

# Final individual self-reflection report

## **Myself In 5 words**

- Quick Learner
- Team Player
- Hardworking
- Adoptable
- Flexible

## **What I learned through the third-year group project and how it could benefit?**

Our third-year group project “Builtrackr” is a software system we created focusing on the business domain of construction. We were given instructions to show a proper business process contributing to the system to the industry hence, the first thing we learned through this project is how to do a project related to the business category and what are the things we have to consider when we are doing this kind of project. We learned about creating a business canvas, and SWOT analysis when we were planning our project. As an individual through this project, I learned a new technology stack and various soft skills like adaptability which will be beneficial when I step into the industry and also in future academic projects. I also learned about various team collaboration tools and experienced why they are needed when we are doing a project. Through this project, I learned about time management and working under pressure as we had to deliver a completed project roughly within 5 months and manage our academics. I experienced how project management can happen in industries which is very beneficial for me in my future career.

## **My group work experience, my role, and my contribution to the group**

Throughout the third year group project, I had a good group work experience, we had good communication wherever an issue arose we communicated and tried to solve it and everyone in the group tried to do their best for the group. My role within the group I can describe as an assistant, I assist and help our group leader to divide the work and keep track of the work we are doing. Every member of our group actively participated throughout the software development life cycle everyone did software requirement analysis, gathering information, planning, designing, implementing both the front end and back end, and also testing. We didn't focus on a role like someone doing documentation and information gathering because we wanted to learn throughout the process. My contribution to the group is I got the role of the Supervisor in our system, I implemented all the functionalities related to the Supervisor, designed the UIs, implemented both the backend and frontend, and also tested related to the role supervisor.

The functionalities I implemented are,

- Managing The KanbanBoard
  - View tasks
  - Creating the cards according to the task given by the site manager
  - View and Assign/ Unassign Labourers to each task
  - View and Assign Equipment/ Materials to task
  - Decline tasks
  - Update complete task
  - View the comment of the site manager
  - Request labor leave
  - Request material/equipment
- View progress and analytics
- Document upload

### **What went wrong and what went well for me and How can I improve myself in Future?**

Even though we had good teamwork sometimes simple issues arose as we had different learning curves and work capacities also we had 6 members doing different modules for the 3rd year which sometimes became a problem for me as each one of us had different schedules hence time allocation for the group project is different so if I got an issue I can not communicate with members quickly but we manage to overcome to those challenges through good communication and trust within members. If I describe what went well for me I can say It was easy to give an idea and talk about different methods to implement with members because all of them are flexible and listen to what I say and show me if I have to change something. Things I have to improve myself as I think mainly I have to learn more about version control (Github) because we had some issues when merging and also I have to learn more new technologies and how to use components and APIs.

**Group No : G52**  
**Name : K.M.G.S Kulasekara**  
**Reg number : 2020/CS/098**