



Pokedex

Pokedex REST API that returns Pokemon information.

Token Authentication optional

For token authentication, in every request API has to send JWT as Bearer in header Authorization if API configuration token enable is true.

Authorization: Bearer {{AccessToken}}

| Function | Method |
|-----------------------|---------------------------------------|
| Authorization | Bearer Token |
| Security claims | JSON Web Token (JWT) |
| JOSE Header Algorithm | HMAC SHA256 (Base64Url) |
| JWS Payload | Identity (Must Include user identity) |

Pokedex API will receive bearer token as JWT and will decode JWT using a secret key and will make sure that token is valid. In case of an expired or invalid JWT, Pokedex API will return an error with HTTP code 401 (Unauthorized).

API Status Codes

| Http Code | Error Code | Description |
|-----------|------------------------------|---|
| 200 | OK | Success |
| 401 | INVALID_ACCESS_TOKEN | Invalid Token |
| | | Token is Expired |
| | | User Identity is not present inside JWT payload |
| | | JWT algorithm is not HMAC SHA256 |
| | UNAUTHORIZED | The credentials provided aren't valid. |
| 404 | NOT_FOUND | The requested resource does not exist on the server |
| 422 | EMPTY_POKEMON_NAME | Pokemon name is empty |
| 500 | INTERNAL_SERVER_ERROR | Casting or divide by zero etc problem |
| 502 | DATABASE_CONFIGURATION_ERROR | MongoDB configuration error. |



API 1 Basic Pokemon Information

/HTTP/GET/pokemon/<pokemon name>

Given a Pokemon name, returns standard Pokemon description and additional information.

Endpoint

http://localhost:8000/pokemon/hasan

Path Variables

| # | Field Name | Format | M/O/C | Description |
|---|------------|--------|-------|---------------|
| 1 | name | string | M | Pokemon name. |

Response Data Fields

| # | Field Name | Format | M/O/C | Description |
|---|-------------|--------|-------|---------------------------------|
| 1 | name | string | M | Pokemon's name. |
| 2 | description | string | M | Pokemon's standard description. |
| 3 | habitat | string | M | Pokemon's habitat. |
| 4 | isLegendary | bool | M | Pokemon's legendary status. |

JSON Request and Response Body

| Method | Request Path | Response Body | Format |
|---|--|--|--------|
| GET Success HTTP 200 OK | http://localhost:8000/ pokemon/hasan | { "name": "Hasan", "description": "It was created by a scientist after years of horrific gene splicing and DNA engineering experiments", "habitat": "rare", "isLegendary": false } | JSON |
| GET Failed 401 | http://localhost:8000/ pokemon/hasan1 | { "error_code": "UNAUTHORIZED", "data": { "field": "Name", "message": "The credentials provided aren't valid." } } | JSON |



API 2 Translated Pokemon Information

/HTTP/GET/pokemon/translated/<pokemon name>

Given a Pokemon name, returns translated Pokemon description and other basic information using the following rules -

1. If the Pokemon's habitat is a cave or it's a legendary Pokemon then will be applied to Yoda translation.
2. For all other Pokemon will be applied to the Shakespeare translation.
3. If you can't translate the Pokemon's description then it will be used as the standard description.

Endpoint

http://localhost:8000/pokemon/translated/Craig

Path Variables

| # | Field Name | Format | M/O/C | Description |
|---|------------|--------|-------|---------------|
| 1 | name | string | M | Pokemon name. |

Response Data Fields

| # | Field Name | Format | M/O/C | Description |
|---|-------------|--------|-------|-----------------------------------|
| 1 | name | string | M | Pokemon's name. |
| 2 | description | string | M | Pokemon's translated description. |
| 3 | habitat | string | M | Pokemon's habitat. |
| 4 | isLegendary | bool | M | Pokemon's legendary status. |

JSON Request and Response Body

| Method | Request Path | Response Body | Format |
|---|---|---|--------|
| GET Success HTTP 200 OK | http://localhost:8000/ pokemon/translated/ Craig | { "name": "Craig", "description": "Created by a scientist after years of horrific genesplicing and dna engineering experiments, it was", "habitat": "rare", "isLegendary": true } | JSON |
| GET Failed 401 | http://localhost:8000/ pokemon/translated/ Craig1 | { "error_code": "UNAUTHORIZED", "data": { "field": "Name", "message": "The credentials provided aren't valid." } } | JSON |