

Text Detector App

Overview

This PDF will help you to understand the purpose and usage of this tool.

The Text Detector App was part of the **Inclusive Language project**, and its purpose was to detect every word found in every image published in Team Site, in those detected words, found the marked words that were selected to be in the scope (master, slave, blacklist, etc).

This task was completed thanks to the Optica Character Recognition (OCR) tool from the Google cloud (<https://cloud.google.com/vision/docs/ocr>).

Basically the text detector app helps sending the images to the OCR API and interpreting the received data.

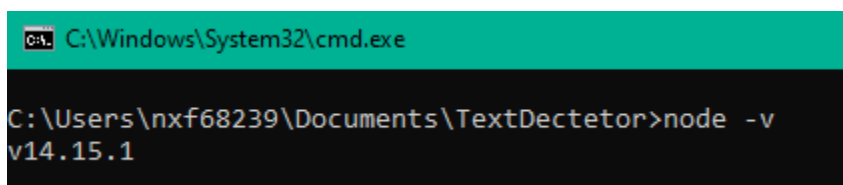
Unfortunately not all the images were processed, because The OCR only supports these file formats: <https://cloud.google.com/vision/docs/supported-files>.

The text detector app was built in NodeJs.

Installation & Execution

Please follow these steps to configure your environment.

1. Download and install NodeJS: <https://nodejs.org/en/download/>
2. To make sure you have installed NodeJS correctly type the following in the Command Line (CMD): `node -v` and you should see the version of your NodeJS.



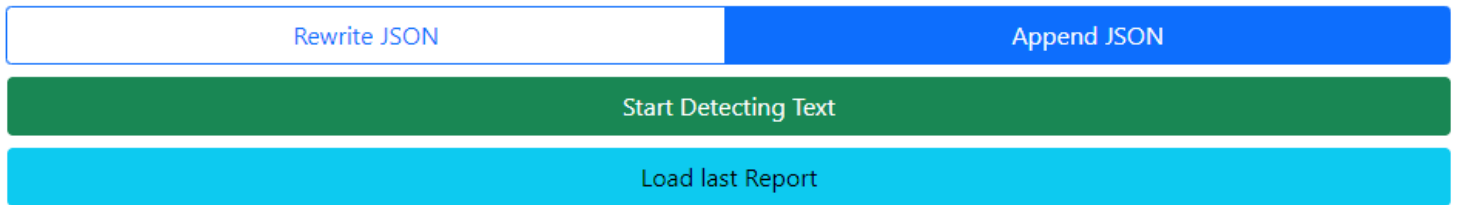
```
C:\Windows\System32\cmd.exe
C:\Users\nxf68239\Documents\TextDectetor>node -v
v14.15.1
```

3. In the same terminal window go the **TextDector** root folder
4. Type the following command: `npm install` This will install the dependencies.

Now you are ready to execute the app.

1. Open the folder **TextDetector** and right click in the file **setup.ps1**.
2. In the options select **Run with PowerShell**.
3. Wait until you see a blue screen with a text that says 'Server started at port: 300'.
4. Open your browser and go to this link: **`http://localhost:3000`**

UI Components



The app will generate a new JSON file called **ocr_report.json** if the **Rewrite JSON** option is selected otherwise this will use the same file but will append the new data.

The load last report will convert the data from the **ocr_report.json** file into a table to see in a more readable manner.

IMPORTANT: Do not start detecting text unless it is indicated.

first of all you need to be aware of the pricing details <https://cloud.google.com/vision/pricing>