

Assignment 2 – Server Implementation

Overview

This project is a partial implementation of the given assignment. Due to time constraints, I was able to complete only the **server-side** component. The client-side or additional functionality has not been implemented yet.

The completed server is built using **FastAPI** and can be run locally to handle API requests.

Features Implemented

- Basic **FastAPI** server setup
- Endpoint structure ready for extension

Requirements

- Python 3.8+
- FastAPI
- Uvicorn

Install dependencies with:

bash

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```
pip install fastapi uvicorn
```

How to Run the Server

1. Navigate to the project directory where server.py is located.
2. Run the server using:

bash

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```
uvicorn server:app --reload --host 0.0.0.0 --port 4000
```

3. Open your browser and go to:

arduino

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http://localhost:4000

Current Status

- ☒ Server-side completed
- ☐ Client-side not implemented
- ☐ No database integration yet

Note

Note: Due to time constraints, I was only able to start work on the server component of the assignment.

This part may not be fully functional or complete, but it represents my progress so far.