

IM3080 Design and Innovation Project (AY2023/24 Semester 1)

Individual Report

Name: Josiah Chua Ing Peng

Group No: 7

Project Title: Duelingo

Contributions to the Project (1 page)

Research

Structure of database

Multiplayer backend

Leaderboard page backend and frontend

1.5 min video

Poster

Presentation

Reflection on Learning Outcome Attainment

Reflect on your experience during your project and the achievements you have relating to at least two of the points below:

- (a) Engineering knowledge
- (b) Problem Analysis
- (c) Investigation
- (d) Design/development of Solutions
- (e) Modern Tool Usage
- (f) The Engineer and Society
- (g) Environment and Sustainability
- (h) Ethics
- (i) Individual and Team Work
- (j) Communication
- (k) Project Management and Finance
- (l) Lifelong Learning

Point 1: _____ Individual and Teamwork _____

It was the first time that I am working in a group of 10 people which is a big group to me. I was able to learn more about how to communicate and not be afraid of making mistakes and asking for my other group mates for help. I was able to learn also how to effectively communicate with others and adapt to situations I have not faced before. I also learnt more on my working style as I went through the project with many people and will see these skills useful in the future when I work with others.

Point 2: _____ Modern Tool Usage _____

This is the first time I am using react native to code hence there was a bit of a learning curve for me, and I was able to learn more on coding eg. the language and just how to be a better coder. For the language I got exposed to typescript which I had to make small adjustments as I has previously learnt JavaScript. On being a better coder, I was able to source out code that I had previously not known, and I was able to find ways to implement these codes such as backend and frontend which will enhance the way I code in the future.
