

Book Based Collection is a tool that takes an uploaded PDF of a book as input.

It asks the user for the number of frames they want to extract.

Based on the user input, it processes the PDF and generates that many frames (images).

Each frame corresponds to a page or section of the PDF.

This helps in easy viewing, editing, or managing parts of the book digitally.

Steps:

Git clone the project

```
django-admin startproject myproject
```

```
cd myproject
```

```
python manage.py startapp pdfsplitter
```

to create environment cd ..

```
python -m venv venv
```

```
.\venv\Scripts\activate
```

```
pip install -r requirements.txt
```

I have used HUGGINGFACE_API -You can generate one(Access Token) and paste in .env file

next

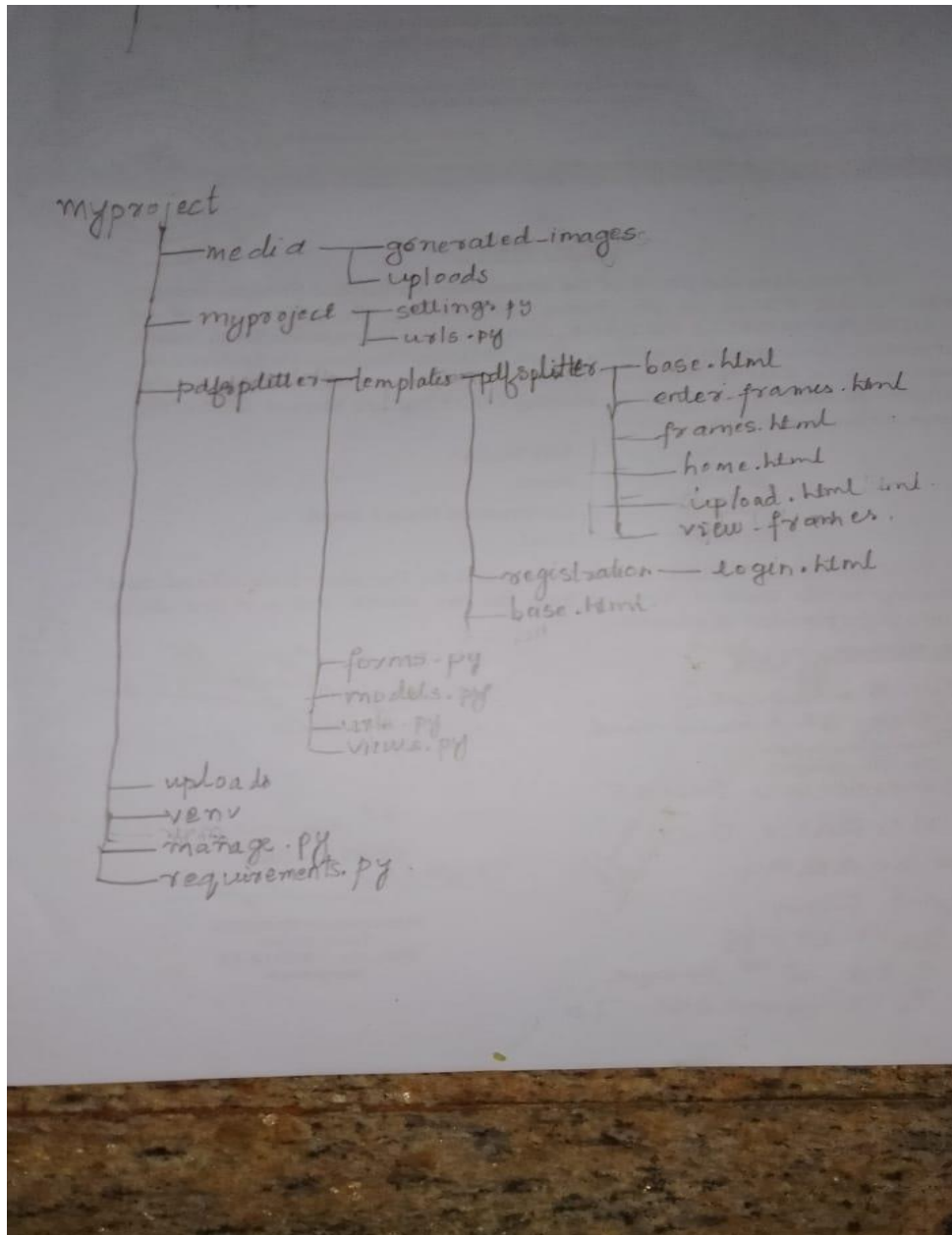
run in terminal

```
python manage.py runserver
```

generated images are stored in media whose path is stored in database

uploaded pdf are stored in media , its path are also stored in database

Folder structure



Database

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Configurations
- FTS Dictionaries
- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (12)
 - auth_group
 - auth_group_permissions
 - auth_permission
 - auth_user
 - auth_user_groups
 - auth_user_user_permissions
 - django_admin_log
 - django_content_type
 - django_migrations
 - django_session
 - pdfsplitter_frame
 - pdfsplitter_uploadedfile
- Trigger Functions
- Types
- Views
- Subscriptions
- musicrecommend
- postgres
- Login/Group Roles
- Tablespaces

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Query Query History

```
1 SELECT * FROM pdfsplitter_uploadedfile;
```

Data Output Messages Notifications

Showing rows: 1 to 78 Page No: 1 of 1

id [PK] bigint	file character varying (100)	uploaded_at timestamp with time zone	user_id integer
1	uploads/story1.txt	2025-06-02 22:55:21.616862+05:30	1
2	uploads/story1_QoWceff.txt	2025-06-02 23:01:22.236186+05:30	1
3	uploads/story1_2KA0Xs...	2025-06-02 23:05:45.139156+05:30	1
4	uploads/story1_3mtBqeY.txt	2025-06-02 23:06:41.427256+05:30	1
5	uploads/story1_tF6jLND.txt	2025-06-02 23:06:48.150816+05:30	1
6	uploads/story1_3WUHRIL...	2025-06-02 23:14:07.251488+05:30	1
7	uploads/resume.pdf	2025-06-02 23:16:15.355345+05:30	1
8	uploads/story1_5dEzqxl.txt	2025-06-02 23:22:38.756577+05:30	1
9	uploads/story1_ebLTxnz.txt	2025-06-02 23:22:52.409673+05:30	1
10	uploads/story1.txt	2025-06-02 23:38:11.174432+05:30	1
11	uploads/story1_a1k4n48.txt	2025-06-02 23:39:45.200255+05:30	1
12	uploads/story1_eTqGhup...	2025-06-02 23:41:52.452784+05:30	1
13	uploads/story1_twen07V.txt	2025-06-02 23:44:11.451223+05:30	1
14	uploads/story1_KoWMROP...	2025-06-02 23:44:13.616479+05:30	1
15	uploads/story1_mGHgR3l...	2025-06-02 23:44:14.351832+05:30	1
16	uploads/story1_jsBTNF0.txt	2025-06-02 23:44:14.601807+05:30	1
17	uploads/story1_invkjW.txt	2025-06-02 23:44:14.882774+05:30	1
18	uploads/story1_YPaJGH7...	2025-06-02 23:44:15.155224+05:30	1

Total rows: 78 Query complete 00:00:00.218

CRLF Ln 1, Col 40

pgAdmin 4

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bookbasedcollection/postgres@PostgreSQL 17

Query Query History

```
1 SELECT * FROM pdfsplitter_frame;
```

Data Output Messages Notifications

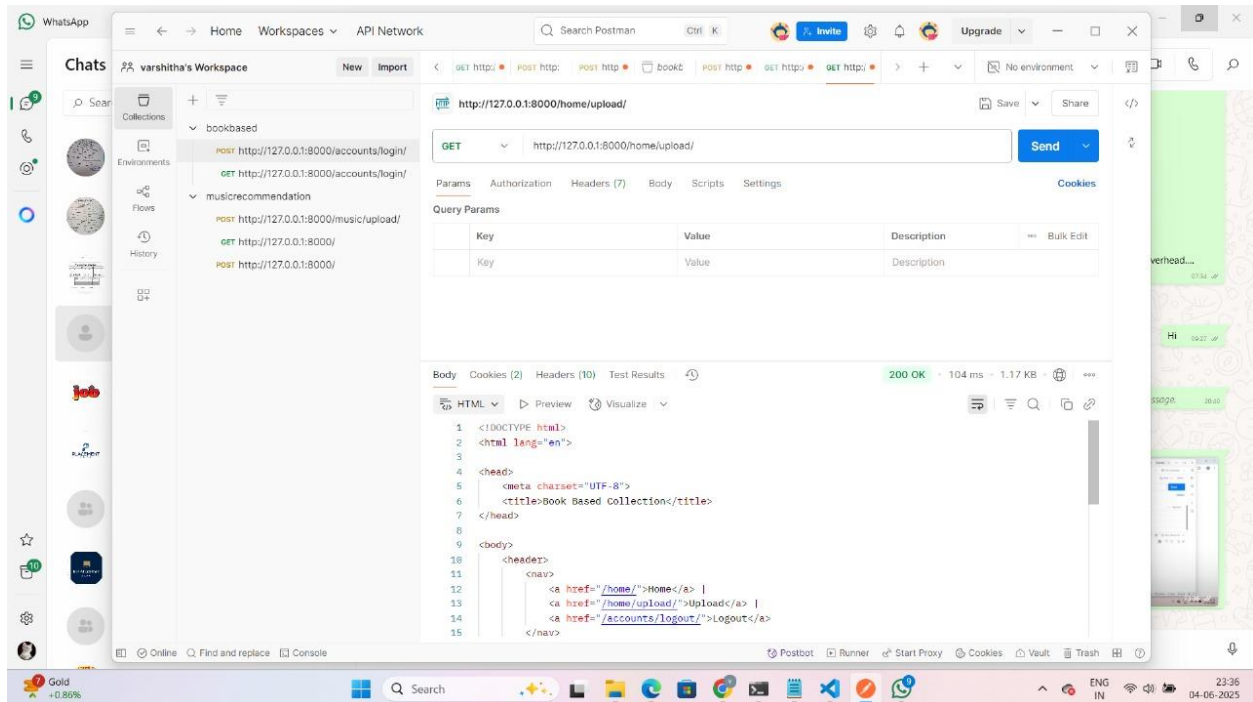
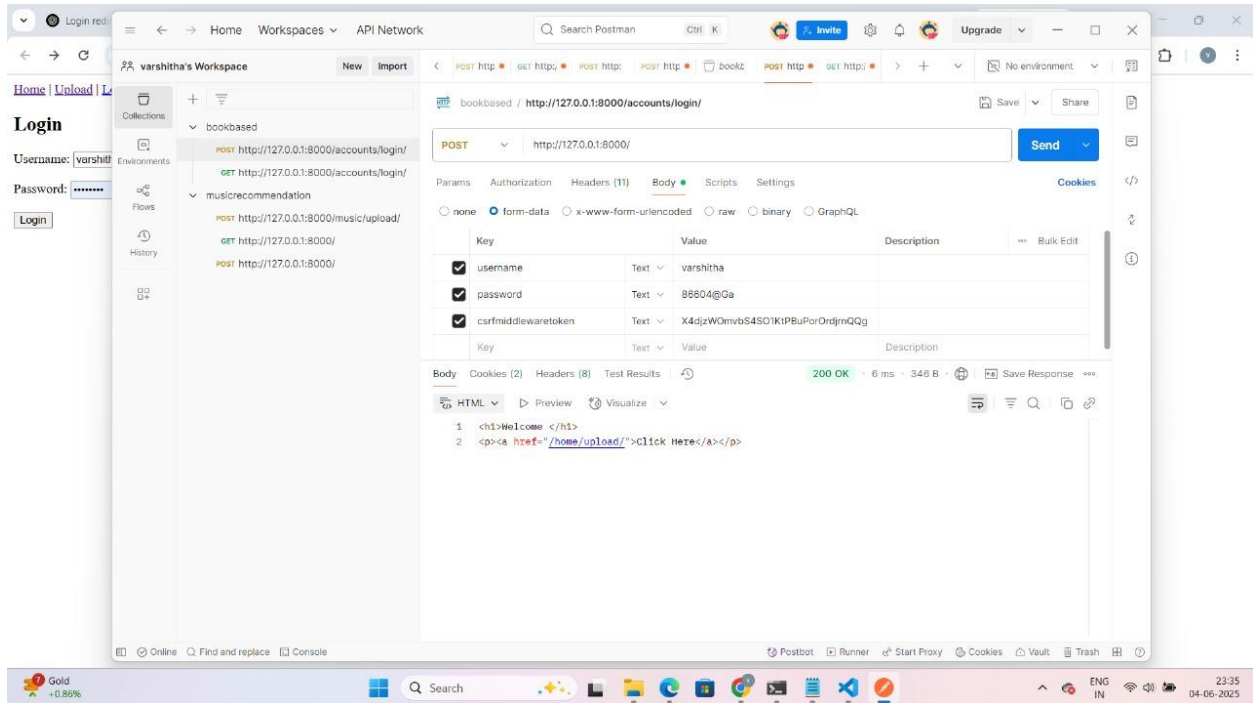
Showing rows: 1 to 82 Page No: 1 of 1

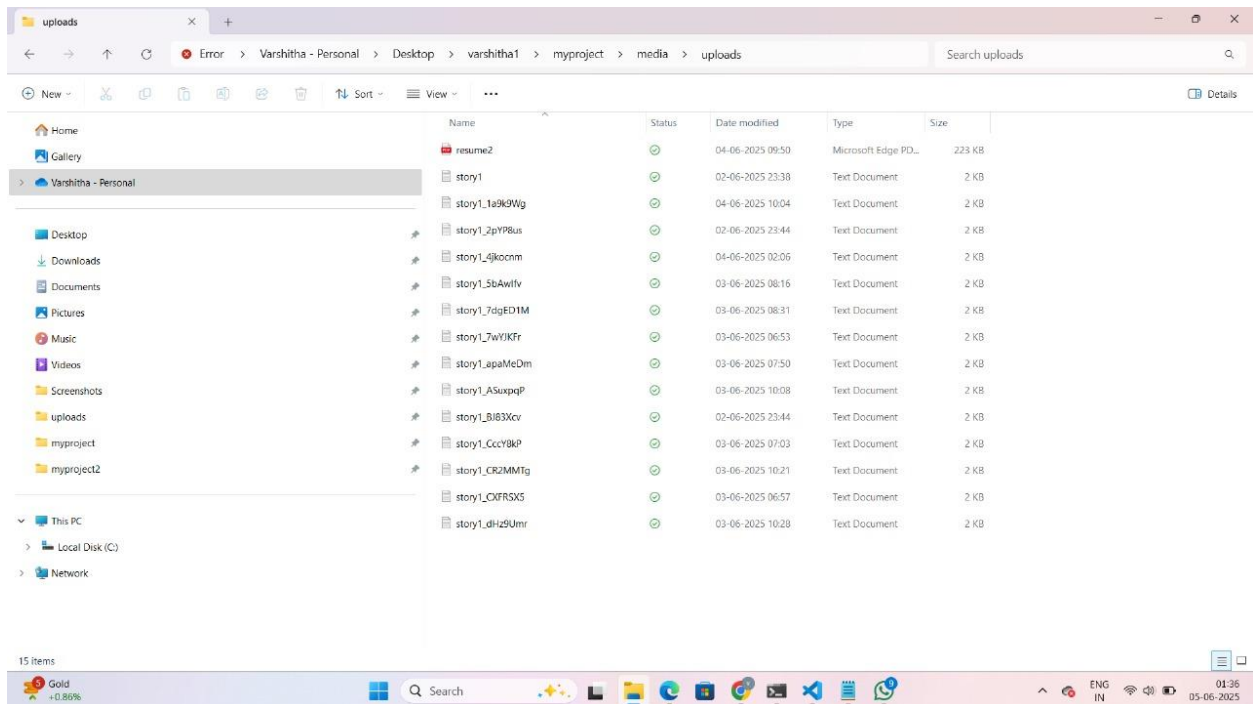
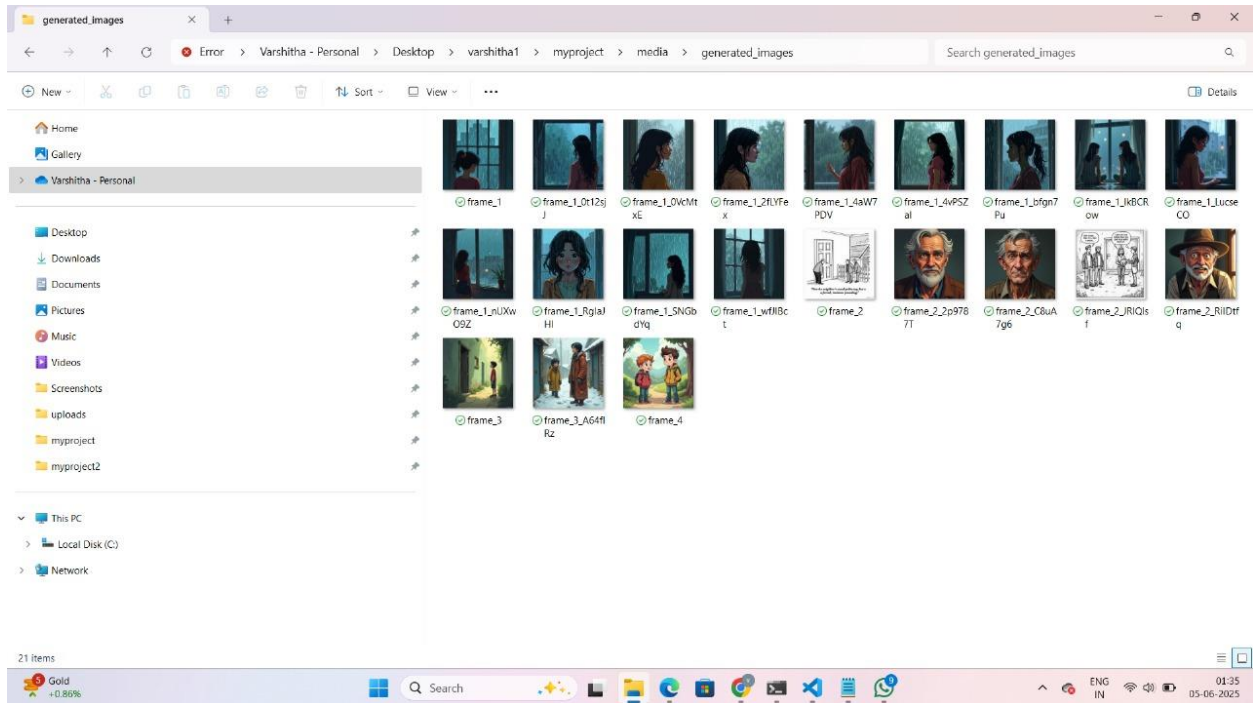
id [PK] bigint	prompt text	frame_number integer	generated_image character varying (100)	created_at timestamp with time zone	uploaded_file_id bigint
65	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-03 11:40:18.171743+05:30	57
66	illustrate this scene: Then, a knock.	2	generated_images/frame_...	2025-06-03 11:41:07.684924+05:30	57
67	illustrate this scene: Standing there, soaked and ...	3	generated_images/frame_...	2025-06-03 11:41:44.891869+05:30	57
68	illustrate this scene: He didn't speak, just stood t...	4	generated_images/frame_...	2025-06-03 11:42:02.073022+05:30	57
69	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 09:22:16.213367+05:30	63
70	illustrate this scene: The years had etched lines o...	2	generated_images/frame_...	2025-06-04 09:23:37.908909+05:30	63
71	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 09:29:32.62324+05:30	64
72	illustrate this scene: The years had etched lines o...	2	generated_images/frame_...	2025-06-04 09:30:48.019331+05:30	64
73	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 09:35:55.056538+05:30	65
74	illustrate this scene: The years had etched lines o...	2	generated_images/frame_...	2025-06-04 09:36:12.631782+05:30	65
75	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 09:56:42.22821+05:30	68
76	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 10:05:36.152856+05:30	69
77	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 10:22:31.751388+05:30	70
78	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 10:26:56.489334+05:30	70
79	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 10:28:48.636495+05:30	71
80	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 11:01:40.71+05:30	74
81	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 11:43:40.766096+05:30	76
82	illustrate this scene: The rain hammered against t...	1	generated_images/frame_...	2025-06-04 11:51:48.041781+05:30	77

Total rows: 82 Query complete 00:00:00.234

CRLF Ln 2, Col 1

Postman





Login redirection setup

varshitha/visualbaesmu

Inbox (661) - varshithaga2

127.0.0.1:8000/home/frame

Book Based Collection

Book Based Collection

127.0.0.1:8000/home/enter-frames/84/

[Home](#) | [Upload](#) | [Logout](#)

Enter number of frames for

Number of frames:

25°C
Mostly clear

Search

ENG
IN

00:07
05-06-2025

Login redirection setup

varshitha/visualbaesmu

Inbox (661) - varshithaga2

127.0.0.1:8000/home/frame

Book Based Collection

Book Based Collection

127.0.0.1:8000

[Home](#) | [Upload](#) | [Logout](#)

Login

Username:

Password:

25°C
Mostly clear

Search

ENG
IN

00:08
05-06-2025