

BLOG APPLICAION

EXTERNAL INTERFACE DESIGN

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1 Introduction

The External Interface Design lists all integrations to and from Blog Application. For every integration, the following elements are presented:

1. Purpose - why and what?
2. Request - data contract and data format
3. Response - data contract and data format

The purpose of the document is to give the reader an exact representation of, what data should be exchanged back and forth.

These APIs accept HTTP GET/POST/PUT/DELETE requests and returns data in the (JSON) format.

2 APIs

2.1 Register user

2.1.1 Purpose

To register a new user

2.1.2 Request

The request is performed as a HTTP POST to the URL:

HTTP POST `https://{ APP PORTAL URL}/api/users/register`

2.1.2.1 Model

Properties	Type	Description	Example Values
email	String	Unique code for the departure location	"bill@mail.com"
password	String	Password for user login later. Minimum length is 6 characters	"123123"

2.1.2.2 Format

```
{
  "email": "bill@mail.com",
  "password": "123123"
}
```

2.1.3 Response

2.1.3.1 Model

Properties	Type	Description	Example Values
_id	String	Id of the created user	"6052a608fb2b964fd83735b9"
email	String	Unique code for the departure location	"bill@mail.com"
__v	Int	Version key of the document	0

2.1.3.2 Format

```
{
  "_id": "6052a608fb2b964fd83735b9",
  "email": "bill@mail.com",
  "__v": 0
}
```

2.2 User Login

2.2.1 Purpose

To login using registered email and password.

2.2.2 Request

The request is performed as a HTTP POST to the URL

HTTP POST `https://{ APP PORTAL URL }/api/users/login`

2.2.2.1 Model

Properties	Type	Description	Example Values
email	String	Unique code for the departure location	"bill@mail.com"
password	String	Password for user login later. Minimum length is 6 characters	"123123"

2.2.2.2 Format

```
{
  "email": "bill@mail.com",
  "password": "123123"
}
```

2.2.3 Response

2.2.3.1 Model

Properties	Type	Description	Example Values
auth-token	String	Signed token for logged in user	"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....UWOKe63ioQlYmSh9K21sCH1c"

2.2.3.2 Format

```
{
  "auth-token":
  "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2MDUyYTYwOGZiMmI5NjRmZDgzNzM1Yjk  
iLCJpYXQiOiJlMTYwOTI5MTI5LGEoYIe3x0mnJ41vw0odUWOKe63ioQlYmSh9K21sCH1c"
}
```

2.3 Delete user

2.3.1 Purpose

To delete registered user.

2.3.2 Request

The request is performed as a HTTP DELETE to the URL

HTTP DELETE `https://{ APP PORTAL URL }/api/users/:id`

2.3.2.1 Headers

Properties	Type	Description	Example Values
auth-token	String	Signed token for logged in user	"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....UWOKe63ioQlYmSh9K21sCH1c"

2.3.3 Response

2.3.3.1 Format

```
"User deleted successfully"
```

2.4 Create post

2.4.1 Purpose

To create blog post as a registered user.

2.4.2 Request

The request is performed as a HTTP POST to the URL

HTTP POST `https://{ APP PORTAL URL }/api/posts/`

2.4.2.1 Headers

Properties	Type	Description	Example Values
auth-token	String	Signed token for logged in user	"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....UWOKe63ioQlYmSh9K21sCH1c"

2.4.2.2 Model

Properties	Type	Description	Example Values
title	String	The title of the post	"Title 1"
body	String	The body content of the post	"Title 1"

2.4.2.3 Format

```
{
  "title": "Title 1",
  "body": "body 1"
}
```

2.4.3 Response

2.4.3.1 Model

Properties	Type	Description	Example Values
_id	String	Id of the created user	"6053b74970a4554468ae11e4"
title	String	The title of the post	"Title 1"
body	String	The body content of the post	"Body 1"
userId	String	The Id of the user created the post	"6052a608fb2b964fd83735b9"
date	Date	The time instance when the post is created	"2021-03-18T20:25:45.384Z"
_v	Int	Version key of the document	0

2.4.3.2 Format

```
{
  "_id": "6053b74970a4554468ae11e4",
  "title": "Title 1",
  "body": "body 1",
  "userId": "6052a608fb2b964fd83735b9",
  "date": "2021-03-18T20:25:45.384Z",
  "__v": 0
},
```


2.5 Get posts

2.5.1 Purpose

To get list of blog posts created by users.

2.5.2 Request

The request is performed as a HTTP GET to the URL

HTTP GET `https://{ APP PORTAL URL }/api/posts/`

2.5.2.1 Query params

Properties	Type	Description	Example Values
keyword	String	Desired keyword for searching posts. Ignore to get all posts.	"Technology"
page	Int	Page number for pagination. Default value is 1.	1, 2, 3
size	Int	Page size for pagination. Default value is 10.	10, 20, 30

2.5.3 Response

Return list of posts with following

2.5.3.1 Model

Properties	Type	Description	Example Values
_id	String	Id of the created user	"6053b74970a4554468ae11e4"
title	String	The title of the post	"Title 1"
body	String	The body content of the post	"Body 1"
userId	String	The Id of the user created the post	"6052a608fb2b964fd83735b9"
date	Date	The time instance when the post is created	"2021-03-18T20:25:45.384Z"
__v	Int	Version key of the document	0

2.5.3.2 Format

```
[
  {
    "_id": "6053b74970a4554468ae11e4",
    "title": "Title 1",
    "body": "body 1",
    "userId": "6052a608fb2b964fd83735b9",
    "date": "2021-03-18T20:25:45.384Z",
```

```
    "__v": 0
  },
  {
    "_id": "6053b74f70a4554468ae11e5",
    "title": "Title 2",
    "body": "body 2",
    "userId": "6052a608fb2b964fd83735b9",
    "date": "2021-03-18T20:25:51.939Z",
    "__v": 0
  }
]
```

2.6 Get post by Id

2.6.1 Purpose

To get blog post detail with provided Id.

2.6.2 Request

The request is performed as a HTTP GET to the URL

HTTP GET https://{ APP PORTAL URL }/api/posts/:id

2.6.3 Response

2.6.3.1 Model

Properties	Type	Description	Example Values
_id	String	Id of the created user	"6053b74970a4554468ae11e4"
title	String	The title of the post	"Title 1"
body	String	The body content of the post	"Body 1"
userId	String	The Id of the user created the post	"6052a608fb2b964fd83735b9"
date	Date	The time instance when the post is created	"2021-03-18T20:25:45.384Z"
__v	Int	Version key of the document	0

2.6.3.2 Format

```
{
  "_id": "6053b74970a4554468ae11e4",
  "title": "Title 1",
  "body": "body 1",
  "userId": "6052a608fb2b964fd83735b9",
  "date": "2021-03-18T20:25:45.384Z",
  "__v": 0
}
```

2.7 Update post

2.7.1 Purpose

To update post created by this user.

2.7.2 Request

The request is performed as a HTTP PUT to the URL

HTTP PUT `https://{ APP PORTAL URL }/api/posts/:id`

2.7.2.1 Headers

Properties	Type	Description	Example Values
auth-token	String	Signed token for logged in user	"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....UWOKe63ioQlYmSh9K21sCH1c"

2.7.2.2 Model

Properties	Type	Description	Example Values
title	String	The title of the post	"Title 1"
body	String	The body content of the post	"Body 1"

2.7.2.3 Format

```
{
  "title": "Title 1",
  "body": "body 1"
}
```

2.7.3 Response

2.7.3.1 Model

Properties	Type	Description	Example Values
_id	String	Id of the created user	"6053b74970a4554468ae11e4"
title	String	The title of the post	"Title 1"
body	String	The body content of the post	"Body 1"
userId	String	The Id of the user created the post	"6052a608fb2b964fd83735b9"
date	Date	The time instance when the post is created	"2021-03-18T20:25:45.384Z"
__v	Int	Version key of the document	0

2.7.3.2 Format

```
{
  "_id": "6053b74970a4554468ae11e4",
  "title": "Title 1",
  "body": "body 1",
  "userId": "6052a608fb2b964fd83735b9",
  "date": "2021-03-18T20:25:45.384Z",
  "__v": 0
}
```

2.8 Delete post

2.8.1 Purpose

To delete post created by this user.

2.8.2 Request

The request is performed as a HTTP DELETE to the URL

HTTP DELETE `https://{ APP PORTAL URL }/api/posts/:id`

2.8.2.1 Headers

Properties	Type	Description	Example Values
auth-token	String	Signed token for logged in user	"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....UWOKe63ioQlYmSh9K21sCH1c"

2.8.3 Response

2.8.3.1 Format

```
"Post deleted successfully"
```