

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

This document catalogues the resources used by *SegFault*, and identifies their properties. These include references to the graphical interfaces, and the format of JSON responses. Furthermore, this artifact presents a documentation for the web application, including all operations over data: create, read, update, and delete.

1. Overview

This section presents an overview of the web application to implement, identifies the application's modules and briefly describes them. The web resources associated with each module are detailed in the individual documentation of each module.

M01: Au- thenti- cation	Web resources associated with user authentication, includes the following system features: login/logout and registration.
M02: Indi- vidual Profile	Web resources associated with individual profile management, includes the following system features: view and edit personal profile information, view personal notifications and favorite questions.
M03: Mes- sages	Web resources associated with questions, answers and their comments, includes the following system features: add, view, vote, report and delete questions, add, view, vote, report and delete answers and add, view, vote, report and delete comments.
M04: Cate- gories	Web resources associated with categories, includes the following system features: list categories and search categories
M05: Static Pages	Web resources with static content are associated with this module: about.

2. Permissions

This section defines the permissions used in the modules to establish the conditions of access to resources, in increasing order of restrictiveness.

PUB	Public	Group of users without privileges.
USR	User	Group of authenticated users.

OWN	Owner	Group of users that can update their profiles and have privileges regarding their messages.
MOD	Moderator	Group of Moderators that can manage any message.

3. 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.

Web resources organized by module Document and describe the web resources associated with each module, indicating the URL, HTTP method, request parameters and response. Follow the RESTful resource naming At the end of this page is presented some usual descriptors to document the web resources.

3.1 Module M01: Authentication

Endpoints of module *Authentication*

These are the endpoints available in the Authentication module. * R101: Login Form /login * R102: Login Action /login * ...

R101: Login Form

URL	/login
Method	GET
UI	All pages allow for login, from the <i>navbar</i> . (UI01-UI08)
Submit	R102
Permissions	PUB

R102: Login Action

// TODO Timon // vê o exemplo do media library, é *muito* parecido. ...

3.2 Module M02: Individual Profile

Endpoints of module *Individual Profile*

These are the endpoints available in the Individual Profile module. * ... // TODO Timon

3.3 Module M03: Messages

Endpoints of module *Messages*

- R301: Search Questions Page `/questions`
- R302: Get recent questions `/questions/recent`
- R303: Get hot questions `/questions/hot`
- R304: Get highly voted questions `/questions/highly-voted`
- R305: Get active questions `/questions/active`
- R306: View Question `/questions/{id}`
- R307: Add a new question - Form `/questions/create`
- R308: Add a new question - Action `/questions`
- R309: Edit a question - Form `/questions/{id}/edit`
- R310: Edit a question - Action `/questions/{id}`
- R311: Delete a question - Action `/questions/{id}`
- R312: Add a new answer - Form `/questions/{id}/answers/create`
- R313: Add a new answer - Action `/questions/{id}/answers`
- R314: Edit an answer - Form `/questions/{id}/answers/{id}/edit`
- R315: Edit an answer - Action `/questions/{id}/answers/{id}`
- R316: Delete an answer - Action `/questions/{id}/answers/{id}`

// TODO add/edit/delete comments of questions and answers;

R301: Search Questions Page

URL	<code>/questions</code>
Description	<i>Navbar</i> on the homepage allows searching for a question by it's title.
Method	GET
Parameters	+query: string +categories: string[]
UI	UI01
Response Body	JSON01
Permissions	PUB

R302: Get recent questions

URL	<code>/questions/recent</code>
Description	Page featuring the most recent questions.
Method	GET
UI	UI01
Response Body	JSON01
Permissions	PUB

R303: Get hot questions

// Am working on it - Andre ...

3.4 Module M04: Categories

Endpoints of module *Categories*

3.5 Module M05: Static Pages

Endpoints of module *Static Pages*

// TODO Timon

4. JSON/XML Types

JSON01: Questions

// json containing list of questions and their contents

Document the JSON or XML responses that will be used by the web resources.

Web resources descriptors - Do not include on the final artefact

- URL - Resource identifier, following the RESTful resource naming conventions
- Description - Describe the resource, when it's used and why
- UI - Reference to the A3 user interface used by the resource
- SUBMIT - Reference to the actions/requests integrated with the resource
- Method - HTTP request Method
- Parameters - Information that is sent through the URL, by a query string or path
- Request Body - Data associated and transmitted with each request
- Returns - HTTP code returned from a request
- Response Body - Data sent from the server, in response to a given request
- Permissions - Required permissions to access the resource

Revision history

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