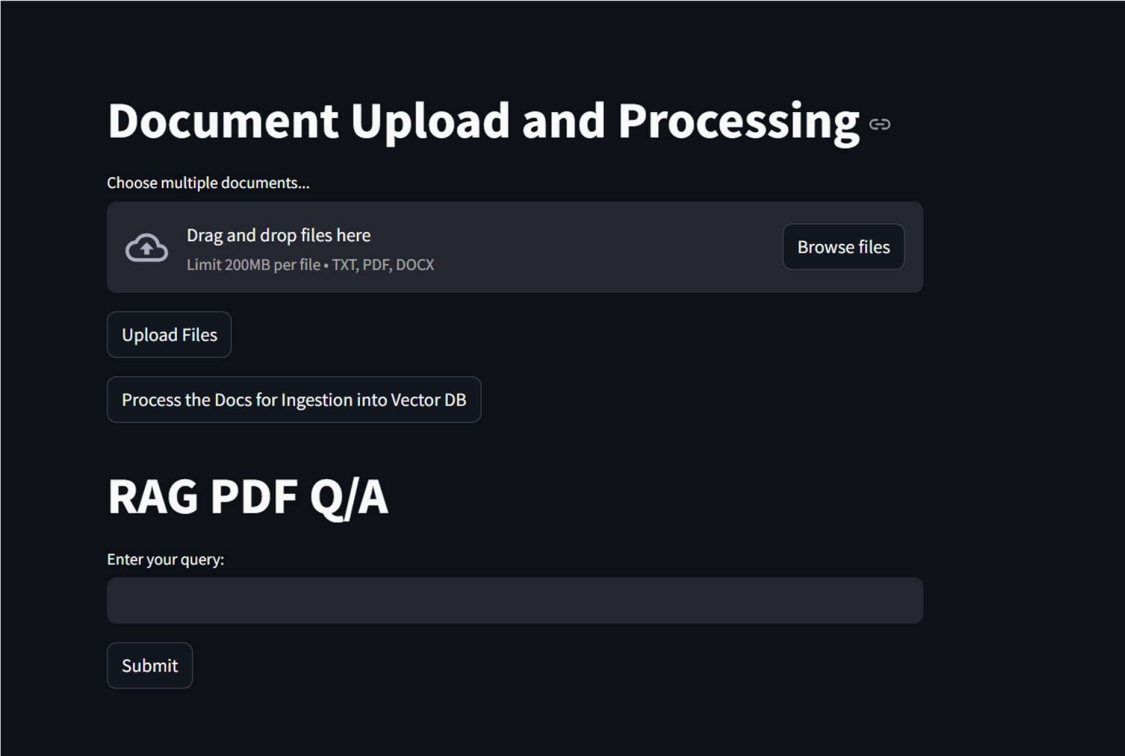


PART 2 – USER INTERFACE FOR RAG SYSTEM

USER INTERFACE :



The screenshot shows a dark-themed web interface for document upload and processing. At the top, the title "Document Upload and Processing" is displayed in white, followed by a small icon. Below the title, the text "Choose multiple documents..." is shown. A large, light-gray rectangular area contains a cloud icon with an upward arrow, the text "Drag and drop files here", and a smaller line of text "Limit 200MB per file • TXT, PDF, DOCX". To the right of this area is a button labeled "Browse files". Below the drag-and-drop area are two buttons: "Upload Files" and "Process the Docs for Ingestion into Vector DB". Further down, the section "RAG PDF Q/A" is titled in large white letters. Below this title, the text "Enter your query:" is followed by a long, light-gray input field. At the bottom left of this section is a button labeled "Submit".


UPLOADING THE FILES :

- 1) Press on ' Browse files to choose multiple document (only pdf for now , other extension not done yet)
- 2) Press Upload documents to send the file to backend so that it can be stored there

- 3) Press 'Process the Docs for Ingestion into Vector DB'
- to create chunks and embed the chunks into the vector DB

AFTER DOCUMENT INGESTION INTO DB :


Choose multiple documents...



Drag and drop files here

Limit 200MB per file • TXT, PDF, DOCX

Browse files



Assignment.pdf 87.4KB

×

Upload Files

Process the Docs for Ingestion into Vector DB

Files ready for ingestion into Vector DB:

```

[
  0 : "Assignment.pdf"
]

```

Files successfully ingested into Vector DB

For queries:

Type the query in the box and ask for response , if the response is outside the context , the response is ‘Out of my context’

And it also provide the relevant chunk content from where response is generated

RAG RESPONSE :

Process the Docs for Ingestion into Vector DB

RAG PDF Q/A

Enter your query:

how should i approach the assignment

Submit

Response: Answer_rag:

1. To approach the assignment, you should first understand the requirements an
2. Next, you should decide on the appropriate vector database and generative m
3. Then, you should implement the RAG-based model that can handle questions re
4. You should test the model with several queries and show how well it retriev

```

context' : Context_rag : [Document(metadata={'page': 0, 'source': 'Uploaded_files/Assignment.pdf'},
page_content='Gen\nAI\nEngineer\n\nMachine\nLearning\nEngineer\nAssignment\nPart\n1:\nRetr
ieval-
Augmented\nGeneration\n(RAG)\nModel\nfor\nQA\nBot\nProblem\nStatement:\nDevelop\n\nRetr
ieval-

```