NEUTLAN DEVELOPER REST API SERVICE – Version 1

Neutlan is an application which provides a check system for any content which has biased phrases. Other than classifying sentences as biased and unbiased, Neutlan also has a service which provides suggesstions to these biased sentences. With this REST API service, you can integrate these services of Neutlan to your application for developing purposes.

Authentication

The OAuth2.0 authentication method is supported for the Neutlan REST APIs. For this developer REST API service, you will have a access token. To generate this token, you need to follow the following steps:

- First you need to sign up to Neutlan from the website: https://neutlan.com/sign-up
- Then you are going to sign in and go to the Developer page in our app which is written at the right corner of header of the website.
- Then you are going to generate the token by clicking to the button for token then a message will be shown to you about what your token is.

After you get your personal access token, you are ready. Please try not to forget this token because you will need it for calling APIs. In case, whenever you forgot, you can sign in to our app and you can learn your token again from the developer page.

URI Structure

Neutlan REST APIs provide access to resources via URI paths. To use a REST API, your application makes an HTTP request and parse the response.

The Jira REST API uses JSON as its communication format and the standard HTTP methods like GET and POST. URIs for Jira REST API resource have the following structure:

- https://neutlan.com/api/endpoint-name/function-name

Currently there are two endpoint names available, which will be discussed later on this page:

- developer – for operations a developer can execute

- analytics – for operating to get analytics of the Neutlan app

REST APIs

At the moment, REST APIs provide two functionalities in developer endpoint and three functionalities in analytics endpoint. For developer endpoint, predict_text, paraphrase_text, functionalities are provided. For analytics endpoint, two functionalities provided as get_analytics and get_user_distribution.

1. POST: Predict_text

Returns whether given text is biased or not.

OAuth2.0: **required**

Endpoint: **/api/developer/predict_text**

Request:

- One parameter named **text** in data attribute of the request

- Headers with authorization **token** (the token you get from the website)

Responses:

- **200 OK: returns if the request is successful**

Example Call in python:

```python
url = "https://neutlan.com/api/developer/predict_text"
headers={'Authorization': token}
data = {
    'text': 'Men are superior than women',
}

response = requests.request(
    "POST",
    url,
    data=data,
     headers=headers
)

print(response.text)
```

Example response:

```
{"text":[{"content":"Men are superior than women","biased":true}]}
```

2. POST: Paraphrase_text

Returns the suggestion for the particular sentence

OAuth2.0: **required**

Endpoint: **/api/developer/paraphrase_text**

Request:

- One parameter named **text** in data attribute of the request

- Headers with authorization **token** (the token you get from the website)

Responses:

- **200 OK: returns if the request is successful**

Example Call in python:

```python
url = "https://neutlan.com/api/developer/paraphrase_text"
headers={'Authorization': token}
data = {
    'text': 'Women are weak',
}

response = requests.request(
    "POST",
    url,
    data=data,
     headers=headers
)

print(response.text)
```

Example response:

```
{"text":{"recommendation":"People are weak.","value":false}}
```

3. GET: Get_analytics

Returns the general analytics of the Neutlan application.

OAuth2.0: **required**

Endpoint: **/api/analytics/get_analytics**

Request:

- Headers with authorization **token** (the token you get from the website)

Responses:

- **200 OK: returns if the request is successful**

Example Call in python:

```python
url = "https://neutlan.com/api/analytics/get_analytics"
headers={'Authorization': token}

response = requests.request(
    "GET",
    url,
     headers=headers
)

print(response.text)
```

Example response:

```
{"analytics":{"uploaded_files":17,"detected_biased_content_count":852,"detected_unbiased_content_count":1434,"paraphrase_coun
t":88,"precessed_content_count":2372}}
```

4. GET: Get_user_distribution

Returns the general user distribution of the Neutlan application

OAuth2.0: **required**

Endpoint: **/api/analytics/get_user_distribution**

Request:

- Headers with authorization **token** (the token you get from the website)

Responses:

- **200 OK: returns if the request is successful**

Example Call in python:

```python
url = "https://neutlan.com/api/analytics/get_user_distribution"
headers={'Authorization': token}

response = requests.request(
    "GET",
    url,
    headers=headers
)

print(response.text)
```

Example response:

```
{"num_of_female":1,"num_of_male":1,"num_of_other":0,"num_user":2,"avg_age":25.0,"jobs":["421421412"]}
```