LABORATORY REPORT

Application Development Lab (CS33002)

B.Tech Program in CSE

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Lab Number	6 & 7
Experiment Number	5
Experiment Title	Conversational Chatbot with Any Files
Date of Experiment	06/02/2025
Date of Submission	20/02/2025

1. Objective:-

2. To build a chatbot capable of answering queries from an uploaded PDF document.

3. Procedure:- (Steps Followed)

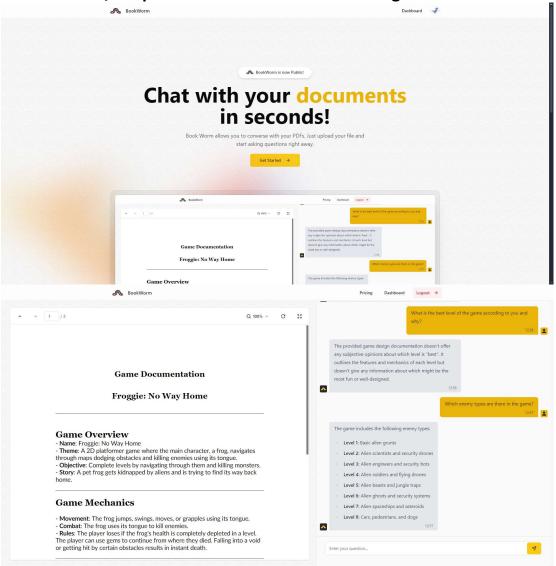
- 1. Integrate open-source LLMs such as LLama or Gemma from Ollama
 - 2. Develop a backend to process the PDF content.
- 3. Implement Natural Language Processing (NLP) to allow queries. You can use LLamaIndex or Langchain
- 4. Create a frontend to upload document files and interact with the chatbot, just like OpenAI interface
- 5. Provide an option to choose the LLM model from a dropdown list.
 - 6. Display the chatbot responses on the webpage.

4. Code:-

```
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```

```
use client
          import { Ghost, Loader2, Plus, Trash } from "lucide-react"
import UploadButton from "./UploadButton"
import { trpc } from "@/app/_trpc/client";
import Skeleton from "react-loading-skeleton"
import Link from "next/link";
import { format } from "date-fns"
import { Button } from "./ui/button";
import { useState } from "react";
import { getUserSubscriptionPlan } from "@/lib/stripe";
              const colors = [
  'from-orange-500 to-yellow-400',
                 'from-blue-500 to-purple-300',
'from-red-500 to-pink-300',
                  'from-green-500 to-teal-300',
'from-indigo-500 to-blue-300',
                  'from-teal-500 to-green-300',
          interface PageProps {
    subscriptionPlan: Awaited<ReturnType<typeof getUserSubscriptionPlan>>
          const Dashboard = ({subscriptionPlan}:PageProps) => {
  const [currentlyDeletingFile, setCurrentlyDeletingFile] = useState<string | null>(null); // Defined without value
              const utils = trpc.useUtils();
                     utils.getUserFiles.invalidate();
src > app > auth-callback > 🎡 page.tsx
             "use client";
          import { Suspense } from "react";
import { useRouter, useSearchParams } from "next/navigation";
import { trpc } from "../_trpc/client";
import { Loader2 } from "lucide-react";
               // Use the query hook correctly
const { data, error } = trpc.authCallback.useQuery(undefined, {
               // Handle success and error states
if (data && data.success) {
                  // User is synced to db
router.push(origin ? `/${origin}` : "/dashboard");
               | else if (error) {
   if (error.data?.code === "UNAUTHORIZED") {
     router.push("/sign-in");
                  <hd><hd>chassName="font-semibold text-xl">>Setting up your account...</hd>
You will be redirected automatically.
```

5. Results/Output:- Entire Screen Shot including Date & Time



6. Remarks:-

Signature of the Student

(Name of the Student)

Signature of the Lab Coordinator

(Name of the Student)