

EAP: Architecture Specification and Prototype

In the middle of a pandemic, we wanted to provide a social network to link people, so that the distancing is only physical.

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

In this artefact we are going to present our architecture to be implemented, specifying the resources and its properties with references to the work done in A3.

1. Overview

Module	Description
M01: Authentication and Registration	Web resources associated with user authentication and registration, includes the following system features: login/logout, registration.
M02: Users and Links	Web resources associated with the users and their links, includes the following system features: user, edit a user, delete a user, see his links, create a link, search for users.
M03: Posts and Comments	Web resources associated with posting, includes the following system features: post, edit a post, like, comment, edit a comment, report a post, report a comment, search for posts.
M04: Groups	Web resources associated with groups, includes the following system features: create a group, view a group page, search for group.
M05: Administration	Web resources associated with user management, includes the following system features: ban a post, ban a comment, see all reports.
M06: Other Routes	Web resources associated with other routes, includes the following system features: routes to home page, about page, create_group page, faq page.

2. Permissions

	Permission	Description
PUB	Public	Users without privileges
USR	User	Authenticated user
OWN	Owner	Owner of the information (e.g. posts, comment)
MMB	Member	Member (e.g. groups)
ADM	Administrator	Administrators

3. OpenAPI Specification

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

[a7_openapi.yaml](#)

[SwaggerHub](#)

```
openapi: 3.0.0

info:
  version: "1.0"
  title: "LBAW LiNK.ME Web API"
  description: "Web Resources Specification (A7) for LiNK.ME"

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

tags:
  - name: "M01: Authentication and Registration"
  - name: "M02: Users and Links"
  - name: "M03: Posts and Comments"
  - name: "M04: Groups"
  - name: "M05: Administration"
  - name: "M06: Other routes"

paths:
  /login:
    get:
      operationId: R101
      summary: "R101: Login Form"
      description: "Provide login form. Access: PUB"
      tags:
        - "M01: Authentication and Registration"
      responses:
        "200":
          description: "Ok. Show [UI04](http://lbaw2145-piu.lbaw-prod.fe.up.pt/login.php)"
    post:
      operationId: R102
      summary: "R102: Login Action"
      description: "Processes the login form submission. Access: PUB"
      tags:
        - "M01: Authentication and Registration"
      requestBody:
        required: true
        content:
          application/x-www-form-urlencoded:
            schema:
              type: object
              properties:
                username:
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        type: string
        password:
          type: string
        required:
          - username
          - password
      responses:
        "302":
          description: "Redirect after processing the login
credentials."
          headers:
            Location:
              schema:
                type: string
              example:
                302Success:
                  description: "Successful
authentication. Redirect to Home."
                  value: "/home"
                302Error:
                  description: "Failed
authentication. Redirect to login."
                  value: "/login"

/logout:
  post:
    operationId: R103
    summary: "R103: Logout Action"
    description: "Logout the current authenticated user. Access:
USR, ADM"
    tags:
      - "M01: Authentication and Registration"
    responses:
      "302":
        description: "Redirect after processing logout."
        headers:
          Location:
            schema:
              type: string
            example:
              302Success:
                description: "Successful logout.
Redirect to login form."
                value: "/login"

/register:
  get:
    operationId: R104
    summary: "R104: Register Form"
    description: "Provide register form. Access: PUB"
    tags:
      - "M01: Authentication and Registration"
    responses:
      "200":

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        description: "Ok. Show [UI05](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/register.php)"
    post:
        operationId: R105
        summary: 'R105: Register Action'
        description: 'Processes the new user registration form
submission. Access: PUB'
        tags:
            - 'M01: Authentication and Registration'

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

        responses:
            '302':
                description: 'Redirect after processing the new user
information.'
                headers:
                    Location:
                        schema:
                            type: string
                        example:
                            302Success:
                                description: 'Successful
authentication. Redirect to user profile.'
                                value: '/user/{id}'
                            302Failure:
                                description: 'Failed
authentication. Redirect to login page.'
                                value: '/login'

/recover:
    get:
        operationId: R106
        summary: "R106: Get Password Recovery Form"
        tags:
            - "M01: Authentication and Registration"
        responses:
            "200":
                description: "Ok. Show password recovery UI"

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    post:
      operationId: R107
      summary: 'R107: Password Recovery Action'
      description: 'Processes the password recovery form submission.
Access: PUB'
      tags:
        - 'M01: Authentication and Registration'

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

      responses:
        "302":
          description: "Redirect after processing password
recovery."
          headers:
            Location:
              schema:
                type: string
                example:
                  302Success:
                    description: "Successful password
recovery. Redirect to login form."
                    value: "/login"

    /user/{id}:
      get:
        operationId: R201
        summary: "R201: User profile"
        description: "Provide individual user profile page. Access:
PUB"
        tags:
          - "M02: Users and Links"
        parameters:
          - in: path
            name: id
            description: 'Identifier from user'
            schema:
              type: integer
              required: true
        responses:
          "200":
            description: "Ok. Show [UI07](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/profile.php)"
          "302":
            description: "Redirect after failing to get the

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requested profile."
    headers:
      Location:
        schema:
          type: string
          example:
            302Failure:
              description: 'Redirect to home
page.'
              value: '/home'

/api/user:
  post:
    operationId: R202
    summary: "R202: User Info"
    description: "Provide individual user info in JSON. Access:
PUB"
    tags:
      - "M02: Users and Links"

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

    responses:
      '200':
        description: 'Success.'
        content:
          application/json:
            schema:
              type: object
              properties:
                user_id:
                  type: integer
                username:
                  type: string
                name:
                  type: string
            example:
              - user_id: 1
                username: "xamas"
                name: "Xavier"

  put:
    operationId: R203
    summary: "R203: Change user info"
    description: "Change a users info. Access: OWN"
    tags:

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    - "M02: Users and Links"

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

responses:
  "200":
    description: "Ok. Show [UI07](http://lbaw2145-piu.lbaw-prod.fe.up.pt/profile.php)"

/api/user/{id}:
  delete:
    operationId: R204
    summary: "R204: Delete user"
    description: "Delete a user account. Access OWN"
    tags:
      - "M02: Users and Links"

    parameters:
      - in: path
        name: id
        description: 'Identifier from user'
        schema:
          type: integer
        required: true
    responses:
      "200":
        description: "Ok. Show [UI04](http://lbaw2145-piu.lbaw-prod.fe.up.pt/login.php)"

/api/link:
  get:
    operationId: R205
    summary: "R205: Get links from a specific user"
    description: "Provide links of a specific user in JSON format. Access: USR, ADM"
    tags:
      - "M02: Users and Links"
    parameters:
      - in: query
        name: id

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```
        description: "Identifier from user"
        schema:
          type: integer
        required: true
      responses:
        "200":
          description: "Success."
          content:
            application/json:
              schema:
                type: array
                items:
                  type: object
                  properties:
                    user_id:
                      type: integer
                    username:
                      type: string
                    name:
                      type: string
              example:
                - user_id: 1
                  username: "xamas"
                  name: "Xavier"
                - user_id: 5
                  username: "johnlewis"
                  name: "John Lewis"
                - user_id: 19
                  username: "mike"
                  name: "Litoris"
    post:
      operationId: R206
      summary: "R206: Link 2 users"
      description: "Create a friendship between 2 users. Access: USR"
      tags:
        - "M02: Users and Links"
      requestBody:
        required: true
        content:
          application/x-www-form-urlencoded:
            schema:
              type: object
              properties:
                user1_id:
                  type: integer
                user2_id:
                  type: integer
              required:
                - user1_id
                - user2_id
      responses:
        "204":
          description: "No Content"
```



```

/users:
  get:
    operationId: R207
    summary: "R207: Search for a user from a string"
    description: "Shows all users that have a name or username
similar to the search. Access: PUB"
    tags:
      - "M02: Users and Links"
    parameters:
      - in: query
        name: searched
        description: String to use for full-text search
        schema:
          type: string
        required: true

    responses:
      "200":
        description: "Ok. Show [UI09](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/search_people.php)"
      "302":
        description: "Redirect after failing to process the
search."
        headers:
          Location:
            schema:
              type: string
            example:
              302Failure:
                description: 'Redirect to home
page.'
                value: '/home'

/post/{id}:
  get:
    operationId: R301
    summary: "R301: Post page"
    description: "Provide individual post page. Access: PUB"
    tags:
      - "M03: Posts and Comments"
    parameters:
      - in: path
        name: id
        description: 'Identifier from post'
        schema:
          type: integer
        required: true
    responses:
      "200":
        description: "Ok. Show [UI06](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/post.php)"
      "302":

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        description: "Redirect after failing to get the
requested post."
        headers:
            Location:
                schema:
                    type: string
                example:
                    302Failure:
                        description: 'Redirect to home
page.'
                        value: '/home'

/api/post:
    get:
        operationId: R302
        summary: "R302: Post info"
        description: "Provide individual post info in JSON format.
Access: PUB"
        tags:
            - "M03: Posts and Comments"
        parameters:
            - in: query
              name: id
              description: 'Identifier from post'
              schema:
                  type: integer
              required: true
        responses:
            '200':
                description: 'Success.'
                content:
                    application/json:
                        schema:
                            type: object
                            properties:
                                user_id:
                                    type: integer
                                picture:
                                    type: string
                                description:
                                    type: string
                                date:
                                    type: string
                                group_id:
                                    type: integer
                                likes:
                                    type: integer
                                dislikes:
                                    type: integer
                            example:
                                - user_id: 1
                                  picture: Null
                                  description: "What a nice shot!!"
                                  date: "10-04-2020"

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        group_id: Null
        likes: 12
        dislikes: 2
    post:
        operationId: R303
        summary: "R303: Create a post"
        description: "Create a post. Access: USR"
        tags:
            - "M03: Posts and Comments"
        requestBody:
            required: true
            content:
                application/x-www-form-urlencoded:
                    schema:
                        type: object
                        properties:
                            user_id:
                                type: integer
                            picture:
                                type: string
                            description:
                                type: string
                            private:
                                type: boolean
                            group_id:
                                type: integer
                        required:
                            - user_id
        responses:
            "200":
                description: "Ok. Show [UI01](http://lbaw2145-piu.lbaw-
prod.fe.up.pt)"

/api/post/{id}:
    delete:
        operationId: R304
        summary: "R304: Delete post"
        description: "Delete a post from user. Access OWN"
        tags:
            - "M03: Posts and Comments"

        parameters:
            - in: path
              name: id
              description: 'Identifier from post'
              schema:
                  type: integer
              required: true
        responses:
            "200":
                description: "Ok. Show [UI01](http://lbaw2145-piu.lbaw-
prod.fe.up.pt)"

    put:

```

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    operationId: R305
    summary: "R305: Edit a post"
    description: "Edit a post. Access: USR"
    tags:
      - "M03: Posts and Comments"
    parameters:
      - in: path
        name: id
        description: 'Identifier from post'
        schema:
          type: integer
        required: true
    requestBody:
      required: true
      content:
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              description:
                type: string
              private:
                type: boolean
    responses:
      "200":
        description: "Ok. Show [UI01](http://lbaw2145-piu.lbaw-prod.fe.up.pt)"

/api/like/{id}:
  get:
    operationId: R306
    summary: "R306: Likes and dislikes from a post"
    description: "Get likes and dislikes from a post. Access: PUB"
    tags:
      - "M03: Posts and Comments"
    parameters:
      - in: path
        name: id
        description: 'Identifier from post'
        schema:
          type: integer
        required: true
    responses:
      "200":
        description: "Success"
        content:
          application/json:
            schema:
              type: array
              items:
                type: object
                properties:
                  user_id:

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                                type: integer
                                likes:
                                    type: boolean
                                example:
                                    - user_id: 15
                                      likes: true
                                    - user_id: 32
                                      likes: false
                                    - user_id: 27
                                      likes: true

post:
  operationId: R317
  summary: "R317: Like or dislike a post"
  description: "Like or dislike a post. Access: USR"
  tags:
    - "M03: Posts and Comments"
  parameters:
    - in: path
      name: id
      description: 'Identifier from post'
      schema:
        type: integer
      required: true
  requestBody:
    required: true
    content:
      application/x-www-form-urlencoded:
        schema:
          type: object
          properties:
            description:
              type: string
            private:
              type: boolean

  responses:
    "204":
      description: "No content"

put:
  operationId: R307
  summary: "R307: Like or dislike a post"
  description: "Like or dislike a post. Access: USR"
  tags:
    - "M03: Posts and Comments"
  parameters:
    - in: path
      name: id
      description: 'Identifier from post'
      schema:
        type: integer
      required: true
    - in: query
      name: likes
      description: "Like or dislike"
```

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        schema:
          type: boolean
          required: true
      responses:
        "204":
          description: "No content"

  delete:
    operationId: R308
    summary: "R308: Remove a like or a dislike"
    description: "Remove a like or a dislike from a post. Access:
USR"
    tags:
      - "M03: Posts and Comments"
    parameters:
      - in: path
        name: id
        description: 'Identifier from post'
        schema:
          type: integer
          required: true
    responses:
      "204":
        description: "No content"

/api/post/report/{id}:
  post:
    operationId: R309
    summary: "R309: Report a post"
    description: "Report a post. Access: USR"
    tags:
      - "M03: Posts and Comments"
    parameters:
      - in: path
        name: id
        description: 'Identifier from post'
        schema:
          type: integer
          required: true
    responses:
      "204":
        description: "No content"

/posts:
  get:
    operationId: R310
    summary: "R310: Search for a post from a string"
    description: "Shows all posts that have a name or username
similar to the search. Access: PUB"
    tags:
      - "M03: Posts and Comments"
    parameters:
      - in: query
        name: searched

```

```

        description: String to use for full-text search
        schema:
          type: string
          required: true

      responses:
        "200":
          description: "Ok. Show [UI09](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/search_people.php)"
        "302":
          description: "Redirect after failing to process the
search."
          headers:
            Location:
              schema:
                type: string
                example:
                  302Failure:
                    description: 'Redirect to home
page.'
                    value: '/home'

    /api/comment:
      get:
        operationId: R311
        summary: "R311: Comments from post"
        description: "Provide comments from a post in JSON format.
Access: PUB"
        tags:
          - "M03: Posts and Comments"
        parameters:
          - in: query
            name: id
            description: 'Identifier from post'
            schema:
              type: integer
              required: true
        responses:
          '200':
            description: 'Success.'
            content:
              application/json:
                schema:
                  type: array
                  items:
                    type: object
                    properties:
                      id:
                        type: integer
                      user_id:
                        type: integer
                      text:
                        type: string
                  example:

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        - id: 1
          user_id: 7
          text: "Fabulous!"
        - id: 5
          user_id: 9
          text: "Kinda boring"
    post:
      operationId: R312
      summary: "R312: Create a comment"
      description: "Create a comment. Access: USR"
      tags:
        - "M03: Posts and Comments"
      requestBody:
        required: true
        content:
          application/x-www-form-urlencoded:
            schema:
              type: object
              properties:
                user_id:
                  type: integer
                post_id:
                  type: integer
                text:
                  type: string
              required:
                - user_id
                - post_id
                - text
      responses:
        "200":
          description: "Ok. Show [UI01](http://lbaw2145-piu.lbaw-prod.fe.up.pt)"

    /api/comment/{id}:
      get:
        operationId: R313
        summary: "R313: HTML comment"
        description: "Get the html for a specific comment. Access PUB"
        tags:
          - "M03: Posts and Comments"

        parameters:
          - in: path
            name: id
            description: 'Identifier from comment'
            schema:
              type: integer
            required: true
        responses:
          '200':
            description: 'Success. Returns HTML for the comment'
      delete:
        operationId: R314

```



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summary: "R314: Delete comment"
description: "Delete a comment from user. Access OWN"
tags:
  - "M03: Posts and Comments"

parameters:
  - in: path
    name: id
    description: 'Identifier from comment'
    schema:
      type: integer
    required: true
responses:
  "200":
    description: "Ok. Show [UI01](http://lbaw2145-piu.lbaw-
prod.fe.up.pt)"
put:
  operationId: R315
  summary: "R315: Edit a comment"
  description: "Edit a comment. Access: OWN"
  tags:
    - "M03: Posts and Comments"

parameters:
  - in: path
    name: id
    description: 'Identifier from comment'
    schema:
      type: integer
    required: true

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

responses:
  "200":
    description: "Ok. Show [UI01](http://lbaw2145-piu.lbaw-
prod.fe.up.pt)"

/api/comment/report/{id}:
  post:
    operationId: R316
    summary: "R316: Report a comment"
    description: "Report a comment. Access: USR"
    tags:
      - "M03: Posts and Comments"

```

```

    parameters:
      - in: path
        name: id
        description: 'Identifier from comment'
        schema:
          type: integer
        required: true
    responses:
      "204":
        description: "No content"

/group/{id}:
  get:
    operationId: R401
    summary: "R401: Group page"
    description: "Provide individual group page. Access: MMB, ADM"
    tags:
      - "M04: Groups"
    parameters:
      - in: path
        name: id
        description: 'Identifier from group'
        schema:
          type: integer
        required: true
    responses:
      "200":
        description: "Ok. Show [UI11](http://lbaw2145-piu.lbaw-prod.fe.up.pt/group_page.php)"
      "302":
        description: "User is not a member."
        headers:
          Location:
            schema:
              type: string
            example:
              302Error:
                description: "Not a member.
Redirect to login."
                value: "/login"

/group:
  get:
    operationId: R402
    summary: "R402: Create group page"
    description: "Provide create group page. Access: PUB"
    tags:
      - "M04: Groups"
    responses:
      "200":
        description: "Ok. Show [UI10](http://lbaw2145-piu.lbaw-prod.fe.up.pt/create_group.php)"
      "302":

```

```

        description: "User is not authenticated."
        headers:
            Location:
                schema:
                    type: string
                example:
                    302Error:
                        description: "Not authenticated.
Redirect to login."
                        value: "/login"

/api/group:
  get:
    operationId: R403
    summary: "R403: Group info for user"
    description: "Provide user's groups info in JSON format.
Access: MMB, ADM"
    tags:
      - "M04: Groups"
    parameters:
      - in: query
        name: id
        description: 'Identifier from group'
        schema:
          type: integer
        required: true
    responses:
      '200':
        description: 'Success.'
        content:
          application/json:
            schema:
              type: array
              items:
                type: object
                properties:
                  id:
                    type: integer
                  name:
                    type: string
            example:
              - id: 2
                name: MIEIC
              - id: 5
                name: LBAW

  post:
    operationId: R404
    summary: "R404: Create a group"
    description: "Create a group. Access: USR"
    tags:
      - "M04: Groups"
    requestBody:
      required: true
      content:

```

```
        application/x-www-form-urlencoded:
          schema:
            type: object
            properties:
              name:
                type: integer
            required:
              - name
      responses:
        "200":
          description: "Ok. Show [UI11](http://lbaw2145-piu.lbaw-prod.fe.up.pt/group_page.php)"

    /groups:
      get:
        operationId: R405
        summary: "R405: Search for a group from a string"
        description: "Shows all groups that have a name similar to the search. Access: PUB"
        tags:
          - "M04: Groups"
        parameters:
          - in: query
            name: searched
            description: String to use for full-text search
            schema:
              type: string
            required: true

        responses:
          "200":
            description: "Ok. Show [UI09](http://lbaw2145-piu.lbaw-prod.fe.up.pt/search_groups.php)"

    /api/comment/ban/{id}:
      delete:
        operationId: R501
        summary: "R501: Ban comment"
        description: "Ban a comment from user. Access ADM"
        tags:
          - "M05: Administration"
        parameters:
          - in: path
            name: id
            description: 'Identifier from comment'
            schema:
              type: integer
            required: true
        responses:
          "200":
            description: "Ok. Show [UI12](http://lbaw2145-piu.lbaw-prod.fe.up.pt/admin.php)"
```

```
/api/post/ban/{id}:
  delete:
    operationId: R502
    summary: "R502: Ban post"
    description: "Ban a post from user. Access ADM"
    tags:
      - "M05: Administration"
    parameters:
      - in: path
        name: id
        description: 'Identifier from post'
        schema:
          type: integer
        required: true
    responses:
      "200":
        description: "Ok. Show [UI12](http://lbaw2145-piu.lbaw-prod.fe.up.pt/admin.php)"

/api/reports:
  get:
    operationId: R503
    summary: "R502: Get all reports"
    description: "Get all reports. Access ADM"
    tags:
      - "M05: Administration"
    responses:
      "200":
        description: 'Success.'
        content:
          application/json:
            schema:
              type: array
              items:
                type: object
                properties:
                  id:
                    type: integer
                  user_id:
                    type: integer
                  post_id:
                    type: integer
                  comment_id:
                    type: integer
            example:
              - id: 2
                user_id: 4
                post_id: 25
                comment_id: Null
              - id: 5
                user_id: 27
                post_id: Null
                comment_id: 13
```

```

    /home:
      get:
        operationId: R601
        summary: "R601: Home page"
        description: "Provide home page. Access: PUB"
        tags:
          - "M06: Other routes"
        responses:
          "200":
            description: "Ok. Show [UI01](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/)"
          "302":
            description: "User is not authenticated."
            headers:
              Location:
                schema:
                  type: string
                  example:
                    302Error:
                      description: "Not authenticated.
Redirect to login."
                      value: "/login"

    /about:
      get:
        operationId: R602
        summary: "R602: About page"
        description: "Provide about page. Access: PUB"
        tags:
          - "M06: Other routes"
        responses:
          "200":
            description: "Ok. Show [UI02](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/about.php)"
    /faq:
      get:
        operationId: R603
        summary: "R603: FAQ page"
        description: "Provide FAQ page. Access: PUB"
        tags:
          - "M06: Other routes"
        responses:
          "200":
            description: "Ok. Show [UI03](http://lbaw2145-piu.lbaw-
prod.fe.up.pt/faq.php)"

```

A8: Vertical prototype

In this artefact we present a portion of the final product, containing the implementation of two of the main user stories. The implementation is based off the LBAW Framework and includes work on various layers of the architecture of the solution. It serves as a demonstration of the technologies used and what will be developed in the future.

1. Implemented Features

1.1. Implemented User Stories

The user stories we implemented are described in this table.

User Story reference	Name	Priority	Description
US002	Read Public Posts	High	As a User, I want to read public posts, so that I can keep up with public lives.
US004	Read Public Comments	High	As a User, I want to be able to open the comments of a public post, so that I can read them.
US006	See About Page	High	As a User, I want to be able to see an about page, so that I can get some more information about the webapp and its creators.
US101	Log in	High	As a Guest, I want to be able to log in, so that I can become a Authenticated User.
US102	Register	High	As a Guest, I want to be able to register, so that I can create an account to log into.
US202	Comment	High	As an Authenticated User, I want to be able to comment a post, so that my opinion on that post is stated.
US204	Like a Post	High	As an Authenticated User, I want to be able to like a post, so that I can show my appreciation.
US205	Logout	High	As an Authenticated User, I want to be able to log out of my account, so that I can become a Guest.
US301	Remove a post	Medium	As an Owner of a post, I want to be able to remove a post that I created, so that no one can see it again.
US302	Remove a comment	Medium	As an Owner of a comment, I want to be able to remove a comment of mine, so that no one can see it again.

1.2. Implemented Web Resources

Module M01: Authentication and Registration

Web Resource Reference	URL
------------------------	-----

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 M03: Posts and Comments

Web Resource Reference	URL
R301: Post page	/post/{id}
R302: Post info	GET /api/post
R306: Get likes and dislikes from a post	GET /api/like/{id}
R307: Like or dislike a post	POST /api/like/{id}
R308: Remove a like or dislike	DELETE /api/like/{id}
R312: Create comment	POST /api/comment/{id}
R313: HTML comment	GET /api/comment/{id}
R314: Delete comment	DELETE /api/comment/{id}
R317: Like or dislike a post	PUT /api/like/{id}

Module M05: Other routes

Web Resource Reference	URL
R502: About page	/about

2. Prototype

Our prototype is in <http://lbaw2145.lbaw-prod.fe.up.pt/>

Credentials: - regular user: xamas/password - admin functionalities not yet implemented

Our code is in <https://git.fe.up.pt/lbaw/lbaw2021/lbaw2145/-/tree/master/laravel>

Revision history

GROUP2145, 30/04/2021

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