

## Individual Report: Yap Jing Yang (A0229976H)

### Personal Contribution & Learning Journey

I am the project lead and therefore was heavily involved from the start of the project till the wrap-up. After the project idea was selected, I helped and led the team to brainstorm for features, defining the problem statement, defining our main objective and tasks delegation. I help to plan and coordinate weekly progress meetings and ensure that our project sub-tasks are completed as per planned.

I also was given the task to design and build the Nurse Dashboard Frontend User Interface where I learnt how to use Angular. It was a daunting task in which I was unfamiliar with Javascript and HTML and had to spend many hours learning Angular through the online tutorials as well as seek advice from Ramya, our technical lead. I also learnt how to write code to interact with the external APIs that were communicating with the database.

I was also introduced to Mongo Database which is a cloud NoSQL database service.

### Learning Outcome

Throughout the module and the group project, I have learnt so many new things. First of all is the Angular software that I use to create the Nurse Dashboard frontend. This project has enabled me to learn more in-depth about the Angular framework and how to correctly utilize its features such as components, services, templates, forms, models, etc.

Also through this project, I was introduced to many other new concepts such as MyCroft API, MongoDB, VisualCode, SendGrid, Postman and Heroku Server Deployment. These tools are essential to the completion of the project.

### Knowledge & Skill Application

Learning Angular and its web applications has been a really fruitful learning experience. This experience has also helped me to understand more about JavaScript, HTML and TypeScript in building single page applications.

Through the different knowledge gained from the project practical work, I will look out for opportunities in my workplace to apply the knowledge. In fact, I hoped to apply my newly gained Angular programming skills to improve the User Interface of the robotic project in my company.