**API Specification Doc**

**(*Anagramica App* )**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 07-Dec-2019 | Ramya | Initial draft |
| 1.1 | 08-Dec-2019 | Ramya | Completed version |

## 

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## 

## 

## 

## Methods

## 1. generatestring

Authentication is not required. Call the api and it would generate a random string.

Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | https://bbdo41es80.execute-api.us-east-1.amazonaws.com/dev/generate |

Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **{**  "generatedString": "eifbu"  **}** |

## 2. validate

It will display the anagram and other details you submitted.

Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | https://bbdo41es80.execute-api.us-east-1.amazonaws.com/dev/validate |

Use POSTMAN to post a JSON in the below format.

|  |  |  |
| --- | --- | --- |
| **Type** | **JSON** | **Points to remember** |
| POSTMAN  JSON | {  "userId": "User1",  "generatedString": "sinla",  "anagrams": ["snail", "sailn"]  } | UserId is VARCHAR  generateString is VARCHAR  generateString is VARCHAR |

**auth\_key**

Not required

**Validations**

The current versions don’t support any error handling. It will released in the future version.

Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {      "message": "Thanks for your submission! Checking your inputs with  anagram will be released in the future.",      "User\_Id": "User1",      "generated\_String": "sinla",      "UserAnagramSub": [          "snail",          "sailn"      ]  } |

Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP status code of response.
* All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
* All response are in JSON format.
* All request parameters are mandatory unless explicitly marked as [optional]

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

200 - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |