AI Learning Tool

MVP Presentation

Meet the Team

01
Vladislav

02
Gerard

03
Weifan

04
Mohammed

05
Siyuan

06
Zixuan

Our client

IBM is a global leader in technology and innovation, specializing in AI, cloud computing, and enterprise solutions. Our IBM representative, John McNamara, is an IBM Master Inventor, recognized for his contributions to AI and mobile development.

Challenge at Hand

IBM SkillsBuild, a platform offering tech and professional development courses, can be overwhelming for students to navigate. Many struggle to choose courses that match their skill level or time availability and seek advice on managing university life and academic challenges.

Project Goals (Must-have)

- Create a chatbot that provides information that a university student wished they knew when they first arrived at their university.
- Build a web-based UI to interact with Watsonx AI.
- Ensure the UI handles cookie consent and withdrawal.
- Recommend Computer Science courses based on user interests.
- Answer questions about the IBM SkillsBuild platform.
- Provide advice for new university students.

User Stories

A

As a University of Bristol student, I want the chatbot to be able to give me advice if I am struggling with university life so that I am able to focus on my studies.
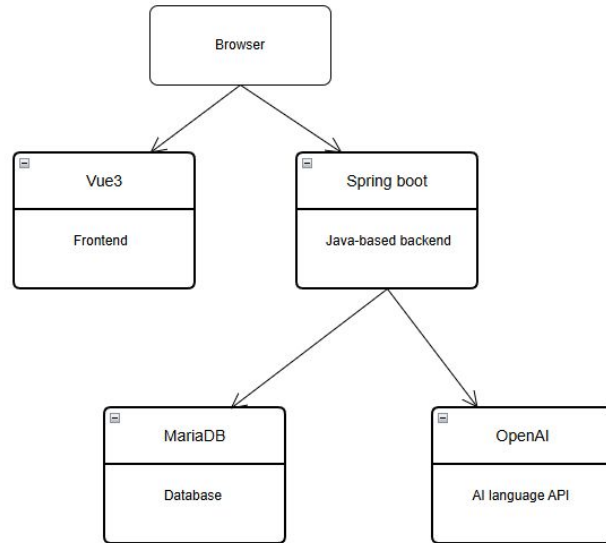
User Stories

B

As a Computer Science student, I want to find good online courses with extracurricular knowledge, so that I could expand my skills and get some reputable certifications that will benefit my career.

Tech Stack

Demo

Client Feedback

When the chatbot recommends courses, it should provide a link to the course on IBM SkillsBuild.

Test with more students.

Make the UI accessible (color-blindness friendly).

Have the chatbot collect user information to build a profile as background (e.g., course, career aspirations).

Setbacks We Overcame

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01

Git

Learned Git from Vlad after the team initially struggled with version control.

02

A new teammate

Onboarded Siyuan, who joined mid-project, to get him up to speed.

03

Incomplete frontend

Rebuilt the front end from scratch since the original version was incomplete.

04

From Watsonx to OpenAI

Faced a major setback switching to OpenAI due to technical and logistical challenges with IBM's systems.

Plans for TB2

- Address workload imbalance among team members.
- Containerize the solution for Continuous Deployment (CD).
- Improve the frontend UI with enhanced CSS.
- Adapt the UI color scheme to be accessible for color-blind users.
- Store more user data, including skills and interests, not just user ID.
- Ensure AI responses include links to recommended courses.
- Develop the database with MariaDB.

Questions?