# **Note : This document may miss details these are not the full final details you have to go through and suggest the best options.Goals are written in this document.**

# **Requirements Document**

## **Project Goal**

The goal of this project can be summarized in two lines:

1. Provide a **Document Management System** with full CRUD functionality and filtering.
2. Build a **Chatbot Interface** powered by a backend RAG implementation with high accuracy.

## **Frontend Requirements**

### **1. Document Management Page**

* **Document Upload**
  + User selects **category**, **date**, and other metadata as defined in the document schema.
* **Document Listing**
  + Uploaded documents are displayed with their metadata.
* **CRUD Operations**
  + Create: Upload a new document.
  + Read: View/list uploaded documents.
  + Update:  
    - Edit document details.
    - Update document version.
  + Delete: Remove a document.
* **Filtering**
  + User can filter documents by:  
    - Date
    - Year
    - Category

### **2. Chatbot Interface**

* A conversational interface similar to **ChatGPT**.
* Users can interact with the documents via chatbot queries.

## **Backend Requirements**

### **RAG (Retrieval-Augmented Generation) Implementation**

* Core functionality: Provide accurate responses based on uploaded documents.
* Accuracy is the **primary goal**.
* Different approaches to RAG are possible — the developer should suggest and implement the most suitable approach.