

## **Group 1 Project**

### **Individual Assignment**

**Due date: 28-03-2022**

### **Project 3**

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#### **My role in the group**

My role is to design a system that is based on medication. It's a big system that is based on the hospital environment. My part is more based on the design of the system where I have to physically design the structure either by coding it or using use cases diagrams, or other platforms of designing, it will also include the requirement engineering such as defining the process, documenting and maintaining requirements in the engineering design process of the hospital, my role is also include the programming and unit testing and this will allow other team members in the group to review the unit test code once is ready to be tested.

#### **Task allocated to me**

I am responsible to write up the group organization for the team of this project, and I've listed a summary of my tasks that I am responsible to do below.

- **First one is Requirements Engineering and include the following below**

- Write up user stories.
- Analyze the user stories to extract functional and non-functional requirements of the sub-system.
- Analyze the user stories to extract domain objects from the user stories.

- **Second one is Design the system and included the following below**

- Draw up use case diagrams for the medication management functional requirement.
- Create domain class models from the domain objects.
- Design data relational model.
- Design the functional requirement's logic and create a sequence diagram.
- Design the functional requirement's user interface.
- Design system's architecture and components.
- Review teammate's designs.

- **Third one is Programming and Unit testing and included the following below**

- Prepare a unit testing strategy.
- Write up unit tests.
- Program the functional requirement according to the design.
- Send code for reviewing.
- Review teammate's code & unit tests.

#### **Task Completed**

So far we manage to come up with our system structure, what we will do, and we managed to split the task to individual. The tasks that we completed are communication and planned strategies, we managed to allocate tasks to individually, we managed to

do the group organization, and we managed to split the roles to individual. We also created minutes and managed to upload it on blackboard.

### **Outstanding tasks**

Our system is not fully functioning, no testing units made so far, no user stories, no use case diagrams made so far, no proof of coding made so far, we believe our system will be fully functioning towards the end of the year where we going to compile everything together and making one thing.

### **Possible improvement for the group and me as individual**

As a group I've noticed that we not meeting on time, we end up rushing our work and spend a lot of time to cover previous work, I believe if we can meet every week to discuss task on time could help us a lot. Furthermore in my group we are not meeting phycally we using WhatsApp and discord whenever meeting and that sometimes makes it impossible to meet because some group members comes with stories when ever we have to meet, I believe if we were meeting physically on campus we were going to achieve a lot and making eye contact whenever having a meeting makes works go smoothly and gain confident to other team members in the group, I prefer working with a group while we see each other.

### **Things I've learned**

I've learned new skills of working with a team such as listening, communication writing. I've learned on how to respect ideas and members of the group and taking each member serious. I've learned a lot also more about the system of the hospital on how it works in terms of software planning design and on how to breaking it to pieces to make up the whole/full system as a plan not yet started with it yet only ideas. I've learned on how to take minutes of the meeting during our group discussion and recognized how important it is. I've learned on how to do the description for the medication management functional and non-functional requirements.

### **Github link below**

<https://github.com/213063964/Individual-Project-3-Task.git>

### **LinkedIn Learning**

I managed to finish and gained more knowledge on the Managing a diverse team.



LinkedIn LEARNING

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Congratulations, Elvis Princely

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