

Database Management Systems

I made a website that teaches Database Management Systems to a student. There are four parts in this website:

- Question Answering
- Quizzes
- Checking Student Knowledge
- Overall Report of Student

The technologies that I used:

- **ASP.NET** and **C#** for backend of website.
- **HTML-CSS-ASPX** for frontend of website.
- **Python** for LLM and communication with API on flask

In Question Answering Part, there is textbox for entering the question like a web browser. Student enters a question the ASP.NET sends this question to the python with api. The model that I used process and send the answer to website with api. Then, it appears on the website.

In Quiz Part, there are 5 quizzes for each section. The questions and the answers come from database directly. Student can skip a question if he/she wants. The number of correct answers is stored in database and used for overall score.

In Student Knowledge Checking Part, there is a part that contains detailed information about section on the left of the website. There is another part that Student will enter her/his information know about section on the right of the website. When student enter her/his knowledge the program sends it to the python program with api. The model that I used compare it with detailed information of section than produces an overall score for student that shows the amount of student's knowledge.

In the Overall Report part, student can see her/his overall score for each section, number of correct answers of quizzes.

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