Team4 Edupy Final Presentation

: Web Service Program for Chat-bot Education in Python

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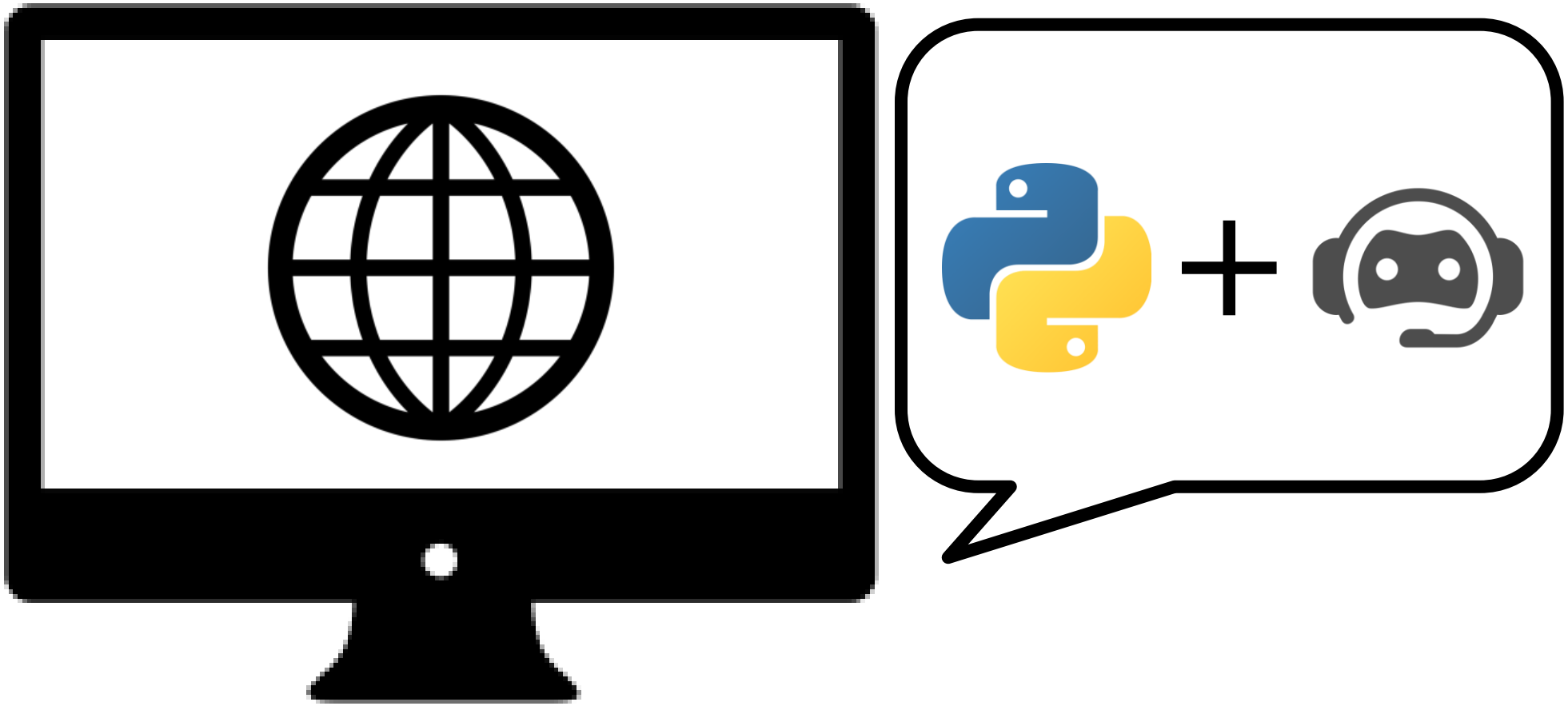
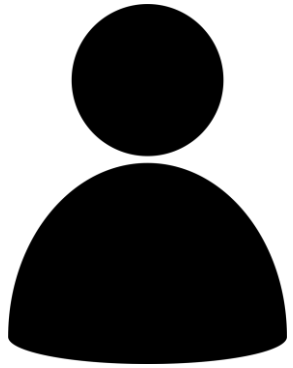
OVERVIEW

Service Outline



GOAL & METHOD

Our Goal



User Management

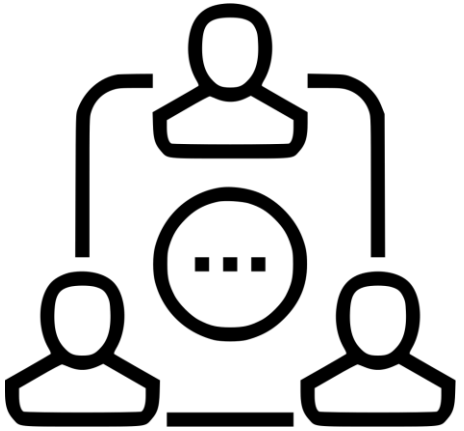
Managing user account using DB for checking curriculum

Curriculum

Service curriculum contents and tests

Python & Web Editor

Provide Python & Web editing service for code practice

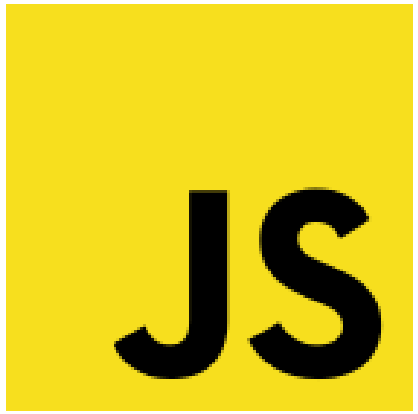


Board

Provide web board for communication for users and admin

GOAL & METHOD

Development Tools



JavaScript

Front-end development tool

HTML

Front-end development tool

CSS

Front-end development tool

MariaDB

Back-end development tool

GOAL & METHOD

Team Formation

Requirement Specification	양이삭 김창헌 정동진 송예진 최가은 손영훈
Design Specification	양이삭 김창헌 정동진 송예진 최가은 손영훈
Front-end	김창헌 정동진 손영훈 양이삭
Back-end	송예진 최가은
Documentation	양이삭 김창헌 정동진 송예진 최가은 손영훈

REQUIREMENT

Functional Requirement

Plan in <Requirement Specification>

Req.1	Sign In
Req.2	Log In
Req.3	Studying Curriculum
Req.4	Exercise Problems
Req.5	Checking Scoring Result of Problems

REQUIREMENT

Non-functional Requirement

Plan in <Requirement Specification>

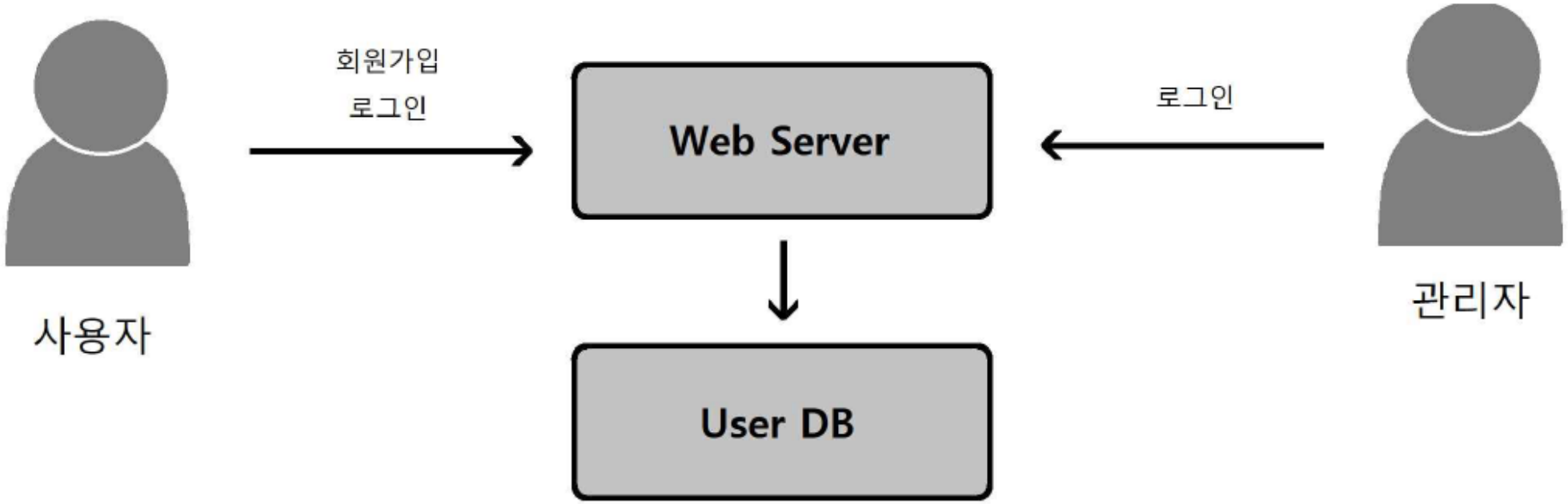
Product Requirement	**Usability req.** (UI) **Efficiency req.** **Dependability req.** **Security req.**
Organization Requirement	**Environmental req.** **Operational req.** **Development req.**
External Requirement	**Regulatory req. / Legislative req.** **Ethical req.** **Safety req. / Security req.**

IMPLEMENTATION

Sub-systems Implementation

User Management System

Diagram in <Design Specification>

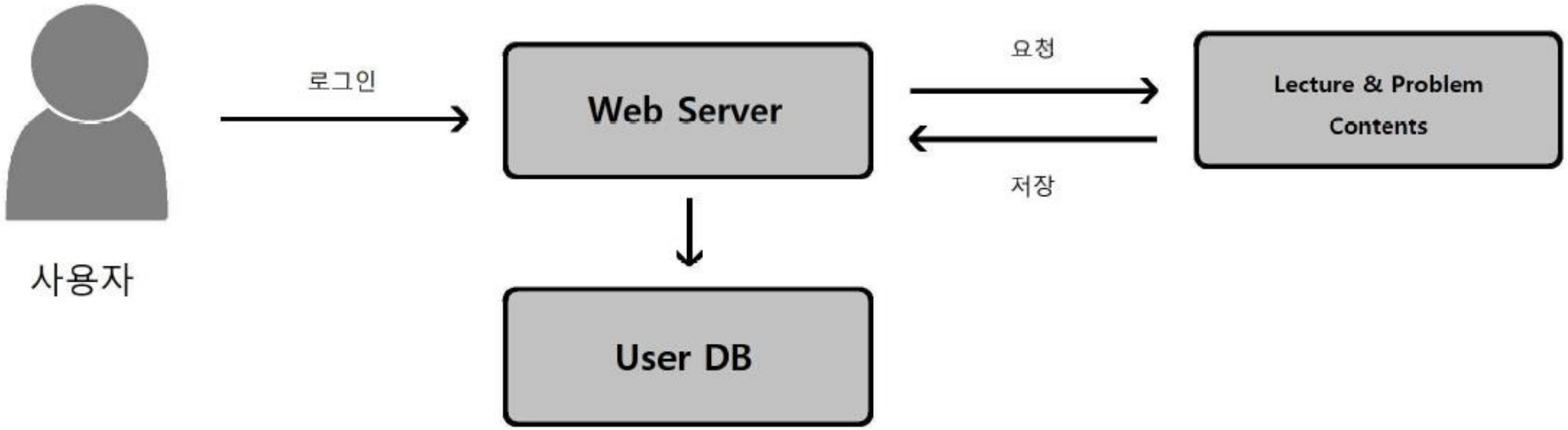


IMPLEMENTATION

Sub-systems Implementation

Curriculum System

Diagram in <Design Specification>

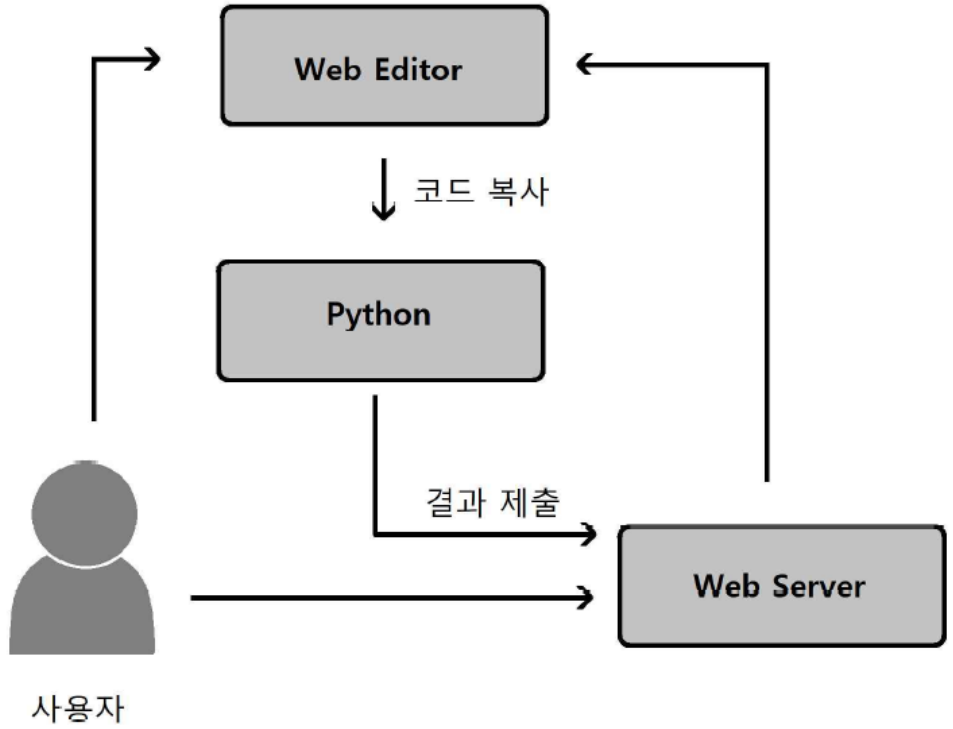


IMPLEMENTATION

Sub-systems Implementation

Python & Web Editor System

Diagram in <Design Specification>

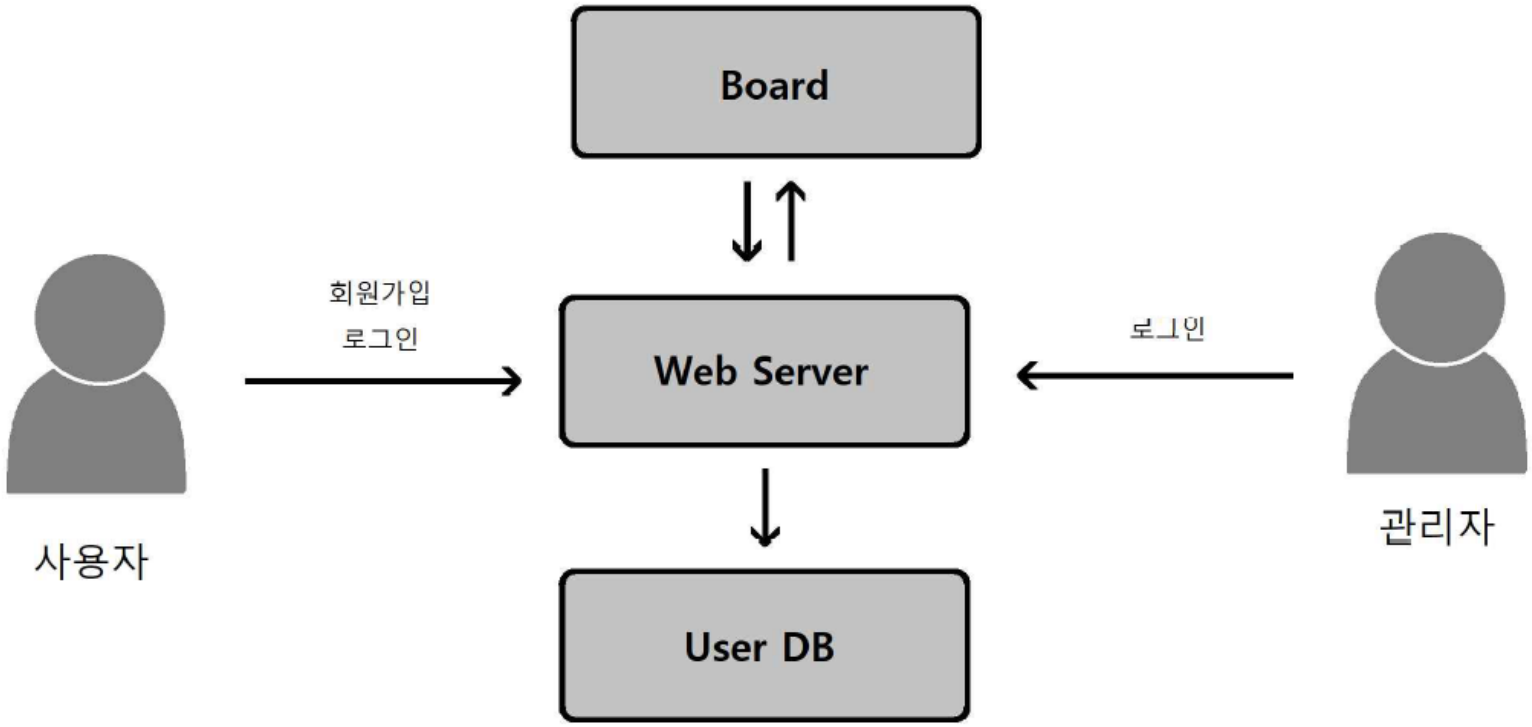


IMPLEMENTATION

Sub-systems Implementation

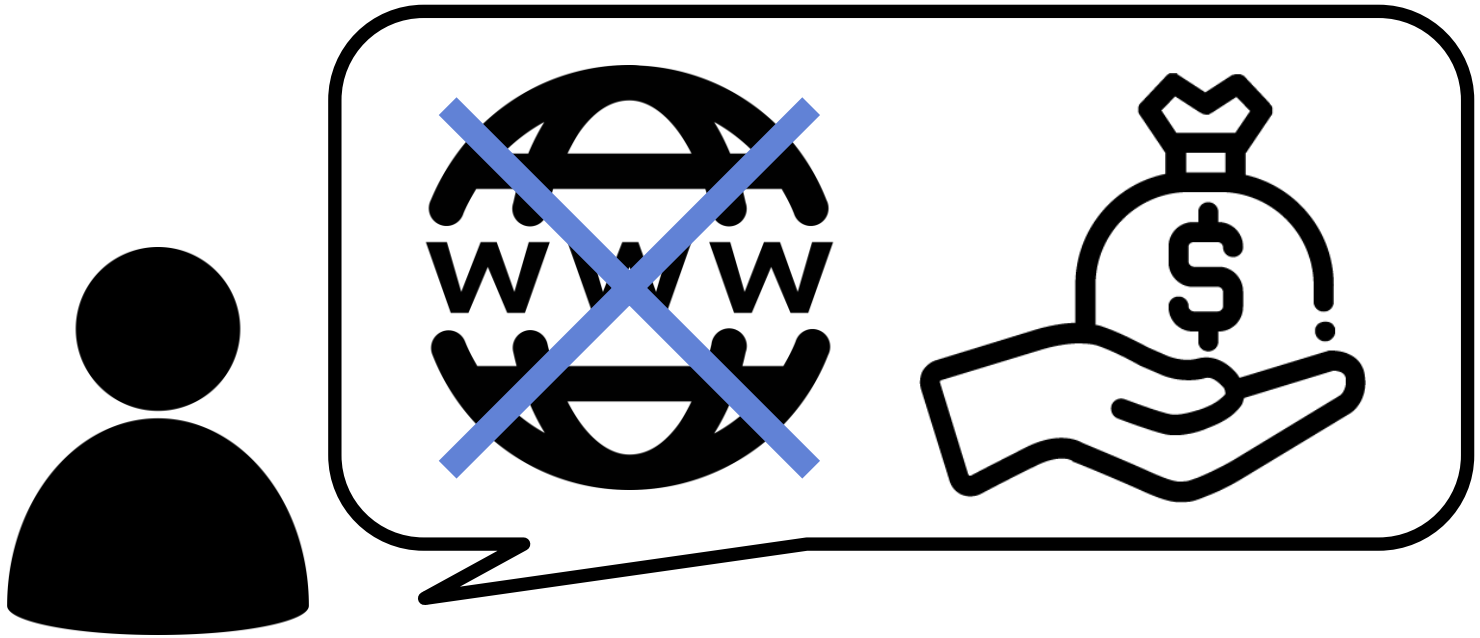
Board System

Diagram in <Design Specification>



COMPLEMENTARY

Problems in System

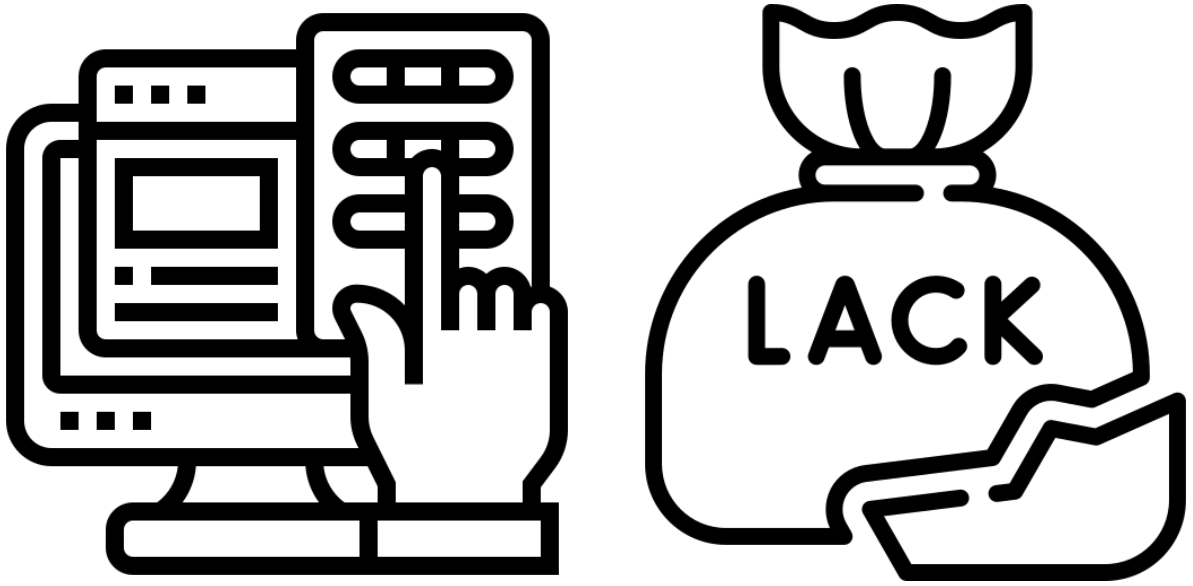


Deployment

- This project could not be deployed through the domain because it would **incur the cost** of **purchasing the domain** if we try to use the domain for Edupy's deployment.
- Therefore this demonstration will be conducted on the team member's computer with the database.

COMPLEMENTARY

Problems in System



Lack of curriculum and content

- Edupy was developed with the goal of **a web service system for real-time chat implementation on Python** but can then add curriculum or educational content.
- However, **it currently has only one curriculum**, which can lead to **a lack of user interest** and **a lack of use cases**.

Demonstration

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