenticated User</i> , I want to edit comment in case I made a mistake and want to correct it
US311	Like Comment	high	As an <i>Authenticated User</i> , I want to like a comment so that i can express my feelings about a comment
US312	Remove Like From Comment	high	As an <i>Authenticated User</i> , I want to remove a like from a comment so that I can express my last feelings about the comment
US313	Search for User	high	As an <i>Authenticated User</i> , I want to search for a user, so that I can see that user's profile
US314	Search for Group	high	As an <i>Authenticated User</i> , I want to search for a group, so that I can find a group related to my interests
US317	Log Out	high	As an <i>Authenticated User</i> , I want to be able to log out, so that I can get out of my profile in public computers
US321	Share Post	low	As an <i>Authenticated User</i> , I want to share a post from another user to reach people watching my feed or in a group
US401	Profile	high	As a <i>Geek</i> , I want to have a profile, so that I share it with others.
US410	Tag Friends in Post	low	As an <i>Authenticated User</i> , I want to tag friends in post so that they can see the post
US52	View Group Members	high	As a <i>Group Member</i> , I want to be able to see other members of the group, so I can connect with them

1.2 Implemented Web Features

Module 01: Authentication and User Profile

Web Resource Name	URL
R100: Landing Page	http://lbaw2192.lbaw.fe.up.pt/
R101: Login Page	http://lbaw2192.lbaw.fe.up.pt/login
R102: Post Login Form	http://lbaw2192.lbaw.fe.up.pt/login

Web Resource Name	URL
R103: Logout	http://lbaw2192.lbaw.fe.up.pt/logout
R104: Register Page	http://lbaw2192.lbaw.fe.up.pt/register
R105: Post Register Form	http://lbaw2192.lbaw.fe.up.pt/register
R108: User Profile Page	http://lbaw2192.lbaw.fe.up.pt/users/{user}
R109: Profile Page	http://lbaw2192.lbaw.fe.up.pt/profile
R110: Edit Profile Page	http://lbaw2192.lbaw.fe.up.pt/profile/edit
R111: Post Edit Profile Form	http://lbaw2192.lbaw.fe.up.pt/profile/edit
R116: Home Page (Timeline)	http://lbaw2192.lbaw.fe.up.pt/home

Module 02: Groups

Web Resource Name	URL
R203: Group Page	http://lbaw2192.lbaw.fe.up.pt/groups/{group}

Module 03: User Content

Web Resource Name	URL
R301: View User Content Page	http://lbaw2192.lbaw.fe.up.pt/user_content/{id}
R302: View Post Page	http://lbaw2192.lbaw.fe.up.pt/posts/{id}
R303: View Comment Page	http://lbaw2192.lbaw.fe.up.pt/comments/{id}
R304: View Share Page	http://lbaw2192.lbaw.fe.up.pt/shares/{id}
R305: Create Post Page	http://lbaw2192.lbaw.fe.up.pt/posts/create
R306: Post Create Post Form	http://lbaw2192.lbaw.fe.up.pt/posts
R307: Post Create Comment Form	http://lbaw2192.lbaw.fe.up.pt/comments
R308: Post Create Share Form	http://lbaw2192.lbaw.fe.up.pt/shares
R309: Create Share Page	http://lbaw2192.lbaw.fe.up.pt/posts/[post]/share
R310: Post Create Like Form	http://lbaw2192.lbaw.fe.up.pt/api/likes
R311: Delete Like	http://lbaw2192.lbaw.fe.up.pt/api/likes

Module 06: User Content

Web Resource Name	URL
R601: Search Results Page	http://lbaw2192.lbaw.fe.up.pt/search

Web Resource Name	URL
R601: Search Users	http://lbaw2192.lbaw.fe.up.pt/api/search/users

2. Prototype

The prototype may be found at <http://lbaw2192.lbaw.fe.up.pt>, all implemented features may be tested with the user with the email *a@a.a* and password *pass*. The code for the prototype may be found [here](#)

Revision history

GROUP2192, 10/11/2021

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