

## Writing API

### 1. Version1:

#### 1.1. Base domain name:

- A) Primary: api.domainName/v1/
- B) Secondary: domainName/api/v1/

#### 1.2. Parts:

##### A) Devices:

##### I List of devices:

###### a URL:

- ApiBaseDomainName/devices/list/

###### b Methods:

- GET

###### c Permissions:

- Everyone has permission to GET data

##### II Specific device details:

###### a URL:

- ApiBaseDomainName/devices/<string:slug>/

###### b Methods:

- GET

###### c Permissions:

- Everyone has permission to GET data

##### III Add devices:

###### a URL:

- ApiBaseDomainName/devices/add/

###### b Methods:

- POST

###### c Permissions:

- Admins
- SuperUsers

##### IV Edit devices:

- a URL:
  - ApiBaseDomainName/devices/<string:slug>/edit/
- b Methods:
  - PATCH
- c Permissions:
  - admins
  - SuperUsers

#### V Delete devices:

- a URL:
  - ApiBaseDomainName/devices/<string:slug>/delete/
- b Methods:
  - DELETE
- c Permissions:
  - admins
  - SuperUsers

#### VI Check devices:

- a URL:
  - ApiBaseDomainName/devices/<string:slug>/check/
- b Method:
  - PATCH
  - POST
- c Permissions:
  - Validators
  - SuperUsers

### B) Blogs:

#### I List of blogs:

- a URL:
  - ApiBaseDomainName/blogs/list/
- b Method:
  - GET
- c Permissions:
  - Everyone has permission to GET data

## II Specific blogs details:

- a URL:
  - ApiBaseDomainName/blogs/<string:slug>/
- b Method:
  - GET
- c Permissions:
  - Everyone has permissions to GET data

## III Add blog:

- a URL:
  - ApiBaseDomainName/blogs/add/
- b Method:
  - POST
- c Permissions:
  - admins
  - superUsers

## IV Edit blog:

- a URL:
  - ApiBaseDomainName/blogs/<string:slug>/edit/
- b Method:
  - PATCH
- c Permissions:
  - admins
  - superUsers

## V Delete blog:

- a URL:
  - ApiBaseDomainName/blogs/<string:slug>/delete/
- b Method:
  - DELETE
- c Permissions:
  - admins
  - users

## VI Check blogs:

- a URL:
  - ApiBaseDomainName/blogs/<string:slug>/check/
- b Method:
  - PATCH
  - POST
- c Permissions:
  - validators
  - superusers

### C) Reviews:

#### I List of reviews:

- a URL:
  - ApiBaseDomainName/reviews/list/
- b Method:
  - GET
- c Permissions:
  - Everyone has access to GET data

#### II Specific review's data:

- a URL:
  - ApiBaseDomainName/reviews/<string:slug>/
- b Method:
  - GET
- c Permissions:
  - Everyone has access to GET data

#### III add review:

- a URL:
  - ApiBaseDomainName/reviews/add/
- b Method:
  - POST
- c Permissions:
  - Admins
  - Superusers

#### IV edit review:

- a URL:

- ApiBaseDomainName/reviews/<string:slug>/edit/

b Method:

- PATCH

c Permissions:

- admins
- superusers

V delete review:

a URL:

- ApiBaseDomainName/reviews/<string:slug>/delete/

b Method:

- DELETE

c Permissions:

- admins
- superusers

VI check review:

a URL:

- ApiBaseDomainName/reviews/<string:slug>/check

b Method:

- PATCH
- POST

c Permissions:

- validators
- superusers

D) User Interactions:

I Compare devices:

a URL:

- ApiBaseDomainName/interactions/Compare/<string:slug1>/<string:slug2>

b Method:

- GET

c Permissions:

- Everyone except guest users

II Commenting:

a URL:

- ApiBaseDomainName/interactions/comment/
- b Methods:
  - POST
- c Permissions:
  - Everyone except guest users can POST data

### III Reporting system:

- a URL:
  - ApiBaseDomainName/interactions/reports/
- b Method:
  - POST
  - GET
- c Permissions:
  - Everyone except guest users can POST data
  - Only validators and superusers can GET all data
  - Owners can get their response (GET)

### IV List of all devices names:

- a URL:
  - ApiBaseDomainName/interactions/names/
- b Method:
  - GET
- c Permissions:
  - Everyone has access to GET data

### E) Users:

#### I Profile:

- a URL:
  - ApiBaseDomainName/accounts/profile/<string:username>/
- b Methods:
  - GET
  - PUT
- c Permissions:
  - All logged in users can see profile(GET, and PUT data)

#### II sign-up:

- a URL:

- `ApiBaseDomainName/accounts/sign-up/`

b Method:

- POST

c Permissions:

- Everyone can sign-up in website

III login:

a URL:

- `ApiBaseDomainName/accounts/login/`

b Method:

- POST

c Permissions:

- Everyone can login to website

IV logout:

a URL:

- `ApiBaseDomainName/accounts/logout/`

b Method:

- POST

c Permissions:

- Only logged in users can logout website

V delete account:

a URL:

- `ApiBaseDomainName/accounts/delete-account/`

b Method:

- POST

c Permissions:

- Only logged in users can delete their account

VI Change password:

a URL:

- `ApiBaseDomainName/accounts/change-password/`

b Method:

- POST

c Permissions:

- All logged in users

## VII Password recovery:

- a URL:
  - ApiBaseDomainName/accounts/password-recovery/
- b Method:
  - POST
- c Permissions:
  - Everyone can recover their password

## VIII Password recovery verification:

- a URL:
  - ApiBaseDomainName/accounts/password-recovery/<string:email>/<int:code>/
- b Method:
  - POST
- c Permissions:
  - Everyone