Inteview post

We need you to write a small fastAPI python project that has the following three RESTful API endpoints. Data will be stored in a small MongdoDB collection.

Endpoints

/v1/files POST

upload a file. can only upload files with extension of .docx, .pptx and .pdf. everything else is reject. Uploaded files are stored in a storage folder on the server file system.

Also, add an entry into a mongo database to remember this file. If the file is already uploaded then reject it

/v1/files GET

List all the files, ids

/v1/files/<fileID> GET

return the summary of the file id. if the file does not exist, then return an error

Authentication

Use HTTP basic auth

Database integration

Each file should be stored in a mongodb collection with

- file ID (use uuid)

- file name (supplied by user)

- file summary (see below on how to get the file summary)

How to file file summary

- create a free Predibase account (https://predibase.com)

- For each file uploaded,

  - Extract the text from the file (use python-docx, python-pptx pymupdf, pypdf2 or any other tool of choice)

  - Ask Predibase to create a 3 line summary using an LLM of your choice

General notes

- Use pydantic