



Passione

Reply Student Tech Clash

Prompting the Future - Case Study

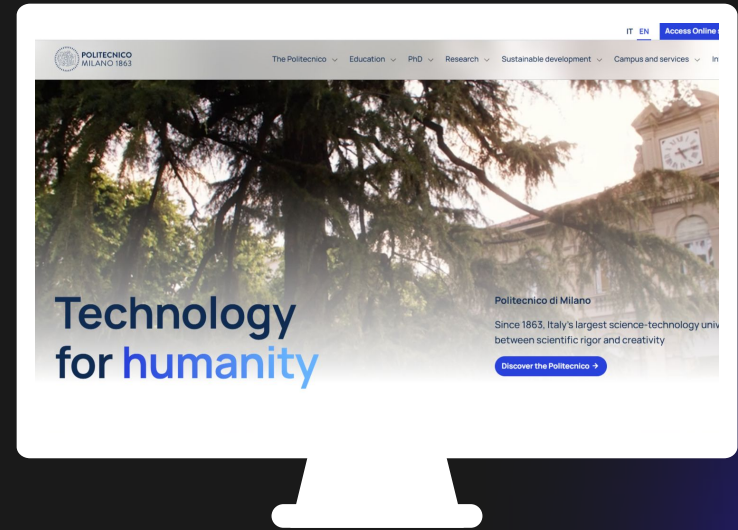




The problem

Have you ever felt **overwhelmed** trying to **look for information** on your **university website**?

Have you ever struggled with your **university bureaucracy**?



What if... there was someone who could help you find what you are looking for?



We imagined an **AI assistant** that could help you to **identify the piece of information** you are interested to.

✦ Think it like “the google of my university” ✦

- Study paths
- Academic courses
- Taxes and contributions
- Extracurricular activities
- Offices information
- ...





Let's have a look at the model



Check the attachment for a live
preview of our functioning model





There is room for improvement...

Slim-down

Instead of providing the full page content, only provide relevant information using **Vector Databases and Embedding**, checking the **similarity with the prompt**.

Specialization

Using an additional smaller LLM to **summarize user interaction** and improve the user prompt and **keep memory of multiple useful websites**.





Single agent

Scrape the main website:

- Look for course you may like
- Specific informations on the study plan
- Link reference if you want more informations

Multi agent

Empower your uni life:

- Organize your schedules and deadlines
- Find the best books on library
- Compare universities in different aspects





Architecture of Multi Agent System



Agents

USER QUERY 

GPT 4-o 

 **Text Embedding Model**

GPT 4-o mini

Exploration Agent 

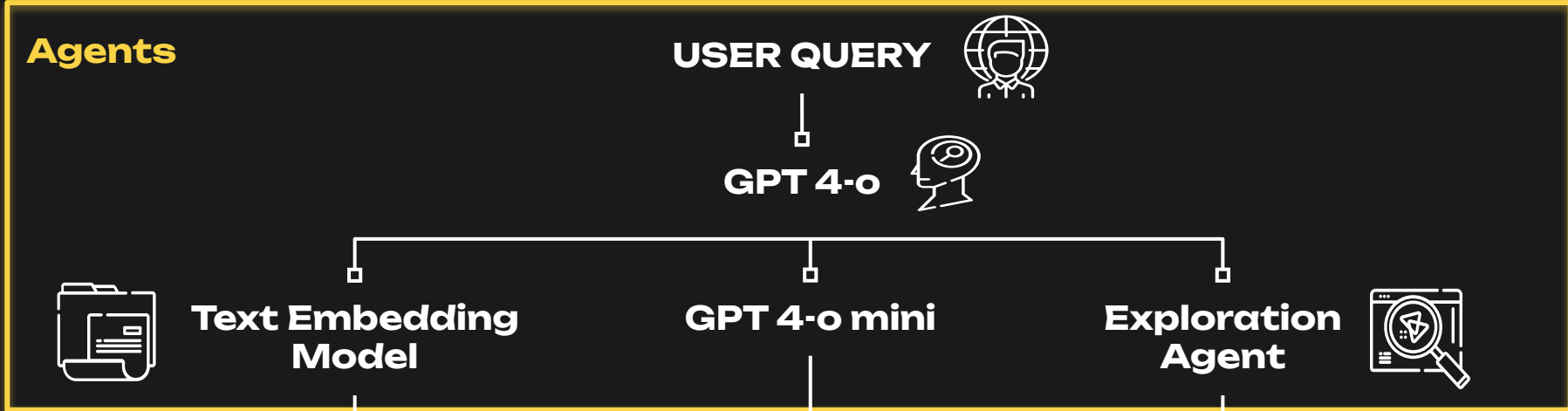
Find relevant information in webpage and history

Generate summary of user interaction

Find relevant links in webpage

GPT 4-o 

FINAL RESPONSE





Questions?





Thank you for your attention!





The Team

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