

Progress Project 5

CSIS 4495-050 Applied Research Project

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1. Work Logs

| Date | Number of Hours | Description of work done |
|------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| 2025-11-09 | 0.5 | Define OCEAN personality trait questions |
| 2025-11-10 | 3 | Created the main.py file to run the FastAPI server and connect all API functionalities." |
| 2025-11-11 | 3 | Create model.py and check in main.py, model.py and personality questions at kim branch, implementation/ backend/personality. |
| 2025-11-12 | 3 | Creating Midterm presentation slides |
| 2025-11-12 | 2 | Refining personality code and main.py code |
| 2025-11-20 | 2 | Improving some pending things in personality traits backend implementation. |

2. Description of Work Done

From November 9 to November 20, I worked on defining the personality-trait logic, implementing the backend structure, and preparing the midterm presentation for the Career Recommendation project.

On November 9, I defined the OCEAN personality trait questions that would be used for both modeling and API responses.

On November 10, I created the main.py file to run the FastAPI server and connect all API functionalities.

On November 11, I created the model.py file, integrated it with main.py, and pushed both files along with the personality-question dataset to the *kim* branch under implementation/backend/personality.

On November 12, I began drafting the midterm presentation slides.

Between November 12 and November 20, I continued refining the personality-prediction code and made several updates to improve pending items in the backend implementation.

3. Repo Check-ins (Completed)

implementation/backend/personality/main.py: Created the main.py file to run the FastAPI server and connect all API functionalities. (check-ins were pushed to the Kim branch.)

implementation/backend/personality/model.py: Created the model.py file and integrated it with main.py, including personality-trait question handling. (check-ins were pushed to the Kim branch.)

implementation/backend/personality/personality_questions: Defined and added the OCEAN personality trait questions for backend processing. (check-ins were pushed to the Kim branch.)