# Grammar and Spell Checking APIs LanguageTool

To see full documentation: [LanguageTool HTTP API](https://languagetool.org/http-api/)

It has main two endpoints

|  |  |
| --- | --- |
| **GET** | List of Languages // return information about supported languages  URL: <https://dnaber-languagetool.p.rapidapi.com/v2/languages> |
| **POST** | Text checking // check text and return errors and its correction  URL: <https://dnaber-languagetool.p.rapidapi.com/v2/check> |

Example on How to check text

|  |  |
| --- | --- |
| **POST** | Text checking |

Request

const axios = require("axios");

const encodedParams = new URLSearchParams();

encodedParams.append("language", "en-US");          // what is the language of the text

encodedParams.append("text", "This is a error.");  // text that we want to check

const options = {

  method: 'POST',

  url: 'https://api.languagetoolplus.com/v2/check',

  data: encodedParams

};

axios.request(options).then(function (response) {

    console.log(response.data);

}).catch(function (error) {

    console.error(error);

});

Response

{

  "software": {

    "name": "LanguageTool",

    "version": "6.0-SNAPSHOT",

    "buildDate": "2022-12-12 17:39:43 +0000",

    "apiVersion": 1,

    "premium": true,

    "premiumHint": "You might be missing errors only the Premium version can find. Contact us at support<at>languagetoolplus.com.",

    "status": ""

  },

  "warnings": {

    "incompleteResults": false

  },

  "language": {

    "name": "English (US)",

    "code": "en-US",

    "detectedLanguage": {

      "name": "English (US)",

      "code": "en-US",

      "confidence": 0.528,

      "source": "ngram"

    }

  },

  "matches": [

    {

      "message": "Use “an” instead of ‘a’ if the following word starts with a vowel sound, e.g. ‘an article’, ‘an hour’.",

      "shortMessage": "Wrong article",

      "replacements": [

        {

          "value": "an"

        }

      ],

      "offset": 8,

      "length": 1,

      "context": {

        "text": "This is a error.",

        "offset": 8,

        "length": 1

      },

      "sentence": "This is a error.",

      "type": {

        "typeName": "Other"

      },

      "rule": {

        "id": "EN\_A\_VS\_AN",

        "description": "Use of 'a' vs. 'an'",

        "issueType": "misspelling",

        "urls": [

          {

            "value": "https://languagetool.org/insights/post/indefinite-articles/"

          }

        ],

        "category": {

          "id": "MISC",

          "name": "Miscellaneous"

        },

        "isPremium": false

      },

      "ignoreForIncompleteSentence": false,

      "contextForSureMatch": 1

    }

  ],

  "sentenceRanges": [[0, 16]]

}

Description

Ignore software, warnings, and language objects

What is important is matches array is has all information about errors in the text

Objects in matches array

|  |  |
| --- | --- |
| **object** | **Description** |
| message | What is the wrong |
| replacements | What should be replaced |
| offset | Index of beginning of the wrong word |
| length | Numbers of characters that is in the wrong word |
| rule | Content information about the wrong and helper links for some articles for study this topic |

# For translation

We can use **google-translate-api**

Docs: [google-translate-api - npm (npmjs.com)](https://www.npmjs.com/package/google-translate-api)