

## API-ENDPOINT Documentation

---

**Note: Authentication of User Login is via Google Firebase. So, not implemented any endpoints regarding authentication.**

### 1) /upload/{func\_code}/ :-

**Method:** POST

**Parameters:** FormData Angular Object, consisting of zip-file, zip-file's name

formdata is of json-format : {"file", blob(i.e. zip-file), string(i.e. filename)}

**Return:** None

**Description:**

- 1) Uploads zip-file to backend and processes it to find the plagiarism percentages between the constituent files.
- 2) Expected to upload a zip file here.
- 3) All files to be tested, should be directly inside the zip. i.e. they should not be present inside a folder in the zip
- 4)
  - **func\_code=5** then the file sent in request data will be saved as **stub file**
  - **func\_code = 0 or 1 or 2 or 3** the file sent in request data is saved as **zip file** and will be processed as described below
  - **func\_code=0** then files uploaded will be processed as if they are **text files** and **no stub code** given
  - **func\_code=1** then files uploaded will be processed as if they are **C++ files** and **no stub code** given
  - **func\_code=2** then files uploaded will be processed as if they are **text files** with **stub code** given
  - **func\_code=3** then files uploaded will be processed as if they are **C++** with **stub code** given
- 5) **Caution:** the moment you upload a new zip file all your old results are lost.

## 2) /download/{filename}/ :-

**Method:** GET

**Parameters:** None

**Return:** downloads the processed results of the input zip provided.

if filename = "png" (or) "showImage", downloads an image result.

if filename = "csv", downloads a csv result file.

**Headers:** {header=HttpHeaders ({ "Authorization": 'JWT' + (your Current Token Object's key)}),

observe: 'body', responsetype: 'arraybuffer' as 'json'}

**Description:**

- 1) Downloads the results from processing the zip file uploaded.
- 2) Downloadable results consist of a csv file showing the plagiarism percentages between the files, decreasingly sorted; and also an image depicting the Plagiarism-Percentages between the files, as a Heatmap-matrix.