# Academia de Studii Economice din București Facultatea de Cibernetică, Statistică și Informatică Economică

# Proiect Cloud Computing - Documentație NoteBuddy App

Profesor coordonator

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Student:

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#### Link-uri:

Link acces GitHub: <a href="https://github.com/Cioger/CloudProject">https://github.com/Cioger/CloudProject</a>

Link acces aplicație: <a href="https://cloud-project-sooty.vercel.app/">https://cloud-project-sooty.vercel.app/</a>

Link acces video prezentare: <a href="https://youtu.be/Q6d1B4NuD90">https://youtu.be/Q6d1B4NuD90</a>

#### 1. Introducere

În cadrul proiectului de seminar, am dezvoltat o aplicație pe nume "NoteBuddy", memorator personal. Scopul aplicatiei NoteBuddy este de a salva notite, cu titlu si categorie, pentru utilizator. Aceasta dispune de stocarea notitelor in baza de date si de un asistent personal sub forma unui model AI care poate furniza utilizatorului informatii utile, care pot fii salvate in notes.

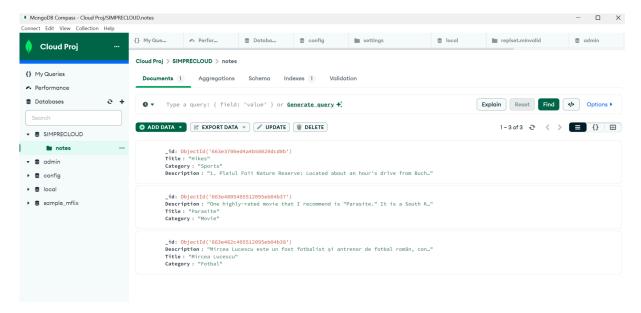
#### 2. Descrierea problemei

Utilizatorii ar putea folosi aplicația "NoteBuddy" pentru a tine minte anumite detalii din viata de zi cu zi, sau pentru a nota raspunsurile diverselor curiozitati pe care le pot avea. Câteva exemple de probleme pentru care aplicația ar putea oferi soluții sunt:

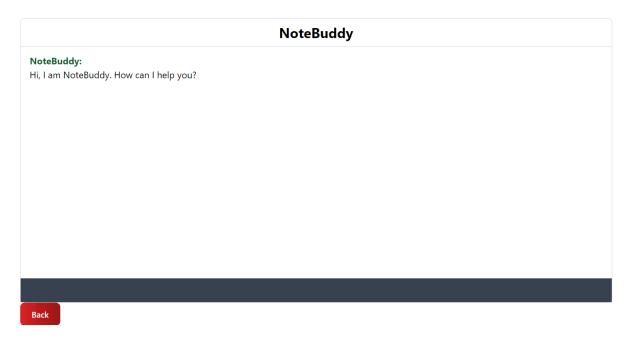
- ★ Planificare: Utilizatorii pot tine minte anumite evenimente care urmeaza sa se desfasoare prin a le nota in aplicatie.
- ★ Stocare informatii: Utilizatorii pot nota informatii de care au nevoie mai tarziu.
- ★ Aflarea si stocarea raspunsurilor pentru curiozitatile cotidiene: Asistentul virtual poate oferi informatiile necesare pentru rezolvarea problemelor pe care utilizatorul le intalneste, sau pur si simplu detalii despre subiecte asupra carora cunostintele utilizatorului sunt precare.

#### 3. Descriere API

a) Am folosit MongoDB pentru salvarea datelor introduse în cadrul aplicației:



b) API-ul de **ChatGPT** ajută aplicația să devină o punte de legătură cu o sursă infinită de informații de actualitate.



#### 4. Fluxul de date

Homepage:

```
pages > Js index.js > ...

import MainPage from "@/components/MainPage";

export default function Home() {

return (

MainPage />

);

}
```

#### ChatGPT API:

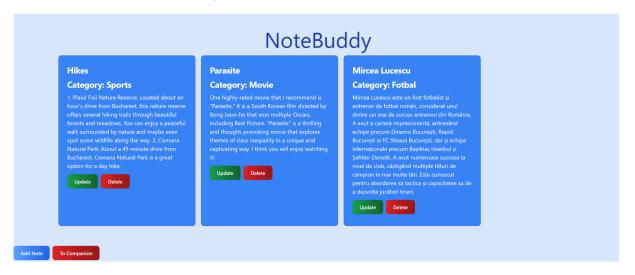
```
pages > api > Js answer.js > ...
      import openai from "@/lib/openai";
       @port { sendBadRequest, sendOk } from "@/utils/apiMethods";
      import { MAX_MEMORY } from "@/utils/constants";
      const SYSTEM PROMPTS = {
          SIMPLE ASSISTANT : {
              MESSAGE: {
                  'role': 'system',
                   'content': 'You are a simple assistant. You respond with simple sentences.'
              TEMPERATURE : 1,
              MAX_TOKENS: 50,
              TYPE: 'simple_assistant'
         USER: {
              MESSAGE: {
                  'role': 'user',
                   'content': 'You are a user. You are asking the assistant for help.'
              TEMPERATURE : 1,
              MAX_TOKENS: 1000,
              TYPE: 'user'
      const chatCompletion = async (messages, max_tokens, temperature) => {
          const rawResponse = await openai.chat.completions.create({
              model: 'gpt-3.5-turbo',
              messages: messages,
              max_tokens: max_tokens,
              temperature: temperature
```

#### Formular Add/Update:

```
components > © NoteFormys > NoteFormys > NoteForms

4 const NoteForms = (props) > {
5 const router = useRouter();
6 const (entry, onSubet) = props;
7 const (entry, onSubet) = props;
9 const (entry, onSubet) = props;
10 const handleChange = (type, value) > {
11 setData((...data, [type]: value));
12 }
13 const handleChange = (type, value));
14 }
15 router.push(*/*);
16 }
17 reture (
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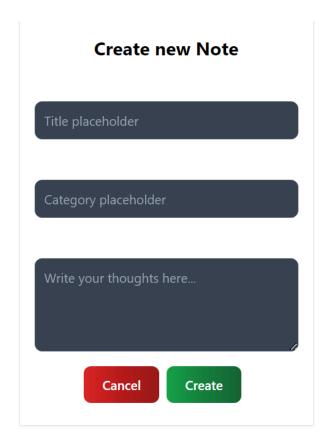
## 5. Capturi de ecran ale aplicației



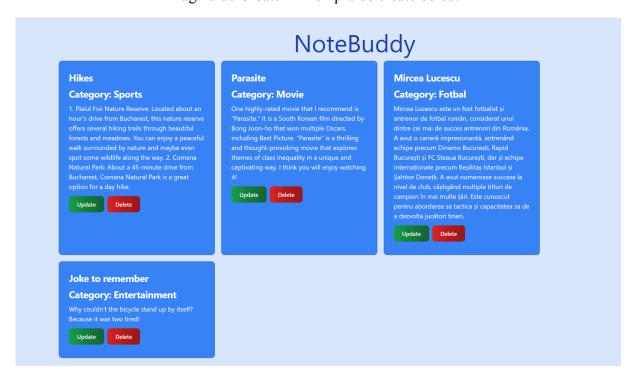
# HomePage

| NoteBuddy   |
|---|
| NoteBuddy: Hi, I am NoteBuddy. How can I help you?  |
| You: information about The Bee Movie  |
| NoteBuddy: "The Bee Movie" is a 2007 animated film produced by DreamWorks Animation and directed by Simon J. Smith and Steve Hickner. The movie follows the story of Barry B. Benson, a graduate bee who becomes disillusioned with the hive's routine and decides to venture out into the world. There, he forms an unlikely friendship with a human named Vanessa and learns about the exploitation of bees by the honey industry. The film features the voice talents of Jerry Seinfeld, Renée Zellweger, and Matthew Broderick, among others. "The Bee Movie" received mixed reviews from critics but was a commercial success at the box office. |
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Exemplu de utilizare pagina ChatGPT



Pagina de Create – Exemplu de create obiect



HomePage – cu noul note adăugat

## 6. Referințe

Curs Cloud Computing - <a href="https://online.ase.ro/course/view.php?id=40607">https://online.ase.ro/course/view.php?id=40607</a>

Seminar Cloud Computing - <a href="https://online.ase.ro/course/view.php?id=40613">https://online.ase.ro/course/view.php?id=40613</a>