

# FEED Pulse

[My feedback](#)[Group feedback](#)[Peer feedback](#)**Jiang, Tony T.N.P.**

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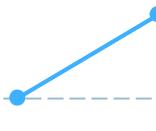
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## Checkpoint 7 individual bp 31-10-2024



Jiang, Tony T.N.P. 3 days ago

I showed and explained to Bartosz what I did during my vacation for my project.

I showed that my song service is containerized with Docker and pushed to Docker Hub, allowing CRUD operations when running the song service in Docker.

I presented the research I conducted for the initial version of my CI/CD pipeline and explained how it would work for my application in Golang.

I also mentioned that I created an OWASP Top 10 report to validate my application's security in each sprint. Additionally, I discussed that I'm currently looking into cloud functions, exploring how they work and which services to use for Golang.

Bartosz liked my progress so far. However, I feel that I need to implement more features; currently, I have only the song service implemented, and I still need to work on the CI/CD pipeline.

Next steps:

- Implement the initial CI/CD pipeline.
- Implement the database.
- Implement initial cloud functions.



Jiang, Tony T.N.P. 3 days ago

I also had a meeting with Ema, where I updated her on what I did during the three weeks she was absent. I showed and discussed the same things I presented to Bartosz, including my microservice architecture and database decisions



Write a summary of what you discussed with your teacher...

[Post feedback](#)

## Checkpoint 6 bp 17-10-2024 🔒



Jiang, Tony T.N.P. 17 days ago

I showed my microservice architecture to Bartosz and explained that I'm researching which database to use for each microservice based on the use case.

I also presented my updated microservice architecture and explained the design decisions I made. For example, my user service has a message broker to the other services to comply with GDPR guidelines, which grant users the right to delete their data. The message broker would send a message to the relevant service to delete the user's data.

Bartosz said the microservice architecture looks good, and he liked the explanations I provided. He also suggested that I document design decisions, like the one regarding GDPR, and mentioned that there may be some changes once I start programming.

Regarding my database research, I explained that I'm using the CAP theorem to determine the system's requirements. Based on CAP, my system prioritizes Availability and Partition Tolerance because it needs low response times, as it's a game where users expect quick feedback. Partition Tolerance is also necessary for the system to function when the network is down. Data Consistency isn't as crucial since users aren't concerned about the accuracy of their game scores. I also mentioned that I looked into Polyglot Persistence, where each microservice would use a specific database suited to its use case.

Bartosz liked the approach I'm taking.

Next steps:

- Document the design decisions I just mentioned for the microservice architecture.
- Choose and start implementing the appropriate database for each microservice.

**Checkpoint 5 review of the structure of your portfolio 08-10-2024**  **Jiang, Tony T.N.P.** 24 days ago

I received feedback from Robert and Bartosz on my portfolio.

Robert's feedback: I need to write a bit more, especially in the "ambition" section. Overall, the structure is good.

Bartosz's feedback: I should look into what "manage and control" means, add a plan for how I will approach each learning outcome (LO) for this semester, and work on multiple LOs in parallel.

Plan for the next portfolio submission (Portfolio 2):

- Look into "manage and control" and what type of file it needs to contain.
- Update the structure: Include a detailed plan for each LO for the spring semester, outlining what I will do to achieve proficiency.
- Expand the "ambition" section: Add more information about myself and my goals.
- Increase pace: Begin working on two LOs in parallel to improve my efficiency.

**Checkpoint 4 bp and ema 23-09-2024** **Jiang, Tony T.N.P.** a month ago

I showed Bartosz and Ema my main research question along with some sub-questions from my research plan. Ema asked why I chose Go, and I explained that it is becoming popular, offers scalability, and I want to learn it. Bartosz suggested modifying the main question slightly and adding my project name to it. He also recommended incorporating implementation-related sub-questions and referencing my project within them. Additionally, I currently lack a sub-question about best practices. Ema advised me not to focus on learning the basics of Go, but rather to emphasize non-functional requirements and learning outcomes. One potential sub-question could address deployment, such as how Go applications are deployed or how they could be deployed to the cloud. Overall, they thought it was a good research plan, with a few adjustments.

### Checkpoint 3 individual project (Ema) 19-09-2024 🔒



Jiang, Tony T.N.P. a month ago

I showed Ema my non-functional requirements and my architecture diagram. She said that for the non-functional requirements, I need to be more detailed and specific, and I should do some research on them and provide reasons why. For the architecture, I should explain why I designed it this way, such as using microservices, and why I split it into those specific services. Always focus on the reasons behind these decisions.

### Checkpoint 2 individual bp 19-09-2024 🔒



Jiang, Tony T.N.P. a month ago

We discussed how to create an enterprise architecture, including the process of building one, the role of packages and modules, and the reasoning behind dividing functionality into classes. We were encouraged to explore best practices for architecture design and to understand what should be avoided.

We also reviewed Timothy's architecture diagram, analyzed it for potential issues, and considered the reasons for dividing the services the way they were.

Additionally, there was a discussion on the importance of forming and expressing your opinions in a software environment. Speaking up and sharing your thoughts with co-workers is crucial, especially when they seek your input.

## Checkpoint 1 bp individual 12-09-2024 🔒



Jiang, Tony T.N.P. 2 months ago

I presented my individual idea to Bartosz before working on the pitch PowerPoint presentation. The concept is a song-guessing game where the user has 3 to 5 attempts to guess the song. With each attempt, an additional second of the song is played to help the user make their guess. Users who are not logged in can only play the game once per day, while logged-in users can play as often as they like. Logged-in users can also create playlists of songs for others to play, which will be moderated.

There are three roles:

Admin: responsible for creating songs

Moderator: overseeing and moderating the playlists and users

User: the player of the game

Bartosz said this was a good starting point and suggested I consider some challenges, such as:

How many users do I want on the website, and how much revenue should the site generate monthly? For example, how would I manage 50,000 users?

How would I prevent cheating?

How would I handle bots?