Managerial Report
WIA1002/WIB1002
Data Structure Assignment
Semester 2 2020/2021

Project 2: 'Always On Time' Delivery

Your friend's delivery company 'Never On Time Sdn Bhd' is receiving tons of complaints from customers as they feel that the delivery process is far too slow. Delivery men in your friend's company are always lost in the middle of their delivery route, don't know where to deliver the parcel and which road they should take to shorten the delivery time. You as a professional engineer are requested to simulate the delivery process and planning in a country to help your friend shorten their delivery time.

Tutorial & Lab Group: 7
Lecturer: Dr. Muhammad Shahreeza Safiruz Kassim
Instructor: Hoe Jiun Tian
Prepared by:

Name	Matric No.
YAU DE MIN	U2005347/1
HONG ZHAO CHENG	U2005280/1
CHIEW ZHE WEI	U2005368/1
WONG YU XUAN	U2005388/1

Team Formation

Our group is formed in a partially random way among all the students who are taking the course, Data Structure(DS) in the same tutorial group 7 tutored by Dr Muhammad Shahreeza via Java Program which is generated by Dr Muhammad Shahreeza. Our group was formed on 3th May 2021.

Due to the pandemic COVID-19, we could not meet up with each other physically. Thus, we have created a WhatsApp group to discuss the questions in the assignment. Subsequently, we had also created a github respiratory so that everyone can easily work on this assignment together as a group. Moreover, our main intention is to learn together on all the questions of the assignment so we can enhance our understanding of programming.

Role Delegation

We were using google docs to write our report. The main reason we would use google docs is because it allows users to create and edit documents online as well as collaborating with other users in real-time. Besides, users can track edits with a revision history presenting changes.

Apart from that, coding was done using a code repository platform, GitHub. GitHub is a code hosting platform for version control and collaboration which allows us to work together on this project easily. A private repository was created for this project. With this setup, everyone in the group is able to contribute to this project seamlessly.

Members	Role	Responsibilities
YAU DE MIN U2005347/1	- Coding - Debugging - Testing - Implement extra features - Technical Reporting	Emphasise on coding and compilation - Plan and code for main features - Combine and compile coding for different part to ease usage
HONG ZHAO CHENG U2005280/1	- Coding - Debugging - Testing - Implement extra features - Technical Reporting	Emphasise on debugging - Search and test for compilation and runtime errors - Bugs checking
CHIEW ZHE WEI U2005368/1	- Coding - Debugging - Testing - Implement extra features - Technical Reporting	Emphasise on extra features - Plan and code for suitable extra features - Plan and code for basic feature
WONG YU XUAN U2005388/1	- Coding - Debugging - Managerial Reporting - Testing - Implement extra features	Emphasise on reporting - Maintain organised and up to date reporting - Ensure all features required implemented

Project Timeline

Date	Agenda
2th May 2021	Team formation
8th May 2021	Received the task
9th May 2021	Discussion via Google Meet
10th May 2021	Role delegation
11th May 2021	Start coding
25th May 2021	Case testing and debugging
28th May 2021	Bug fixing
2nd June 2021	Report writing
7th June 2021	Report finalisation

Problems Faced

Date	Problems	Solution
2nd May 2021	Team formation	Formed a WhatsApp group
10th May 2021	Unable to meet up physically for discussion	Meet via Google Meet
10th May 2021	Question understanding and algorithm designing	Seek advice from instructor and demos
11th May 2021	Time management	Strict appliances to reasonable and achievable datelines
11th May 2021	Difficulty on code sharing due to large coding	Use GitHub so that everyone can paste and update their code seamlessly
2nd June 2021	Found several bugs and limitations	Discuss about the solution to fix the bugs via Google Meet