

Short URL API document

Host - <http://104.211.114.82/>

APIs

1. Generate short url

Desc - Generate short url given a big url

Request -

URL - {host}/api/v1/miniurl

Method - POST

Headers - Authorization - {access token} (optional)

Body - {

 "url": {url},

 "expiry": {expiry time} (optional)

}

Response -

Success - {

 short_url: {short_url}

}, 201

Error - {"error": {error message}}, 400

Req fields

Authorization - Optional - value is access token from login api

url - Required - actual url

expiry - optional - expiry time

Res fields

short_url - short version url

2. Redirect to url

Desc - redirect to actual url from short url

Request -

URL - {host}/{url_code}

Method - GET

Response -

Success - Redirect to original url

Error - {"error": "Unable to find url for redirection."}, 404

3. Signup

Desc - signup to platform or service

Request -

URL - {host}/api/v1/signup

Method - POST

Body - {
 "username": {username},
 "password": {password}
}

Response -

Success - {
 "id": "5e8bc2aea5a3c705f7d43037",
 "username": "ankitjd",
 "url_limit": 50
}, 201

Error - {error: {Some error}}, 400

4. Login

Desc - Login into the server

Request -

URL - {host}/api/v1/login

Method - POST

Body - {
 "username": {username},
 "password": {password}
}

Response -

Success - {
 "access": {
 "token":
"eyJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoiaWU4YmMyYWVhNWEzYzcnN
WY3ZDQzMMDM3liwiZXhwaXJ5X3RpbWUiOiIyMDIwLTA0LTA3VDA2OjQ
yOjlxKzA1OjMwliwicmVmcmVzaCI6ZmFsc2V9.9dISvpPLGGPW9TrWCs
_J1Kcb6CQ8BLXNgS-Qme91rlo",
 "expiry_time": "2020-04-07T06:42:21.653+05:30"
 },
 "refresh": {
 "token":
"eyJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoiaWU4YmMyYWVhNWEzYzcnN
WY3ZDQzMMDM3liwiZXhwaXJ5X3RpbWUiOiIyMDIwLTA4VDA1OjQ"

```

yOjlxKzA1OjMwliwicmVmcmVzaCI6dHJ1ZX0.X0t1uiAL0GqOYUOxK1jFpr
kt8qPzQJQAsZW3QLWbJvI",
    "expiry_time": "2020-04-08T05:42:21.654+05:30"
  }
}
Error - {error: {authentication error}}, 401
        {error: {missing param}}, 400

```

5. Refresh token

Desc - Get new set of tokens

Request -

URL - {host}/api/v1/token/refresh
 Method - PUT
 Headers - Authorization - {access token}
 - RefreshToken - {refresh token}

Response -

```

Success - {
    "access": {
        "token":
        "eyJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoibWU4YmMyYWVhNWEzYzcnN
        WY3ZDQzMMDM3liwiZXhwaXJ5X3RpbWUiOiIyMDIwLTA0LTA3VDA2OjQ
        yOjlxKzA1OjMwliwicmVmcmVzaCI6ZmFsc2V9.9dISvpPLGGPW9TrWCs
        _J1Kcb6CQ8BLXNgS-Qme91rlo",
        "expiry_time": "2020-04-07T06:42:21.653+05:30"
    },
    "refresh": {
        "token":
        "eyJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoibWU4YmMyYWVhNWEzYzcnN
        WY3ZDQzMMDM3liwiZXhwaXJ5X3RpbWUiOiIyMDIwLTA0LTA4VDA1OjQ
        yOjlxKzA1OjMwliwicmVmcmVzaCI6dHJ1ZX0.X0t1uiAL0GqOYUOxK1jFpr
        kt8qPzQJQAsZW3QLWbJvI",
        "expiry_time": "2020-04-08T05:42:21.654+05:30"
    }
}
Error - {error: {Authentication error}}, 401

```

6. Logout

Desc - logout from server api

Request -

URL - {host}/api/v1/logout
 Method - DELETE
 Headers - Authorization - {access token}

- RefreshToken - {refresh token}

Response -

Success - {msg: "Successfully logged out!!"}, 200

Error - {error: "Authentication error"}, 401

- {error: "JWT error"}, 400

7. URL list

Desc - Get url list generated by a user by that user

Request -

URL - {host}/api/v1/miniurls

Method - GET

Headers - Authorization - {access token}

Response -

Success - {

"urls": [

{

"_id": "5e8b49baa5a3c7ef46c760a2",

"expiry": null,

"redirect_count": 0,

"url":

"https://www.educative.io/courses/grokking-the-system-design-interview/
m2ygV4E81AR",

"url_code": "iVYF0btE",

"user_id": "5e8b2919a5a3c7eb99a823a8"

}

]

}

Error - {error: "No URL found"}, 404

8. Marking url expire

Desc - Mark a url expired and remove it

Request -

URL - {host}/api/v1/miniurl

Method - DELETE

Headers - Authorization - {access token}

Body - {

"id": {id of the record}

Or

"url_code": {url code}

}

Response -

Success - {msg: 'Successfully expired.'}, 200

Error - {error: "missing parameter"}, 400