

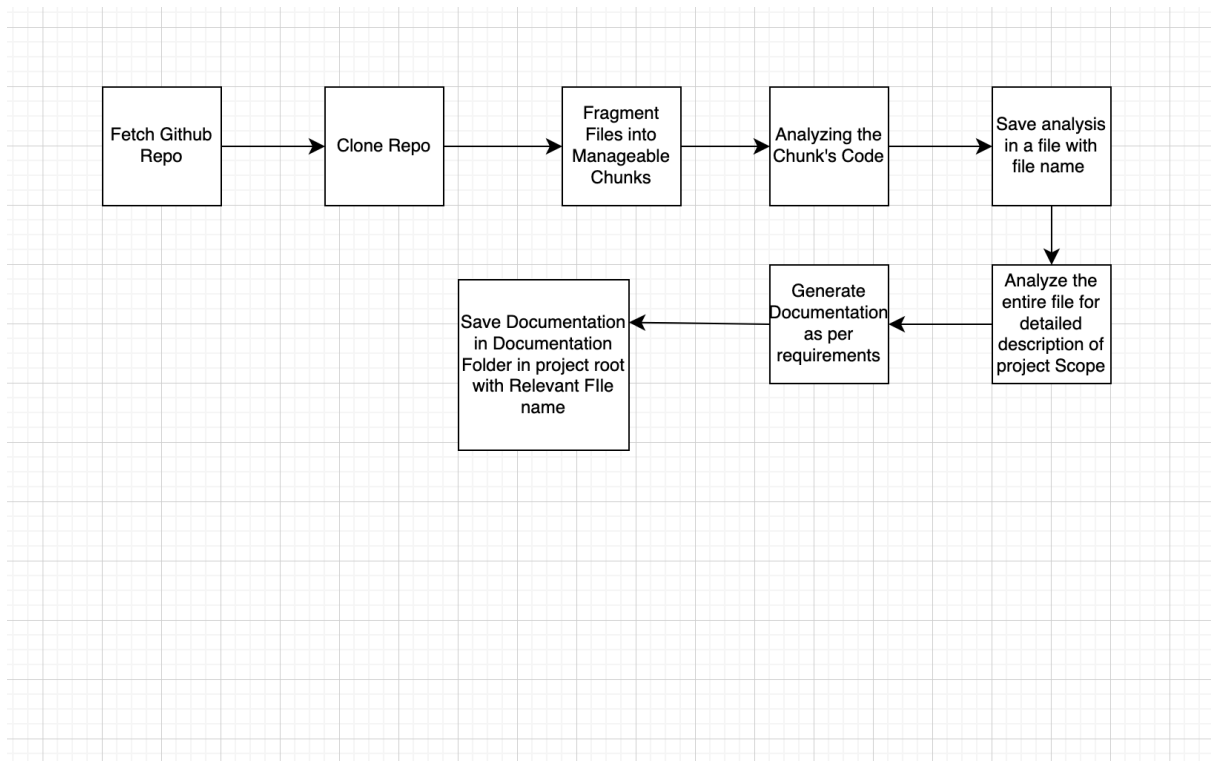


Randish - Echo

I. Introduction

Echo is a reflection of your code in text. It is a SaaS program that helps user create various types of documentation (External & Internal) just by referencing their github repository.

II. Pipeline



Step 1:

Fetching the Github Repo using Github API Key and make sure the right user is logging in, the user using the website needs to link their github and they can only do documentation for their own code base.

Step 2:

Cloning the Repo, this is not literally cloning the repo but just understanding the files in general and creating a local copy of them without wasting too much space - this can be a temporary folder, or just keep queueing the github api if network speed is low.

Step 3:

Fragment Files into Manageable chunks. Sometimes files are longer than ChatGPT's token limit, therefore we need to divide them into manageable chunks for Chatgpt's GPT4o's token limit capacity

Step 4:

Analyzing the Chunks code. After deviding the chunks its time to analyze their

code base to understand project scope and interconnectivity between different files and pipelines including dockerfiles, we skip node and venv modules.

Step 5:

Save Analysis Files in a file with file name. After the chunks have been analyze dump the analysis in one file called: analysis.txt with this format:

```
file_name.programming_language
```

```
TEXT TEXT TEXT
```

```
—
```

```
file_name.programming_language
```

```
TEXT TEXT TEXT
```

Step 6:

Analyze the entire file (analysis.txt) to understand project scope and etc.

Step 7:

Generate Documentation as per documentation. The user will select out of the multiple documentation types and in this case the documentation will be more leaning towards that type of documentation type. This is split between external and internal documentation.

Step 8:

Save Documentation in Documentation folder. Well this is easy to understand



Note: The documentation style has to be pre-defined by the desing_module.md/txt/pdf, etc file in the documentation folder in root project folder. If this file doesnt exist use major colors used in project dir (CSS, json, txt, env, etc) Over used colors should be used as headings and etc, use modern documentation stylings.