UNIVERSITY OF MALAYA

WIA1002 DATA STRUCTURES

Managerial Report

Group Name: ERROR 404

Group Members:

1. HONGWEI LI (Leader) - S2018420 - OCC 3

2. MOHAMMAD IRFANUL HAQUE - S2012063 - OCC 7

3. LEE KAI YANG - U2005398 - OCC 2

4. TIANYI LIU - S2018504 - OCC 3

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GROUP DETAILS

Group Name: **ERROR 404**

Group Members:

Name	Matric Number	OCC
HONGWEI LI (Leader)	S2018420	3
LEE KAI YANG	U2005398	2
MOHAMMAD IRFANUL HAQUE	S2012063	7
TIANYI LIU	S2018504	3

Team Formation

All of the students were told by Dr Adeleh to form a group of 4 members for the Data Structure Assignment. After that, we discussed the group name and decided who will be our leader. Our group members come from different occurrence groups. Our leader filled up the Google Form regarding information about group members and submitted it. We got the question of our project assignment after a few weeks.

Our group consists of Hongwei Li, Lee Kai Yang, Mohammad Irfanul Haque and Tianyi Liu which come from different countries.

After getting the question assigned by our lecturer, we started to read and understand the basic requirements and extra features of the assignment. Eventually, we held a virtual meeting on Google Meet to discuss our assignment. In the meeting, we gave our ideas and distributed specific parts to each group member.

TASK ASSIGNMENT

Name	Role	Task assigned
HONGWEI LI (Leader)	- Coding - Testing - Technical report	Emphasis on coding and technical report - Basic Simulation Algorithm - A* Simulation Algorithm - Debugging - Organising Technical report - Update work progress and information
LEE KAI YANG	- Coding - Debugging - Testing - Managerial report - Technical report	- Basic Simulation Algorithm - MCTS Simulation Algorithm - Debugging - Compile Managerial report and Technical report - Checking for errors or bugs of the program
MOHAMMAD IRFANUL HAQUE	- Coding - Debugging - Testing	- MCTS Simulation Algorithm - Debugging - Update managerial report - Checking for errors or bugs of the program - Creating GUI
TIANYI LIU	- Coding - Debugging - Managerial report	- Greedy Simulation Algorithm - Debugging - Update technical and managerial report - Checking for errors or bugs of the program

PROJECT TIMELINE

Date	Project Activities
8 May 2021	Formation of group
9 May 2021	Group leader send Google Form of group details to their respective lecturer
12 May 2021	Distribution of assignment question to each group
14 may 2021	Meeting of group to discuss problem in assignment
15 May 2021	Analysing of question requirements
16 May 2021	Assignment of different parts to different group members
17 - 30 May 2021	Group members carry out their respective tasks
3 June 2021	Second meeting to discuss problems faced by each group member
6 June 2021	Compilation of work
7 June 2021	Discussion of extra features
10 June 2021	Complete managerial report and technical report
11 - 13 June 2021	Final checking and debugging
14 June 2021	Submission of project assignment
18 June 2021	Presentation of project assignment

PROBLEMS & SOLUTIONS

The problems faced and how we solved them are tabulated as below. Many problems are encountered and all group members cooperate by giving efforts to solve them together.

No.	Problem	Solution
1.	Difficulties of team formation in Padlet	By coincidence we have found group members from different countries.
2.	Problem of merging and compilation of work from different group members	We discuss and modify the code we have completed.
3.	Difficulties of understanding concept behind MCTS simulation	We find more information through different websites for more understanding and try to follow the pseudocode given by senior.
4.	Time management	We break the assignment into smaller and specific parts and set a deadline to complete it on time.
5.	Appearance of multiple bugs	We have a virtual discussion via Google Meet to discuss and debug together.
6.	Difficulties of having discussion on Whatsapp group chat and misinterpretation of task allocations	We organise a virtual meeting through Google Form to discuss the assignment question together.