**Back-end routes**

Authorization process:



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| **Path** | **Required role** | **Description** |
| /api/v0.1/auth/sign-in | - | User authorization via REST. Signing in. |
| **Method** | **Parameters** | |
| **GET:** Authorize user. | secret (string): hash that authorizes user and generated on client side using hashing of username, password and key, provided by server.  username (string): name of user, who we want to authorize.  key (string): hash that was generated by server part.  See authorization process diagram above for description. | |

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| **Path** | **Required role** | **Description** |
| /api/v0.1/auth/sign-out | Authenticated | User authorization via REST. Signing out. |
| **Method** | **Parameters** | |
| **GET:** Close current user’s session. |  | |

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| **Path** | **Required role** | **Description** |
| /api/v0.1/entities/tags | None for GET; Admin role for other operations. | CRUD operations for Tag entities. |
| **Method** | **Parameters** | |
| **GET:** Get tags list |  | |
| **POST:** Create new tag | tag: JSON stringified Tag entity. | |

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| **Path** | **Required role** | **Description** |
| /api/v0.1/entities/tags/  {slug} | None for GET; Admin role for other operations. | CRUD operations for Tag entities. |
| **Method** | **Parameters** | |
| **GET:** Get tag by slug | slug: Tag’s slug. | |
| **PUT:** Update tag by slug | slug: Tag’s slug.  article: Updated JSON stringified Tag entity. | |
| **DELETE:** Delete tag by slug | slug: Tag’s slug. | |

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| --- | --- | --- |
| **Path** | **Required role** | **Description** |
| /api/v0.1/entities/articles | None for GET; Admin role for other operations. | CRUD operations for Article entities. |
| **Method** | **Parameters** | |
| **GET:** Get articles list | [Optional] offset (default = 0): Get articles starting from {offset}  [Optional] limit (default = 0): Get not more than {limit} articles  [Optional] sort-field (default = created\_on): By what field to sort articles. Possible values are 'title', 'created\_on', 'updated\_on'.  [Optional] sort-order (default = asc): Sort order. Possible values are 'asc', 'desc'.  [Optional] only-published (default = true): If true, return only published articles. If false, return all articles. Works only when user has Admin role. | |
| **POST:** Create new article | article: JSON stringified Article entity. | |

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| --- | --- | --- |
| **Path** | **Required role** | **Description** |
| /api/v0.1/entities/articles/{slug} | None for GET; Admin role for other operations. | CRUD operations for Article entities. |
| **Method** | **Parameters** | |
| **GET:** Get article by slug | slug: Article’s slug. | |
| **PUT:** Update article by slug | slug: Article’s slug.  article: Updated JSON stringified Article entity. | |
| **DELETE:** Delete article by slug | slug: Article’s slug. | |

**Front-end routes**

Path: /

Brief description: Home page. Display N latest published articles and pagination to reach other articles list.

Required role: -

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Path: /article/{slug}

Parameters:

- [GET, required] slug: Slug of article to display

Brief description: Article's content.

Required role: -

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Path: /tags

Brief description: List of tags.

Required role: -

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Path: /articles

Parameters:

- [GET, optional] tag: Slug of tag for which to get articles list

- [GET, optional] page: Index of page

Brief description: List of articles.

Required role: -

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Path: /sign-in

Brief description: Login screen.

Required role: -

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Path: /admin/

Brief description: Admin dashboard.

Required role: Admin

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Path: /admin/list/tags

Brief description: List of tags.

Required role: Admin

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Path: /admin/list/articles

Parameters:

- [GET, optional] tag: Slug of tag for which to get articles list

- [GET, optional] page: Index of page

Brief description: List of articles.

Required role: Admin

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Path: /admin/list/tags/{slug}

Brief description: Edit tag by slug.

Required role: Admin

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Path: /admin/list/articles/{slug}

Brief description: Edit article by slug.

Required role: Admin