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

The architecture of the web application to develop is documented indicating the catalogue of resources and the properties of each resource, including: references to the graphical interfaces, and the format of JSON responses. This page presents a documentation for Media Library, including the following operations over data: create, read, update, and delete.

# Overview

An overview of the web application to implement is presented in this section, where the modules are identified and briefly described. The web resources associated with each module are detailed in the individual documentation of each module.

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| M01: Authentication | Web resources associated with user authentication, includes the following system features: login/logout, registration and credential recovery. |
| M02: Users | Web resources associated with users and their individual profile management, including view and edit personal information, add friends, user search and notifications. |
| M03: Events | Web resources associated with events such as CRUD actions on an event, search events, invite and remove participants and CRUD posts. |
| M04: Administration and Static Pages | Web resources associated with administration and static pages, such as view and ban users, view and eliminate events and about page. |

# Permissions

This section defines the permissions used in the modules to establish the conditions of access to resources.

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| --- | --- | --- |
| PUB | Public | Group of users without privileges. |
| USR | User | Authenticated user that can update their profiles and create or join events. |
| OWN | Owner | Group of users that have privileges regarding their events. |
| PRT | Participant | Group of users that can rate and create posts on the event they’ve been at. |
| ADM | Administration | Group of administrators. |

# Modules

This section documents each web resource of each module, indicating the URL, HTTP methods, the possible parameters, interfaces with the user (referring to the A3 artefact) — or JSON responses in the event of APIs.

Module M01: Authentication

Endpoints of Module Authentication:

These are the endpoints available in the Authentication.

* R101: Log-in Form
* R102: Log-in Action
* R103: Sign in Form
* R104: Sign in Action
* R105: Reset Password Form
* R106: Reset Password Action
* R107: Sign Out

Module M02: Users

Endpoints of Module Users:

These are the endpoints available in the Users.

* R201: View Profile
* R202: Edit Profile Form
* R203: Edit Profile Action
* R204: Add Friend
* R205: Accept Friend
* R206: Remove Friend
* R207: Friend’s Activities
* R208: Search Users

Module M03: Events

Endpoints of Module Events:

These are the endpoints available in the Events.

* R301: View Events
* R302: Add Event Form
* R303: Add Event Action
* R304: Edit Event Form
* R305: Edit Event Action
* R306: Delete Event
* R307: Search Events
* R308: Invite Users
* R309: View Participants
* R310: Remove Participants
* R311: View Posts
* R312: Create Post Form
* R313: Create Post Action
* R314: Edit Post Form
* R315: Edit Post Action
* R316: Delete Post
* R317:

Module M04: Administration and Static Pages

Endpoints of Module Administration and Static Pages:

These are the endpoints available in the Administration and Static Pages.

* R401:
* R402:
* R403:
* R404: