Brankas Uploader Task

APIs

/api/v1/upload	Handle Upload logic
/	Serves the Form
/api/v1/health_check	Health Check API

Running Project

Navigate inside the project and run.

go run main.go

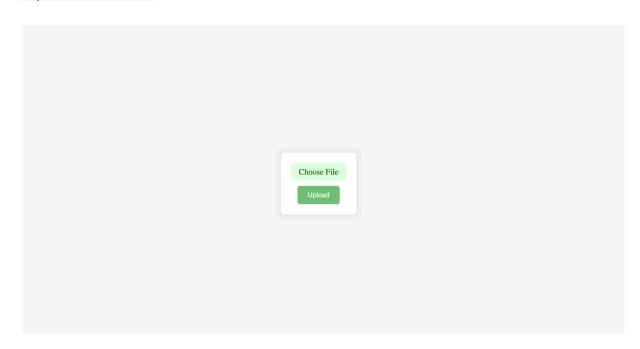
- This will run the server on localhost:4000 (Can be changed in .env file)
- It will connect to a managed PSQL database in GCP Cloud SQL.
- Also go get required packages

Server StartUp



Form

http://localhost:4000/



Upload File



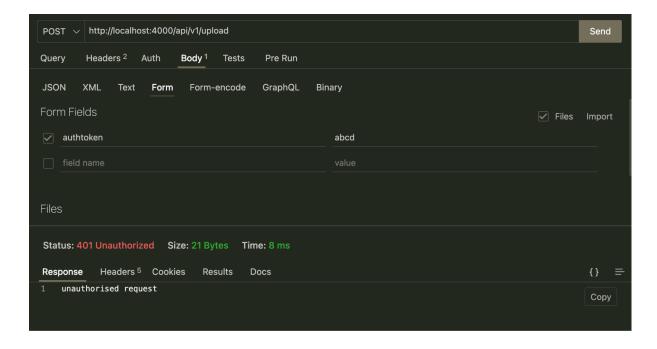
API Responses

200 OK Response

```
"id": 33,
   "filename": "pic.jpeg",
   "file_type": "image/jpeg",
   "size": 409988,
   "uri": "tmp/upload-370870609.png"
}
```

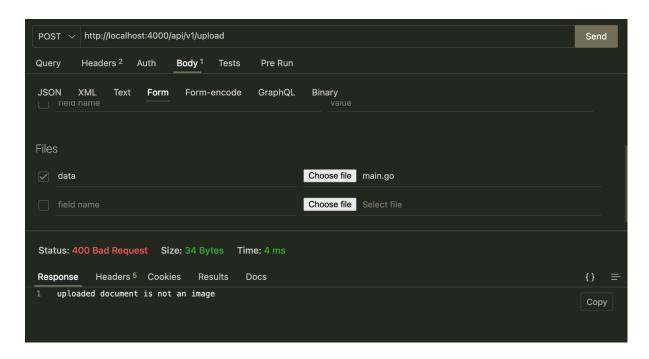
403 Response

- Auth Token is wrong / empty



400 Response

- File is not of Image Type



Database

PSQL Database has been used from GCP Cloud SQL.

Database Schema and Data

brankasdb=> select * from documents;					
id	d filename		size	uri	
1	pan.png	image/png	711911	wdhhjwej	
2	pan.png	image/png	711911	wdhhjwej	
3	pan.png	image/png	711911	wdhhjwej	
4	pan.png	image/png	711911	wdhhjwej	
5	pan.png	image/png	711911	tmp/upload-2241203622.png	
6	pan.png	image/png	711911	tmp/upload-3204450621.png	
7	pan.png	image/png	711911	tmp/upload-491757575.png	
8	pan . png	image/png	711911	tmp/upload-2128745222.png	
9	logo for voice 0.png	image/png	2174481	tmp/upload-2289786223.png	
.0	pan . png	image/png	711911	tmp/upload-3158484054.png	
1	pan . png	image/png	711911	tmp/upload-865270829.png	
2	pan.png	image/png	711911	tmp/upload-3833001794.png	
3	pan.png	image/png	711911	tmp/upload-2860150187.png	
4	05_67101041000575875 (3).jpg	image/jpeg	57795	tmp/upload-641697001.png	
5	pan . png	image/png	711911	tmp/upload-1447577509.png	
.6	pan.png	image/png	711911	tmp/upload-4209445482.png	
7	pan.png	image/png	711911	tmp/upload-505821619.png	
8	pan.png	image/png	711911	tmp/upload-2568079681.png	
9	pan.png	image/png	711911	tmp/upload-1821515288.png	
0	IMG_20231126_142728.jpg	image/jpeg	5959254	tmp/upload-1054303442.png	
1	IMG_20231126_142728.jpg	image/jpeg	5959254	tmp/upload-4082826606.png	
2	IMG_20231126_142728.jpg	image/jpeg	5959254	tmp/upload-2873803444.png	
23	pan.png	image/png	711911	tmp/upload-1631235383.png	
24	Best Mutual Funds 2024 - Top Multi Cap and Flexi Cap Mutual Funds 9-19 screenshot.png	image/png	1301481	tmp/upload-866093756.png	
5	Best Mutual Funds 2024 – Top Multi Cap and Flexi Cap Mutual Funds 9–19 screenshot.png	image/png	1301481	tmp/upload-1954004374.png	
26	Best Mutual Funds 2024 - Top Multi Cap and Flexi Cap Mutual Funds 9-19 screenshot.png	image/png	1301481	tmp/upload-584086768.png	
7	Best Mutual Funds 2024 - Top Multi Cap and Flexi Cap Mutual Funds 9-19 screenshot.png	image/png	1301481	tmp/upload-3976134709.png	
8.	Best Mutual Funds 2024 - Top Multi Cap and Flexi Cap Mutual Funds 9-19 screenshot.png	image/png	1301481	tmp/upload-1930846129.png	
9	Best Mutual Funds 2024 - Top Multi Cap and Flexi Cap Mutual Funds 9-19 screenshot.png	image/png	1301481	tmp/upload-2850210521.png	
0	Best Mutual Funds 2024 - Top Multi Cap and Flexi Cap Mutual Funds 9-19 screenshot.png	image/png	1301481	tmp/upload-3611948451.png	
1	pan . png	image/png	711911	tmp/upload-1154563189.png	
32	pan.png	image/png	711911	tmp/upload-2412953749.png	
33	pic.jpeg	image/jpeg	409988	tmp/upload-370870609.png	

Project Structure

Project Entrypoint -> main.go

- api
 - v1 -> api version v1
 - handler -> Contains all the handlers for APIs
 - router -> Contains route Configuration for api version v1
 - 。 v2
- models -> Contains all the types
 - model/Document.go
- repository -> Files to handle Database Operations
 - repository/document_repository.go
- service -> Business Logics
 - service/authentication_service.go
 - service/document_service.go
- utils -> Contains the helper files which can be used across the application
 - utils/document_uploader.go
 - utils/document_validator.go
- configs -> Contains all the configs
 - db -> Contains DB Configs and connectors
 - config/db/psqldb_connector.go
- view
 - Contains the html templates
- tmp
 - Stores the temp files
 - Uploaded images are also written in this file.

Overall Flow of Application

Document Upload Flow

