

# TEST PLAN

## API

*Project Scope – Language Detection API*

*Project Details – Confidential*

**Testing Recipes**

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## Revision Sheet

Release No.	Date	Revision Description
Pre Draft		Test Plan

**Other References -**

**Environment Details -**

**<https://detectlanguage.com/>**

**API Key - 2a797567e3ae844c8e522c5500b86886**

**Credentials -**

# TEST PLAN

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## 1. LANGUAGE DETECTION API

This is a language detection web-service. It accepts text and produces result with detected language code and score.

Currently detects 160 languages.

## 2. GENERAL INFORMATION

### 1.1 Purpose

The document is limited to API

## 1. INTRODUCTION

### 1.2 Testing Strategy

Testing is the process of analyzing a software item to detect the differences between existing and required conditions and to evaluate the features of the software item. (This may appear as a specific document (such as a Test Specification), or it may be part of the organizations's standard test approach. For each level of testing, there should be a test plan and an appropriate set of deliverables. The test strategy should be clearly defined and the Software Test Plan acts as the high-level test plan. Specific testing activities will have their own test plan. Refer to section 5 of this document for a detailed list of specific test

## Purpose for this level of test

- Items to be tested,
- Localization Support
- Pass / Fail criteria,
- Milestones and Schedules
- Risk assumptions and constraints.

## 1.3 Scope

This scope of the current project is limited to Testing the API

## 1.4 References

<https://detectlanguage.com/>

## 3. Features To Be Tested

Testing of Language Detection API

160 language support needs to be Tested using API

## 5. Entry Criteria

The application is stable

Unit Tests are covered/passed

Release notes and documentation available

Test Execution Environment is available

### API Clients

We have prepared API clients for following programming languages. Please follow the link and you will find the instructions how to setup API client.

- [Ruby](#)
- [Java](#)
- [Python](#)
- [PHP](#)
- [C# \(.NET\)](#)

If your programming language is not listed here, you can use JSON API directly.

### API

#### JSON API Usage

- [Basic Detection](#)
  - [Batch Requests](#)
  - [Accessing Your Counters & Plan Details](#)
  - [Getting All Languages](#)
  - [Secure Mode \(SSL\)](#)
- 

### Basic Detection

Simply submit HTTP request to **<http://ws.detectlanguage.com/0.2/detect>**  
API produces results in JSON format.

HTTP POST method should be used to send request.

GET method is deprecated and can cause errors with larger requests.

#### Request parameters

- **q** - your text, mandatory
- **key** - your API key, mandatory

#### *Request example*

HTTP POST method should be used to send request.

## Response format

API produces results in JSON format. Response contains array of language candidates.

Each object contains following values:

- [Language code](#)
- [Confidence score](#)
- Is reliable - true/false

## Batch request example

To make batch request just pass array of texts in **q** parameter.

[http://ws.detectlanguage.com/0.2/detect?q\[\]=buenos+dias+señor&q\[\]=hello+world&key=demo](http://ws.detectlanguage.com/0.2/detect?q[]=buenos+dias+señor&q[]=hello+world&key=demo)

## Batch response example

Result is JSON array with detections listed in the same order as request texts.

```
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
{
  "data": {
    "detections": [
      {
        "language": "es",
        "isReliable": true,
        "confidence": 10.24
      },
      {
        "language": "en",
        "isReliable": true,
        "confidence": 11.94
      }
    ]
  }
}
```

[view raw detectlanguage-batch.json](#) hosted with ❤ by [GitHub](#)

## Accessing Your Counters & Plan Details

User request and data counters can be accessed at <http://ws.detectlanguage.com/0.2/user/status>

## Request parameters

- **key** - your API key, mandatory

## Response

- **date** - today's date (UTC timezone)
- **requests** - requests sent today
- **bytes** - text bytes sent today
- **plan** - plan code
- **plan\_expires** - plan expiration date
- **daily\_requests\_limit** - requests limit per day
- **daily\_bytes\_limit** - bytes limit per day

## Getting All Languages

List of all languages is accessible at <http://ws.detectlanguage.com/0.2/languages>

## Secure Mode (SSL)

Texts submitted to the API are used by language detection engine only. Texts are not stored or used in any other way.

If you are passing sensitive information to the API, you can use **HTTPS** protocol to ensure secure network transfer.

SSL usage adds data and processing overhead and is slower than plain HTTP. Please use only if encryption is really necessary.

## 5.6 Security Testing

Not sure

## 5.7 Recovery Testing

## 5.8 Performance Testing

Not Sure

## 5.9 Regression Testing

No

## 7.4 Resources

## 7.5 Schedule

## 8. Environmental Requirements

## 8.3 Security

(Identify the testing environment security and asset protection requirements.)

## 8.4 Tools

(Identify the special software tools, techniques, and methodologies employed in the testing efforts. The purpose and use of each tool shall be described. Plans for the acquisition, training, support, and qualification for each tool or technique.)

## 8.6 Risks and Assumptions

(Identify significant constraints on testing such as test item availability, test resource availability, and time constraints. Identify the risks and assumptions)

## 9. Change Management Procedures

(Identify the software test plan change management process. Define the change initiation, change review, and change authorisation process.)

## Tracking and Reporting

### **Test Cases**

### **Bug Tracking and Reporting**

### **Test Execution and Progress Reporting**

### **Number of Test Execution Cycles**

## Other Standards and Checklist

### **Coding Guidelines -**

### **Check in Guidelines -**

## Language Support

### 1. HTTP Post q + API



	Request	Response lan, con, t/f	Pass/Fail
Test			

## 2. HTTPS Post

	Request	Response	Pass/Fail
Test			

Post Parameterisation / Language Metric

JSON

Perl

Python

.net

Release

Lessons Learnt


<http://ws.detectlanguage.com/0.2/detect?q=buenos+dias+señor&key=demo>