FACULTY OF ENGINEEERING

SCHOOLF OF COMPUTING

SCSR1213 - 03

NETWORK COMMUNICATION

PROJECT TASK 6B : INDIVIDUAL REPORT

GROUP G

GROUP NAME : GG

LECTURER :

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PREPARED BY :

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[A17KM0351]

In this project, we have been assigned to a group of 3 to 4 randomly. As we all know, this semester has been conducted through online distance learning (odl) so there are possibilities that none of the members know each other in their group. Our group consists of 4 people, Liew Wei Xian, Mohamad Syahmi, Saiful Habib Danial and myself. Though we have never been in the same group before, I believe each members partake in completing this project fairly. This project has been split into 5 tasks and the topic learned in this course will be implemented as well.

For the first task, we unanimously chose GG Co. for our group name which stands for Good Game Co. We first decided the design of the building followed by the floor plan. In this task, Syahmi drew all the floor plan according to the discussion, ideas and suggestion that has been listed out by our group members. We re-checked all floor plan for improvement, accuracy and details to avoid careless mistakes.

In the next task, we were required to create Q&A regarding requirement and information that is necessary to develop a network plan altogether with feasibility of the project. Feasibility is completed by Liew, Q&A were done by Habib and I and Syahmi re did the floor plan as advised by our lecturer.

Next, task 3 was to choose the network devices and reflection based on the requirements and needs of the organization. All the research were found mostly from online shopping application such as Shopee and Lazada. All the boys listed out the devices and quantity needed and I elaborated the reflection.

Continuation of task 3, task 4 was to choose the right connection, LAN and WAN. Location for the switches, cable types and other devices such as router were chosen in the work area and telecommunication room. Each details were also explained in floor plan and elaboration in the report. Thus, we divided the tasks into two, listing and choosing the work area, connection patch cords and switch ports and the details elaboration and drawing of floor plan.

Lastly, task 5 were asked to distribute the subnetwork fairly according to the IP address provided for each group. In this task, divided the IP address by each floor. We first calculated the subnet mask, broadcast, network and available usage address from the given IP address. We then chose the proper notation to be used in each floor and calculated the subnet mask, broadcast, network and available address for each.

From my point of view, each member did their part very well and no quarrels have occurred throughout completing this project. Though we have never done a face to face discussion, each members participated in the discussion actively. All members also gave proper feedback and opinion when another member asked to check their part for each task. I feel comfortable with the group members as they never gave excessive pressure and guided each other nicely. Besides, in this project, I gained lots of knowledge that will be very useful for my future self and real life experience. I learned how to do a proper network design for a building, what network devices to choose and why, how to distribute the subnetwork and many more. Furthermore, the group members really help me to develop great understanding about things I have never noticed or understand about networking.

To conclude, I am highly impressed with my group members knowledge and how they work in this project. Apart from that, I believe it will be more great if we can actually experience to complete this project in a proper environment in campus.