List of model in project

* Post
* Author
* Tag
* Category

The data needed for each model

Category

* Name
* A timestamp with the date and time category was inserted in the database
* A timestamp with the date and time category was updated in the database

Post

* Foreign key to one or many category model
* Foreign keys to one or many tag model
* A foreign key to author model
* Title
* Image
* Content
* A timestamp with the date and time category was inserted in the database
* A timestamp with the date and time category was updated in the database

Tag:

* Foreign keys to post model
* Name
* A timestamp with the date and time category was inserted in the database
* A timestamp with the date and time category was updated in the database

Author:

* Foreign keys to post models
* Username
* Full name
* Number of posts

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| HTTP VERB | SCOPE | SEMANTICS |
| GET | Category | Retrieve a single category. The category must include a list of URLs for each post belongs to the category |
| GET | Collection of categories | Retrieve all the categories in the collection, sorted by their name in ascending order. Each category must include list of URLs for each post belongs to the category |
| POST | Collection of categories | Create a new category in the collection |
| PUT | Category | Update an existing category |
| DELETE | Category | Delete an existing category |
| GET | Post | Retrieve a single post. The post must include name of category it belongs to and the name of author |
| GET | Collection of posts | Retrieve a list of posts, sorted by their name in ascending order. Each post must include it’s category name and the name of author |
| POST | Collection of posts | Create a new post in collection |
| PUT | Post | Update an existing post |
| PATCH | Post | Update one or more fields of an existing post |
| DELETE | Post | Delete an existing post |
| GET | Tag | Retrieve a single tag. It must include the list URLs for each post belongs to the tag |
| GET | Collection of tags | Retrieve all tags. It must include the list of URLs for each post belongs to the tag |
| POST | Collection of tags | Create a new tag |
| PUT | Tag | Update an existing tag |
| DELETE | Tag | Delete an existing tag |
| GET | Author | Retrieve a single author and must include the list of URLs for each post belongs to the author |
| GET | Collection of authors | Retrieve a list of authors and must include the list of URLs for each post belong to the author |
| POST | Collection of authors | Create a new author |
| PUT | Author | Update an existing author |
| PATCH | Author | Update one or more fields of existing author |
| DELETE | Author | Delete an existing author |

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| SCOPE | URI |
| Collection of categories | /categories/ |
| Category | /category/{id} |
| Collection of posts | /posts/ |
| Post | /post/{id} |
| Collection of tag | /tags/ |
| Tag | /tag/{id} |
| Collection of author | /authors/ |
| Author | /author/{id} |