

EAP: Architecture Specification and Prototype

AltArt aims to provide an aesthetically pleasing collaborative news website, without information explosion, that allows people who have the same interests in music, literature and the arts to come together to connect and share opinions.

A7: High-level architecture. Privileges. Web resources specification

This artifact aims to describe the architecture of our web application. It includes the modules and their description, the existing permission types and the OpenAPI standard specification using YAML.

1. Overview

Identification and description of the modules.

Modules	Description
M01: Authentication and Individual Profile	Web resources associated with user authentication and individual profile management, includes features such as: login/logout, register, password recovery, view and edit personal profile information, eliminate account, edit account, remove followed tags and preferences.
M02: Post	Web resources associated with posts. Includes the following features: create post, edit post, delete post, report post, view post, like/dislike post as well as removing like/dislike, add/delete bookmark.
M03: Comment	Web resources associated with comments. Includes features such as adding comment, editing a comment, deleting a comment, comment a comment, like/dislike a comment as well as removing like/dislike, report a comment
M04: Notification	Web resources associated with notifications. Includes features as viewing and mark as viewed.
M05: Search	Web resource associated with the search of the websites' content.
M06: Static pages	Web resources associated with static content. This includes features such as submitting a support request and viewing the About us and FAQ pages.
M07: Administration	Web resources associated with managing user roles, reports, and support requests. This includes features such as: view role, edit role, delete the post/comment, or ignoring the report and view support requests.

2. Permissions

Definition of the existing permissions necessary to access data and features.

	Permission	Description
PUB	Public	Unauthenticated user (visitors), can register itself, sign-in in the system and consult information
USR	User	Authenticated user, can sign out, delete and edit account, consult information and interact with it by voting on it or leaving comments
OWN	Owner	Users that are owners of information (e.g. own profile, own post, own comment, ...)
MOD	Moderator	Authenticated user with moderator privileges, can manage reports
ADMIN	Administrator	System Manager, can change other users' roles

3. Modules

OpenAPI specification in YAML format to describe the web application's web resources.

See the .yaml file [here](#).

See the Swagger generated documentation [here](#).

```
openapi: 3.0.0

info:
  version: 1.0.0
  title: 'LBAW AltArt Web API'
  description: 'Web Resources Specification (A7) for AltArt'

servers:
- url: http://lbaw2123.lbaw-prod.fe.up.pt/
  description: Production server

externalDocs:
  description: Find more info here.
  url: https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/eap

tags:
- name: 'M01: Authentication and Individual Profile'
- name: 'M02: Post'
- name: 'M03: Comment'
- name: 'M04: Notification'
- name: 'M05: Search'
- name: 'M06: Static pages'
- name: 'M07: Administration'

paths:
  /login:
    get:
```

```

    operationId: R101
    summary: 'R101: Login Form'
    description: 'Provide login form. Access: PUB'
    tags:
      - 'M01: Authentication and Individual Profile'
    responses:
      '200':
        description: 'Ok. Show [UI09]'
        (https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui09-login)'

  post:
    operationId: R102
    summary: 'R102: Login Action'
    description: 'Processes the login form submission. Access: PUB'
    tags:
      - 'M01: Authentication and Individual Profile'

    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              username:
                type: string
              password:
                type: string
            required:
              - username
              - password

    responses:
      '302':
        description: 'Redirect after processing the login credentials.'
        headers:
          Location:
            schema:
              type: string
            examples:
              302Error:
                description: 'Failed authentication. Redirect to login
form.'
                value: '/login'

  /logout:
    post:
      operationId: R103
      summary: 'R103: Logout Action'
      description: 'Logout the current authenticated user. Access: USR'
      tags:
        - 'M01: Authentication and Individual Profile'
      responses:
        '302':
          description: 'Redirect after processing logout.'
          headers:
            Location:
              schema:

```

```

        type: string
      examples:
        302Success:
          description: 'Successful logout. Redirect to homepage.'
          value: '/'

/register:
  get:
    operationId: R104
    summary: 'R104: Register Form'
    description: 'Provide new user registration form. Access: PUB'
    tags:
      - 'M01: Authentication and Individual Profile'
    responses:
      '200':
        description: 'Ok. Show [UI10]'
        (https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui10-register)'

  post:
    operationId: R105
    summary: 'R105: Register Action'
    description: 'Processes the new user registration form submission. Access:
PUB'
    tags:
      - 'M01: Authentication and Individual Profile'

    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              email:
                type: string
              username:
                type: string
              name:
                type: string
              birthdate:
                type: string
              password:
                type: string

            required:
              - email
              - username
              - name
              - birthdate
              - password

    responses:
      '302':
        description: 'Redirect after processing the new user information.'
        headers:
          Location:
            schema:
              type: string

```

```

examples:
  302Success:
    description: 'Successful authentication. Redirect to user
profile.'
    value: '/users/{id}'
  302Failure:
    description: 'Failed authentication. Redirect to register
form.'
    value: '/register'

/user/{id}:
  get:
    operationId: R106
    summary: 'R106: View User Profile'
    description: 'Provide user profile. Access: USR'
    tags:
      - 'M01: Authentication and Individual Profile'
    parameters:
      - in: path
        name: id
        schema:
          type: integer
        required: true

    responses:
      '200':
        description: 'ok. Show [UI06]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui06-users-profile)'
        content:
          application/json:
            schema:
              type: array
            items:
              type: object
            properties:
              name:
                type: string
              username:
                type: string
              bio:
                type: string
              instagram:
                type: string
              twitter:
                type: string
              linkedin:
                type: string
              facebook:
                type: string
              profile_photo:
                type: string
              number_followers:
                type: integer
              number_following:
                type: integer
              number_likes:
                type: integer
              posts:

```

```
      type: array
      items:
        type: string
        nullable: true
    example:
      - name: "Ana Sousa"
        username: "anasousa"
        bio: "Hi!"
        instagram: https://www.instagram.com/
        twitter: https://www.twitter.com/
        linkedin: https://www.linkedin.com/
        facebook: https://www.facebook.com/
        profile_photo: null
        number_followers: 0
        number_following: 20
        number_likes: 0
        posts: null
```

```
'404':
  description: 'Page not found: Show page not found UI'
```

delete:

```
  operationId: R107
  summary: "R107: Delete account action"
  description: "Delete account. Access: OWN"
  tags:
    - 'M01: Authentication and Individual Profile'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
```

responses:

```
  '302':
    description: 'Redirect after deleting user.'
    headers:
      Location:
        schema:
          type: string
        examples:
          302Success:
            description: 'Successful account deletion. Redirect to homepage.'
            value: '/'
  '403':
    description: 'Forbidden client: show no permission UI.'
```

/api/user/{id}/follow:

```
  post:
    operationId: R108
    summary: "R108: Follow user action"
    description: "Follow user. Access: USR"
    tags:
      - 'M01: Authentication and Individual Profile'
    parameters:
      - in: path
```

```
    name: id
    schema:
      type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            user_id:
              type: integer
              required: true
          - user_id
  responses:
    '200':
      description: 'Ok, followed user'
    '400':
      description: 'Error following user'
    '403':
      description: 'Forbidden client: show no permission UI.'
```

delete:

```
  operationId: R109
  summary: 'R109: Unfollower user action'
  description: "Unfollow user. Access: OWN"
  tags:
    - 'M01: Authentication and Individual Profile'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
        required: true
    - in: query
      name: user_id
      schema:
        type: integer
        required: true
  responses:
    '200':
      description: 'Ok, unfollowed user '
    '400':
      description: 'Bad request: Error unfollowing user'
    '403':
      description: 'Forbidden client: show no permission UI.'
```

/api/user/{id}/block:

```
  post:
    operationId: R110
    summary: "R110: Block user action"
    description: "Block user. Access: USR"
    tags:
      - 'M01: Authentication and Individual Profile'
    parameters:
      - in: path
        name: id
```

```
    schema:
      type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            user_id:
              type: integer
              required:
                - user_id
  responses:
    '200':
      description: 'Ok, blocked user '
    '400':
      description: 'Bad request: Error blocking user'
    '403':
      description: 'Forbidden client: show no permission UI.'
```

```
delete:
  operationId: R111
  summary: 'R111: Unblock user action'
  description: "Unfollow user. Access: OWN"
  tags:
    - 'M01: Authentication and Individual Profile'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
        required: true
    - in: query
      name: user_id
      schema:
        type: integer
        required: true
  responses:
    '200':
      description: 'Ok, unblocked user'
    '400':
      description: 'Bad request: Error unblocking user'
    '403':
      description: 'Forbidden client: show no permission UI.'
```

```
/api/user/{id}/edit_photo:
  put:
    operationId: R112
    summary: 'R112: Update user photo action'
    description: 'Update user photo action. Access: OWN'
    tags:
      - 'M01: Authentication and Individual Profile'
    parameters:
      - in: path
        name: id
        schema:
```



```

        type: integer
        required: true
requestBody:
  required: true
  content:
    application/x-www-form-urlencoded:
      schema:
        type: object
        properties:
          photo:
            type: string
            required:
              - photo

responses:
  '200':
    description: 'Ok, updated photo'
  '400':
    description: 'Bad request: Error updating photo'
  '403':
    description: 'Forbidden client: show no permission UI.'

/api/user/{id}/edit_bio:
  get:
    operationId: R113
    summary: 'R113: Update user bio'
    description: 'Update user bio. Access: OWN'
    tags:
      - 'M01: Authentication and Individual Profile'
    parameters:
      - in: path
        name: id
        schema:
          type: integer
          required: true

    responses:
      '200':
        description: 'ok.'
        content:
          application/json:
            schema:
              type: array
              items:
                type: object
                properties:
                  bio:
                    type: string
                example:
                  bio: "Hey!"
      '403':
        description: 'Forbidden client: show no permission UI.'
      '404':
        description: 'Page not found: Show page not found UI'

  put:
    operationId: R114
    summary: 'R114: Update user bio action'

```

```

description: 'Update user bio action. Access: OWN'
tags:
  - 'M01: Authentication and Individual Profile'
parameters:
  - in: path
    name: id
    schema:
      type: integer
    required: true
requestBody:
  required: true
  content:
    application/x-www-form-urlencoded:
      schema:
        type: object
        properties:
          bio_content:
            type: string
          required:
            - bio_content
responses:
  '200':
    description: 'ok.'
    content:
      application/json:
        schema:
          type: array
          items:
            type: object
            properties:
              bio_content:
                type: string
            example:
              bio: "Hey, I'm Ana!"
  '403':
    description: 'Forbidden client: show no permission UI.'
  '404':
    description: 'Page not found: Show page not found UI'

```

/user/{id}/settings:

```

get:
  operationId: R115
  summary: 'R115: Settings forms'
  description: 'Edit user account form. Access: OWN'
  tags:
    - 'M01: Authentication and Individual Profile'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
  responses:
    '200':

```

```

      description: 'Ok. Show [UI08]

```

(<https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui08-settings>)'

```

      content:
        application/json:

```

```

schema:
  type: array
  items:
    type: object
    properties:
      name:
        type: string
      username:
        type: string
      email:
        type: string
      instagram:
        type: string
        nullable: true
      twitter:
        type: string
        nullable: true
      linkedin:
        type: string
        nullable: true
      facebook:
        type: string
        nullable: true
      show_people_follow:
        type: boolean
      show_tags_follow:
        type: integer
      tags:
        type: array
        items:
          type: string
          nullable: true
    example:
      name: "Ana Sousa"
      username: "anasousa"
      email: "anasousa@gmail.com"
      instagram: https://www.instagram.com/
      twitter: null
      linkedin: https://www.linkedin.com/
      facebook: https://www.facebook.com/
      show_people_follow: true
      show_tags_follow: false
      posts: ["art", "music"]

```

```

'403':
  description: 'Forbidden client: show no permission UI.'
'404':
  description: 'Page not found: Show page not found UI'

```

```

/api/user/{id}/settings/edit_account:
  put:
    operationId: R116
    summary: 'R116: Edit user account action'
    description: 'Edit user account action. Access: OWN'
    tags:
      - 'M01: Authentication and Individual Profile'
    parameters:

```

```

- in: path
  name: id
  schema:
    type: integer
  required: true
requestBody:
  required: true
  content:
    application/x-www-form-urlencoded:
      schema:
        type: object
        properties:
          name:
            type: string
          username:
            type: string
          email:
            type: string

responses:
  '200':
    description: 'Ok, account edited '
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            name:
              type: string
            username:
              type: string
            email:
              type: string
          example:
            name: "Ana Sousa"
            username: "anasousa"
            email: "anasousa@gmail.com"
  '400':
    description: 'Bad request: Error editing account'
  '403':
    description: 'Forbidden client: show no permission UI.'
```

/api/user/{id}/settings/edit_social_networks:

```

put:
  operationId: R117
  summary: 'R117: Update social newtworks action'
  description: 'Update social newtworks. Access: OWN'
  tags:
    - 'M01: Authentication and Individual Profile'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
```

```

    application/x-www-form-urlencoded:
      schema:
        type: object
        properties:
          twitter:
            type: string
          instagram:
            type: string
          facebook:
            type: string
          linkedin:
            type: string
responses:
  '200':
    description: 'Ok, social networks edited '
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            twitter:
              type: string
            instagram:
              type: string
            facebook:
              type: string
            linkedin:
              type: string
          example:
            instagram: https://www.instagram.com/
            twitter: https://www.twitter.com/
            linkedin: https://www.linkedin.com/
            facebook: https://www.facebook.com/
  '400':
    description: 'Bad request: Error editing social networks'
  '403':
    description: 'Forbidden client: show no permission UI.'

```

/user/{id}/settings/change_password:

```

put:
  operationId: R118
  summary: 'R118: Change password action'
  description: 'Change password action. Access: OWN'
  tags:
    - 'M01: Authentication and Individual Profile'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:

```

```

        password:
          type: string
        new_password:
          type: string
        confirm_password:
          type: string
      required:
        - password
        - new_password
        - confirm_password
    responses:
      '200':
        description: 'Ok, password changed '
      '400':
        description: 'Error changing password'
      '403':
        description: 'Forbidden client: show no permission UI.'
```

/api/user/{id}/settings/edit_preferences:

```

put:
  operationId: R119
  summary: 'R119: Edit preferences action'
  description: 'Edit preferences action. Access: OWN'
  tags:
    - 'M01: Authentication and Individual Profile'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            show_people_follow:
              type: boolean
            show_tags_follow:
              type: boolean
            tags:
              type: array
              items:
                type: string
  responses:
    '200':
      description: 'Ok, preferences edited '
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              show_people_follow:
                type: boolean
              show_tags_follow:
                type: boolean
```

```

      tags:
        type: array
        items:
          type: string
      example:
        show_people_follow: false
        show_tags_follow: true
        posts: ["art", "music"]
    '400':
      description: 'Bad request: Error editing preferences'
    '403':
      description: 'Forbidden client: show no permission UI.'
  /addpost:
    get:
      operationId: R201
      summary: 'R201: Add Post Form'
      description: 'Provide add post form. Access: USR'
      tags:
        - 'M02: Post'
      responses:
        '200':
          description: 'Ok. Show [UI15]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui15-create-post)'
        '403':
          description: 'Forbidden client: show no permission UI.'
    post:
      operationId: R202
      summary: 'R202: Add Post Action'
      description: 'Processes the new post form submission. Access: USR'
      tags:
        - 'M02: Post'
      parameters:
        - in: query
          name: user_id
          schema:
            type: integer
          required: true
      requestBody:
        required: true
        content:
          application/x-www-form-urlencoded:
            schema:
              type: object
              properties:
                title:
                  type: string
                thumbnail:
                  type: string
                content:
                  type: string
                is_spoiler:
                  type: boolean
              type:
                type: string
              category:
                type: string
              photos:
                type: array

```

```

        items:
          type: string

      tags:
        type: array
        items:
          type: string
    required:
      - title
      - thumbnail
      - is_spoiler
      - content
      - type
      - category
      - user_id
      - photos
      - tags

  responses:
    '302':
      description: 'Redirect after processing the new post information.'
      headers:
        Location:
          schema:
            type: string
      examples:
        302Success:
          description: 'Successful post creation. Redirect to post
page.'
          value: '/post/{id}'
        302Failure:
          description: 'Failed post creation. Redirect to add post form
page.'
          value: '/addpost'
    '403':
      description: 'Forbidden client: show no permission UI.'

/post/{id}:
  get:
    operationId: R203
    summary: 'R203: View post'
    description: 'Show the post. Access: PUB'
    tags:
      - 'M02: Post'

    parameters:
      - in: path
        name: id
        schema:
          type: integer
        required: true

    responses:
      '200':
        description: 'Ok. Show [UI14]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui14-post-page)'
        content:
          application/json:

```



```
schema:
  type: array
  items:
    type: object
    properties:
      title:
        type: string
      thumbnail:
        type: string
      content:
        type: string
      is_spoiler:
        type: boolean
      created_at:
        type: string
        format: date
      n_views:
        type: integer
      category:
        type: string
      author_name:
        type: string
      up_votes:
        type: integer
      down_votes:
        type: integer
      photos:
        type: array
        items:
          type: string
      tags:
        type: array
        items:
          type: string
      comments:
        type: array
        items:
          type: object
```

'404':

description: 'Page not found: Show page not found UI'

delete:

operationId: R204

summary: 'R204: Delete post action'

description: 'Delete the post. Access: OWN'

tags:

- 'M02: Post'

parameters:

- in: path

name: id

schema:

type: integer

required: true

responses:

'302':

```

    description: 'Redirect after processing the deleting post.'
    headers:
      Location:
        schema:
          type: string
        examples:
          302Success:
            description: 'Successful post deletion. Redirect to post
page.'
            value: '/post/{id}'
          302Failure:
            description: 'Failed post deletion. Redirect to post page.'
            value: '/post/{id}'
    '403':
      description: 'Forbidden client: show no permission UI.'

```

/editpost/{id}:

```

get:
  operationId: R205
  summary: 'R205: Edit Post Form'
  description: 'Provide edit post form. Access: OWN'
  tags:
    - 'M02: Post'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
  responses:

```

```

    '200':
      description: 'Ok. Show [UI16]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui16-edit-post)'

```

```

    content:
      application/json:
        schema:
          type: array
          items:
            type: object
            properties:
              title:
                type: string
              thumbnail:
                type: string
              content:
                type: string
              is_spoiler:
                type: boolean
            type:
              type: string
            category:
              type: string
            photos:
              type: array
              items:
                type: string
            tags:

```

```
        type: array
        items:
          type: string

'403':
  description: 'Forbidden client: show no permission UI.'
'404':
  description: 'Page not found: Show page not found UI'
put:
  operationId: R206
  summary: 'R206: Edit Action'
  description: 'Processes the new post content form submission. Access: OWN'
  tags:
    - 'M02: Post'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            title:
              type: string
            thumbnail:
              type: string
            content:
              type: string
            is_spoiler:
              type: boolean
            type:
              type: string
            category:
              type: string
            photos:
              type: array
              items:
                type: string
            tags:
              type: array
              items:
                type: string
          required:
            - title
            - thumbnail
            - is_spoiler
            - content
            - type
            - category
            - user_id
            - upvotes
            - downvotes
            - photos
```

```

      - tags

responses:
  '302':
    description: 'Redirect after processing the editing post information.'
    headers:
      Location:
        schema:
          type: string
        examples:
          302Success:
            description: 'Successful post edition. Redirect to post page.'
            value: '/post/{id}'
          302Failure:
            description: 'Failed post edition. Redirect to edit post
form.'
            value: '/editpost/{id}'
  '403':
    description: 'Forbidden client: show no permission UI.'

/api/post/{id}/save:
  post:
    operationId: R207
    summary: 'R207: Save Post API'
    description: 'Saves Post. Access: USR'
    tags:
      - 'M02: Post'
    parameters:
      - in: path
        name: id
        schema:
          type: integer
        required: true
      - in: query
        name: user_id
        schema:
          type: integer
        required: true

    responses:
      '200':
        description: 'Ok, post saved '
      '400':
        description: 'Error saving post'
      '403':
        description: 'Forbidden client: show no permission UI.'

delete:
  operationId: R208
  summary: 'R208: Delete saved post API'
  description: 'Delete saved post. Access: OWN'
  tags:
    - 'M02: Post'

  parameters:
    - in: path
      name: id
      schema:

```

```

        type: integer
        required: true
      - in: query
        name: user_id
        schema:
          type: integer
          required: true
    responses:
      '200':
        description: 'Ok, deleting saved post '
      '400':
        description: 'Bad request: Error deleting save post'
      '403':
        description: 'Forbidden client: show no permission UI.'

/api/post/{id}/vote:
  post:
    operationId: R209
    summary: 'R209: Add Post Like/Dislike API'
    description: 'Adds vote. Access: USR'
    tags:
      - 'M02: Post'
    parameters:
      - in: path
        name: id
        schema:
          type: integer
          required: true
      - in: query
        name: user_id
        schema:
          type: integer
          required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              vote:
                type: boolean
                required:
                  - vote
    responses:
      '200':
        description: 'Ok, vote added '
      '400':
        description: 'Error adding vote'
      '403':
        description: 'Forbidden client: show no permission UI.'

  put:
    operationId: R210
    summary: 'R210: Edit vote API'
    description: 'Edit the vote. Access: OWN'
    tags:
      - 'M02: Post'

```

```
parameters:
  - in: path
    name: id
    schema:
      type: integer
      required: true
  - in: query
    name: user_id
    schema:
      type: integer
      required: true
requestBody:
  required: true
  content:
    application/x-www-form-urlencoded:
      schema:
        type: object
        properties:
          vote:
            type: boolean
            required:
              - vote
responses:
  '200':
    description: 'Ok, vote edited '
  '400':
    description: 'Error editing vote'
  '403':
    description: 'Forbidden client: show no permission UI.'
```

```
delete:
  operationId: R211
  summary: 'R211: Delete vote API'
  description: 'Delete the vote. Access: OWN'
  tags:
    - 'M02: Post'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
        required: true
    - in: query
      name: user_id
      schema:
        type: integer
        required: true
  responses:
    '200':
      description: 'Ok, vote deleted '
    '400':
      description: 'Bad request: Error deleting vote'
    '403':
      description: 'Forbidden client: show no permission UI.'
```

/post/{id}/report:

```

post:
  operationId: R212
  summary: 'R212: Report Post Action'
  description: 'Processes the new post report submission. Access: USR'
  tags:
    - 'M02: Post'
  parameters:
    - in: path
      name: id
      schema:
        type: integer
      required: true
    - in: query
      name: user_id
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            motive:
              type: string
            required:
              - motive

  responses:
    '302':
      description: 'Redirect after processing the new report information.'
      headers:
        Location:
          schema:
            type: string
          examples:
            302Success:
              description: 'Successful report addition. Redirect to post
page.'
              value: '/post/{id}'
            302Failure:
              description: 'Failed report addition. Redirect to post page.'
              value: '/post/{id}'
    '403':
      description: 'Forbidden client: show no permission UI.'

/home:
  get:
    operationId: R213
    summary: 'R213: Homepage'
    description: 'Show the homepage filtered. Access: PUB'
    tags:
      - 'M02: Post'
    responses:
      '200':

```

```

    description: 'Ok. Show [UI01]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui01-homepage)'
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            posts:
              type: array
              items:
                type: object

/api/home/{homepageFilters}:
get:
  operationId: R214
  summary: 'R214: Filter Homepage posts API'
  description: 'Fitlers posts and returns result as JSON. Access: PUB.'
  tags:
    - 'M02: Post'
  parameters:
    - in: path
      name: homepageFilters
      description: 'Specifies the filter parameter for Homepage posts'
      schema:
        type: string
        enum: [hot, top, new]
      required: true
  responses:
    '200':
      description: Success
      content:
        application/json:
          schema:
            type: array
            items:
              type: object
              properties:
                id:
                  type: integer
                title:
                  type: string
                thumbnail:
                  type: string
                content:
                  type: string
                is_spoiler:
                  type: boolean
                created_at:
                  type: string
                n_views:
                  type: integer
                category:
                  type: string
                user_id:
                  type: integer
                n_likes:

```



```

        type: integer
      photos:
        type: array
      items:
        type: string
      tags:
        type: array
      items:
        type: string
      comments:
        type: array
      items:
        type: object
    '404':
      description: 'Page not found: Show page not found UI'

/api/post/{post_id}/add_comment:
  post:
    operationId: R301
    summary: 'R301: Add Comment Action API'
    description: 'Add a new comment. Access: USR'
    tags:
      - 'M03: Comment'
    parameters:
      - in: path
        name: post_id
        schema:
          type: integer
        required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              content:
                type: string
              user_id:
                type: integer
            required:
              - content
              - user_id
    responses:
      '200':
        description: 'Success'
        content:
          application/json:
            schema:
              type: object
              properties:
                id:
                  type: integer
                content:
                  type: string
                user_id:
                  type: integer
                comment_date:

```

```

        type: string
        format: date-time
    post_id:
        type: string
    example:
      - id: 1
        content: Agreed!
        user_id: 44
        comment_date: 2020-05-12t18:15:43z
        post_id: 19
  '400':
    description: 'Error adding comment'
  '403':
    description: 'Forbidden client: show no permission UI'
  '404':
    description: 'Post not found'

```

/api/comment/{comment_id}/edit:

```

get:
  operationId: R302
  summary: 'R302: Edit Comment Form API'
  description: 'Gets the edit form. Access: OWN'
  tags:
    - 'M03: Comment'
  parameters:
    - in: path
      name: comment_id
      schema:
        type: integer
      required: true
  responses:
    '200':
      description: 'Success'
      content:
        application/json:
          schema:
            type: object
            properties:
              id:
                type: integer
              content:
                type: string
              user_id:
                type: integer
              comment_date:
                type: string
                format: date-time
              post_id:
                type: integer
                nullable: true
              comment_id:
                type: integer
                nullable: true
              number_likes:
                type: integer
              number_dislikes:
                type: integer
            example:

```

```

      - id: 1
        content: 'I really liked this article!'
        user_id: 24
        comment_date: 2020-05-12t18:10:43z
        post_id: 19
        comment_id: null
        number_likes: 10
        number_dislikes: 0
    '400':
      description: 'Error getting edit comment form'
    '403':
      description: 'Forbidden client: show no permission UI'
    '404':
      description: 'Comment not found'

patch:
  operationId: R303
  summary: "R303: Edit Comment Action API"
  description: 'Provides the resource to edit a comment. Access: OWN'
  tags:
    - 'M03: Comment'
  parameters:
    - in: path
      name: comment_id
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            content:
              type: string
            required:
              - content
  responses:
    '200':
      description: 'Success'
      content:
        application/json:
          schema:
            type: object
            properties:
              id:
                type: integer
              content:
                type: string
            example:
              - id: 1
                content: 'I really liked this article!'
    '400':
      description: 'Error editing comment'
    '403':
      description: 'Forbidden client: show no permission UI'
    '404':

```

```

        description: 'Comment not found'

/api/comment/{comment_id}:
  delete:
    operationId: R304
    summary: "R304: Delete comment API"
    description: 'Provides the resource to delete a comment. Access: OWN'
    tags:
      - 'M03: Comment'
    parameters:
      - in: path
        name: comment_id
        schema:
          type: integer
        required: true
    responses:
      '200':
        description: 'Success'
      '400':
        description: 'Error deleting comment'
      '403':
        description: 'Forbidden client: show no permission UI'
      '404':
        description: 'Comment not found'

/api/comment/{comment_id}/vote:
  post:
    operationId: R305
    summary: 'R305: Add comment vote API'
    description: 'Provides the resource to vote on a comment. Access: USR'
    tags:
      - 'M03: Comment'
    parameters:
      - in: path
        name: comment_id
        schema:
          type: integer
        required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              user_id:
                type: integer
              like:
                type: boolean
            required:
              - user_id
              - like
    responses:
      '200':
        description: 'Success'
      '400':
        description: 'Error adding vote'
      '403':

```

```
description: 'Forbidden client: show no permission UI'
'404':
  description: 'Comment not found.'
```

delete:

```
operationId: R306
summary: "R306: Delete comment vote API"
description: 'Provides the resource to remove a comment vote. Access: OWN'
tags:
  - 'M03: Comment'
parameters:
  - in: path
    name: comment_id
    schema:
      type: integer
      required: true
  - in: query
    name: user_id
    schema:
      type: integer
      required: true
responses:
  '200':
    description: 'Success'
  '400':
    description: 'Error adding vote'
  '403':
    description: 'Forbidden client: show no permission UI'
  '404':
    description: 'Comment not found'
```

put:

```
operationId: R307
summary: "R307: Edit comment vote API"
description: 'Provides the resource to edit a comment vote. Access: OWN'
tags:
  - 'M03: Comment'
parameters:
  - in: path
    name: comment_id
    schema:
      type: integer
      required: true
requestBody:
  required: true
  content:
    application/x-www-form-urlencoded:
      schema:
        type: object
        properties:
          user_id:
            type: integer
          like:
            type: boolean
        required:
          - user_id
          - like
responses:
```

```
'200':
  description: 'Success'
'400':
  description: 'Error editing comment'
'403':
  description: 'Forbidden client: show no permission UI'
'404':
  description: 'Comment not found'
```

/comment/{comment_id}/report:

```
post:
  operationId: R308
  summary: 'R308: Report comment vote Action'
  description: 'Provides the resource to report a comment. Access: USR'
  tags:
    - 'M03: Comment'
  parameters:
    - in: path
      name: comment_id
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            motive:
              type: string
            user_reporting:
              type: integer
            comment_reported:
              type: integer
          required:
            - motive
            - user_reporting
            - comment_reported
  responses:
    '200':
      description: 'Success'
    '400':
      description: 'Error reporting comment'
    '403':
      description: 'Forbidden client: show no permission UI'
    '404':
      description: 'Comment not found'
```

/api/comment/{comment_id}/thread:

```
get:
  operationId: R309
  summary: 'R309: Get all thread comments of a comment API'
  description: 'Gets all the thread comments associated with a comment.
Access: PUB'
  tags:
    - 'M03: Comment'
  parameters:
```

```
- in: path
  name: comment_id
  schema:
    type: integer
  required: true
responses:
  '200':
    description: Success
    content:
      application/json:
        schema:
          type: array
          items:
            type: object
            properties:
              id:
                type: integer
              content:
                type: string
              user_id:
                type: integer
              comment_date:
                type: string
                format: date-time
              post_id:
                type: integer
                nullable: true
              comment_id:
                type: integer
              number_likes:
                type: integer
              number_dislikes:
                type: integer
            example:
              - id: 2
                content: 'I agree with you!'
                user_id: 35
                comment_date: 2020-05-12t18:15:43z
                post_id: null
                comment_id: 1
                number_likes: 2
                number_dislikes: 0
              - id: 3
                content: 'I agree too!'
                user_id: 63
                comment_date: 2020-05-12t18:15:52z
                post_id: null
                comment_id: 1
                number_likes: 0
                number_dislikes: 0
  '400':
    description: 'Error getting thread comments'
  '404':
    description: 'Comment not found'
```

```
/api/comment/{comment_id}/add_comment:
  post:
    operationId: R310
```

```
summary: 'R310: Add Thread Comment API'
description: 'Add a new thread comment. Access: USR'
tags:
  - 'M03: Comment'
parameters:
  - in: path
    name: comment_id
    schema:
      type: integer
    required: true
requestBody:
  required: true
  content:
    application/x-www-form-urlencoded:
      schema:
        type: object
        properties:
          content:
            type: string
          user_id:
            type: string
        required:
          - content
          - user_id
responses:
  '200':
    description: 'ok, thread comment added'
    content:
      application/json:
        schema:
          type: object
          properties:
            id:
              type: integer
            content:
              type: string
            user_id:
              type: integer
            comment_date:
              type: string
              format: date-time
            comment_id:
              type: string
            number_likes:
              type: integer
            number_dislikes:
              type: integer
          example:
            - id: 8
              content: This made me laugh!
              user_id: 82
              comment_date: 2020-09-20t10:12:19z
              comment_id: 1
              number_likes: 0
              number_dislikes: 0
  '400':
    description: 'Error adding thread comment'
  '403':
```



```
description: 'Forbidden client: show no permission UI'
'404':
  description: 'Comment not found'
```

```
/api/post/{post_id}/comments:
```

```
get:
```

```
operationId: R311
```

```
summary: 'R311: Get more comments of post API'
```

```
description: 'Gets more comments related to a post. Access: PUB'
```

```
tags:
```

```
- 'M03: Comment'
```

```
parameters:
```

```
- in: path
```

```
  name: post_id
```

```
  schema:
```

```
    type: integer
```

```
  required: true
```

```
- in: query
```

```
  name: page
```

```
  schema:
```

```
    type: integer
```

```
  required: true
```

```
responses:
```

```
'200':
```

```
  description: Success
```

```
  content:
```

```
    application/json:
```

```
      schema:
```

```
        type: array
```

```
        items:
```

```
          type: object
```

```
          properties:
```

```
            id:
```

```
              type: integer
```

```
            content:
```

```
              type: string
```

```
            user_id:
```

```
              type: integer
```

```
            comment_date:
```

```
              type: string
```

```
              format: date-time
```

```
            post_id:
```

```
              type: integer
```

```
            comment_id:
```

```
              type: integer
```

```
              nullable: true
```

```
            number_likes:
```

```
              type: integer
```

```
            number_dislikes:
```

```
              type: integer
```

```
          example:
```

```
- id: 4
```

```
  content: 'I didnt like this movie too!'
```

```
  user_id: 35
```

```
  comment_date: 2020-05-12t18:15:43z
```

```
  post_id: 1
```

```
  comment_id: null
```

```
  number_likes: 2
```

```

        number_dislikes: 0
      - id: 5
        content: 'I disagree with you'
        user_id: 63
        comment_date: 2020-05-12t18:15:52z
        post_id: 1
        comment_id: null
        number_likes: 0
        number_dislikes: 0
    '400':
      description: 'Error getting comments'
    '404':
      description: 'Post not found'

/api/notification/{notification_id}/read:
  post:
    operationId: R401
    summary: 'R401: Mark notification as read API'
    description: 'Provides the resource to mark a notification as read. Access:
OWN'
    tags:
      - 'M04: Notification'
    parameters:
      - in: path
        name: notification_id
        schema:
          type: integer
        required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              read:
                type: boolean
            required:
              - read
    responses:
      '200':
        description: 'Ok. Notification added as read successfully.'
      '400':
        description: 'Bad request. Error message is specified via an HTTP
header.'
      '403':
        description: 'Forbidden client: show no permission UI'
      '404':
        description: 'Notification not found.'

/api/user/{user_id}/read:
  post:
    operationId: R402
    summary: 'R402: Mark all user notification as read API'
    description: 'Provides the resource to mark all notifications of a user as
read. Access: OWN'
    tags:
      - 'M04: Notification'

```

```
parameters:
  - in: path
    name: user_id
    schema:
      type: integer
    required: true
responses:
  '200':
    description: 'Success'
  '400':
    description: 'Error marking all notifications as read.'
  '403':
    description: 'Forbidden client: show no permission UI'
  '404':
    description: 'User not found.'
```

/api/user/{user_id}/notifications:

```
get:
  operationId: R403
  summary: 'R403: Get more notifications API'
  description: 'Gets more notifications of a user. Access: USR'
  tags:
    - 'M04: Notification'
  parameters:
    - in: path
      name: user_id
      schema:
        type: integer
      required: true
    - in: query
      name: page
      schema:
        type: integer
      required: true
  responses:
    '200':
      description: 'Success'
      content:
        application/json:
          schema:
            type: array
            items:
              type: object
              properties:
                id:
                  type: integer
                created_date:
                  type: string
                  format: date-time
                notificated_user:
                  type: integer
                read:
                  type: boolean
              type:
                type: string
            post_id:
              type: integer
              nullable: true
```

```

    follower_id:
      type: integer
      nullable: true
    comment_id:
      type: integer
      nullable: true
    voted_comment:
      type: integer
      nullable: true
    voted_post:
      type: integer
      nullable: true
    voted_user:
      type: integer
      nullable: true
  example:
    - id: 1
      created_date: 2020-05-12t18:15:43z
      notificated_user: 1
      read: false
      type: publish
      post_id: 1
      follower_id: null
      comment_id: null
      voted_comment: null
      voted_post: null
      voted_user: null
    - id: 2
      created_date: 2020-05-22t18:15:43z
      notificated_user: 1
      read: false
      type: vote
      post_id: null
      follower_id: null
      comment_id: null
      voted_comment: 3
      voted_post: null
      voted_user: null

```

```

'400':
  description: 'Error getting notifications'
'404':
  description: 'Post not found'

```

/api/post_filter/{filters}:

```

get:
  operationId: R501
  summary: 'R501: Post filter'
  description: 'Post filter and return results as JSON. Access: PUB'
  tags:
    - 'M05: Search'
  parameters:
    - in: path
      name: filters
      description: Post filters
      schema:
        type: string
      required: true
  responses:

```

```
'200':
  description: 'Success.'
  content:
    application/json:
      schema:
        type: array
        items:
          type: object
          properties:
            id:
              type: integer
            title:
              type: string
            author_id:
              type: integer
            date:
              type: string
              format: date
            views:
              type: integer
            reports:
              type: integer
            type:
              type: string
            content:
              type: string
            likes:
              type: integer
```

```
'400':
  description: 'Bad request. Error message retrieving data. Show [UI05]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui05-moderator-
dashboard)'
```

/api/report_filter:

```
get:
  operationId: R502
  summary: 'R502: Report filter'
  description: 'Report filter and return results as JSON. Access: MOD'
  tags:
    - 'M05: Search'
  parameters:
    - in: query
      name: moderator_id
      description: Moderator ID
      schema:
        type: integer
      required: true
    - in: query
      name: text
      description: String to use for full-text search
      schema:
        type: string
      required: false
    - in: query
      name: type
      description: Type of content.(post or comment)
```

```

    schema:
      type: string
      required: false
  - in: query
    name: category
    description: Category of content
    schema:
      type: string
      required: false
  - in: query
    name: date
    description: Date ordering
    schema:
      type: string
      required: false
  - in: query
    name: unassigned
    description: Unassigned reports flag
    schema:
      type: boolean
      required: false
  - in: query
    name: assigned
    description: assigned reports flag
    schema:
      type: boolean
      required: false
responses:
  '200':
    description: 'Success.'
    content:
      application/json:
        schema:
          type: array
          items:
            type: object
            properties:
              id:
                type: integer
              title:
                type: string
              author_id:
                type: integer
              date:
                type: string
                format: date
              motive:
                type: string
              reports:
                type: integer
              content_type:
                type: string

  '400':
    description: 'Bad request. Error message retrieving data.'
```

```

/about:
  get:
```

```

    operationId: R601
    summary: 'R601: Get About Page'
    description: 'Get About page content. Access: PUB'
    tags:
      - 'M06: Static pages'
    responses:
      '202':
        description: 'Success. Show [UI11]'
        (https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui11-about-us)'

/faq:
  get:
    operationId: R602
    summary: 'R602: Get FAQ Page'
    description: 'Get FAQ page content. Access: PUB'
    tags:
      - 'M06: Static pages'
    responses:
      '202':
        description: 'Success. Show [UI12]'
        (https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui12-faq)'

/support:
  get:
    operationId: R603
    summary: 'R603: Get Support Page'
    description: 'Get Support page content. Access: PUB'
    tags:
      - 'M06: Static pages'
    responses:
      '202':
        description: 'Success. Show [UI13]'
        (https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui13-support-page)'

  post:
    operationId: R604
    summary: 'R604: Send Support Request'
    description: 'Get Support page content. Access: PUB'
    tags:
      - 'M06: Static pages'
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              content:
                type: integer
              contact:
                type: string
              frequency:
                type: integer

            required:
              - moderator_id
              - action
              - frequency

```

```

    responses:
      '202':
        description: 'Success. Show [UI13]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui13-support-page)'

/supports:
  get:
    operationId: R605
    summary: 'R605: Get All Support requests'
    description: 'Get Support page content. Access: MOD'
    tags:
      - 'M06: Static pages'
    responses:
      '202':
        description: 'Success. Show [UI13]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui13-support-page)'
        content:
          application/json:
            schema:
              type: array
              items:
                type: object
                properties:
                  content:
                    type: string
                  contact:
                    type: string
                  frequency:
                    type: integer

/administration/roles:
  get:
    operationId: R701
    summary: 'R701: Get all user and roles'
    description: 'Get all user and roles and return results as JSON. Access:
SM'
    tags:
      - 'M07: Administration'
    responses:
      '200':
        description: 'Success. Show [UI04]
(https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/-/wikis/er#ui04-manage-moderators)'
        content:
          application/json:
            schema:
              type: array
              items:
                type: object
                properties:
                  id:
                    type: integer
                  username:
                    type: string
                  role:
                    type: string
      '403':
        description: 'Unauthorized access!.'

```



```
/api/administration/roles/{user_id}/edit_role:
  put:
    operationId: R702
    summary: 'R702: Edit a users role'
    description: 'Edit user role. Access: SM'
    tags:
      - 'M07: Administration'
    parameters:
      - in: path
        name: user_id
        description: User ID
        schema:
          type: integer
        required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              new_role:
                type: string

            required:
              - comment_id

    responses:
      '302':
        description: 'Role updated successfully.Redirecting to role manager'
        headers:
          Location:
            schema:
              type: string
      '404':
        description: 'Error updating role! User ID not found-'
        headers:
          Location:
            schema:
              type: string
      '403':
        description: 'Unauthorized access!.'
```

```
/reports/{report_id}/close:
  put:
    operationId: R703
    summary: 'R703: Close a report'
    description: 'Close a report. Access: MOD'
    tags:
      - 'M07: Administration'
    parameters:
      - in: path
```

```

      name: report_id
      description: Report ID
      schema:
        type: integer
      required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              moderator_id:
                type: integer

            required:
              - moderator_id

    responses:
      '302':
        description: 'Report dismissed successfully.Redirecting to moderator dashboard'
        headers:
          Location:
            schema:
              type: string
      '404':
        description: 'Report not found!.Redirecting to moderator dashboard'
        headers:
          Location:
            schema:
              type: string
      '403':
        description: 'Unauthorized access!.'

/reports/{report_id}/assign_report:
  put:
    operationId: R704
    summary: 'R704: Assign a report'
    description: 'Assign a report. Access: MOD'
    tags:
      - 'M07: Administration'
    parameters:
      - in: path
        name: report_id
        description: Report ID
        schema:
          type: integer
        required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              moderator_id:

```

```

        type: integer
        required:
          - moderator_id
      responses:
        '302':
          description: 'Report assigned successfully.Redirecting to moderator dashboard'
          headers:
            Location:
              schema:
                type: string
        '404':
          description: 'Report not found!.Redirecting to moderator dashboard'
          headers:
            Location:
              schema:
                type: string
        '403':
          description: 'Unauthorized access!.'

/reports/{report_id}/process:
  put:
    operationId: R705
    summary: 'R705: Process a report'
    description: 'Process a report. Access: MOD'
    tags:
      - 'M07: Administration'
    parameters:
      - in: path
        name: report_id
        description: Report ID
        schema:
          type: integer
          required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              moderator_id:
                type: integer
              action:
                type: string

            required:
              - moderator_id
              - action
    responses:
      '302':
        description: 'Report processed successfully.Redirecting to moderator dashboard'
        headers:
          Location:
            schema:
              type: string

```

```
'404':  
  description: 'Report not found.Redirecting to moderator dashboard'  
  headers:  
    Location:  
      schema:  
        type: string  
'403':  
  description: 'Unauthorized access!.'
```

A8: Vertical prototype

The Vertical Prototype includes the implementation of simple but important user stories. It includes the implementation of user stories for visualization, insertion, edition and deletion of information pages as well as the access control permissions for each one of them. The main goal of this artifact is to familiarize with the framework used in the project and support the presented architecture, putting together the user interface, business logic and data access.

1. Implemented Features

1.1. Implemented User Stories

The following table describes the user stories implemented in this prototype.

User Story reference	Name	Priority	Description
US001	Homepage	High	As a user, I want to access the home page, so that I can see the most popular posts.
US004	Read Post	High	As a user, I want to read a post, so I can see its detailed information.
US006	About Page	Low	As a user, I want to access an information page, so that I can see the description of the website.
US007	FAQ Page	Low	As a user, I want to access the FAQ, so that I can see Frequently Asked Questions.
US101	Sign In	High	As a visitor, I want to authenticate into the system, so that I can access privileged information.
US102	Sign Up	High	As a visitor, I want to register myself into the system, so that I can authenticate myself into the system.
US201	Sign out	High	As an authenticated user, I want to sign out of the system, so that I can disconnect my account.
US301	Publish Post	High	As an author, I want to publish a post indicating its category (news, opinion articles, reviews) and tag (for example, movie, book, album), so that I can share information with other people.
US302	Edit Post	High	As an author, I want to be able to edit a post of my own, so that I can add/remove information or correct errors.
US303	Remove Post	High	As an author, I want to remove a post of my own, so that it is no longer available.

1.2. Implemented Web Resources

This section describes the web resources implemented in this prototype.

Module M01: Authentication and Individual Profile

Web Resource Reference	URL
R101: Login Form	/login
R102: Login Action	POST /login
R103: Logout Action	POST /logout
R104: Register Form	/register
R105: Register Action	POST /register

Module M02: Post

Web Resource Reference	URL
R201: Add Post Form	/addpost
R202: Add Post Action	POST /addpost
R203: View Post	/post/{id}
R204: Delete Post Action	DELETE /post/{id}
R205: Edit Post Form	/editpost/{id}
R206: Edit Post Action	PUT /editpost/{id}
R213: Homepage	/home
R214: Filter Homepage posts API	GET /api/home/{homepageFilters}

Module M06: Static Pages

Web Resource Reference	URL
R601: Get About Page	/about
R602: Get FAQ Page	/faq
R603: Get Support Page	/support

2. Prototype

The prototype is available at <http://lbaw2123.lbaw-prod.fe.up.pt/>.

Credentials:

- Regular User: ssmoote1/12345

The source code can be found at <https://git.fe.up.pt/lbaw/lbaw2021/lbaw2123/>.

Revision history

Changes made to the first submission:

1. ...

GROUP2123, 03/05/2021

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