SOFTWARE ENGINEERING MANAGEMENT AND DEVELOPMENT

BUS TRACKING AND ARRIVAL TIME PREDICTION SYSTEM

MEETING NOTES

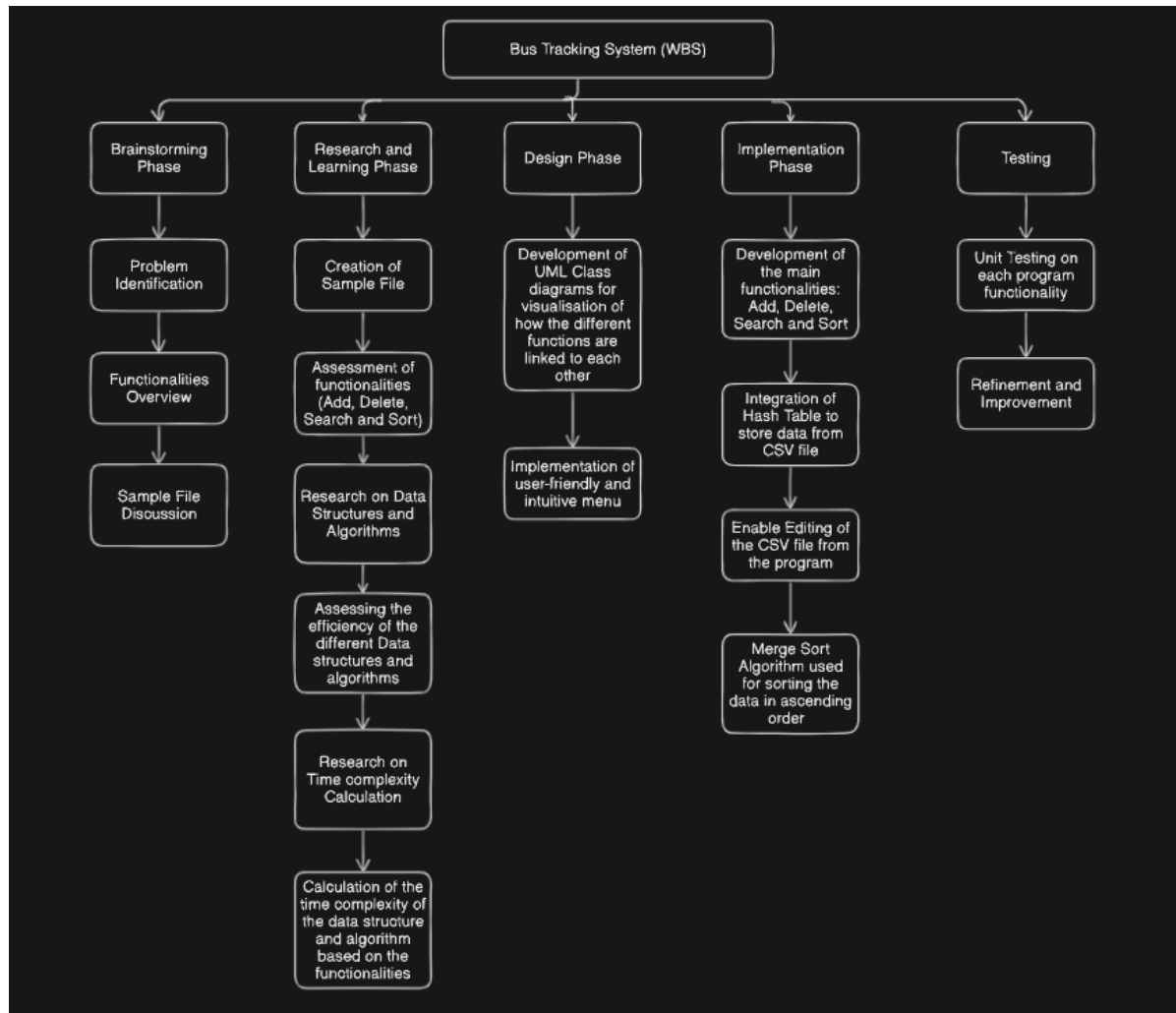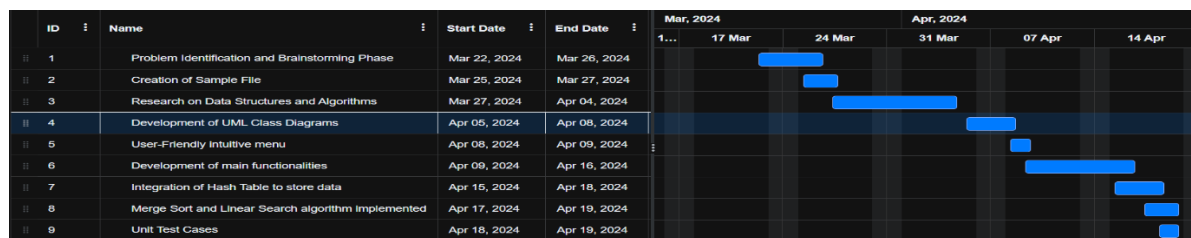| STUDENT NAME:	STUDENT NUMBER:	ROLE:
IMAAN HAYFAA KUREEMBOKUS	M00952402	SCRUM MASTER
RAZEEN MODAYKHAN	M00952403	SECRETARY
CHIMARAOKE MBATA	M00909998	DEVELOPER 1
LISA GRACE EASTON	M00934573	TESTER
EDWIN ABDON SHAYO	M00906834	DEVELOPER 2

TUTOR: MR ADITYA SANTOKHEE

DATE: 21ST APRIL 2024

Work Breakdown Structure:

Gantt Chart:

Group Details:

Project Name	Bus Tracking System
Group Name	Gloria foramiss
Sprint Number	1
Date	21/03/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	None	Understand how to use Azure Devops	None
Razeen	None	Create a working repository	None
Chima	None	Research on C++ algorithms and time complexities	None
Edwin	None	Analyse project requirements, UML and, functionalities	None
Lisa	None	Research on catch tests to implement	None

Group Details:

Sprint Number	2
Date	22/03/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Azure Devops Project was created	Understand how to use Devops and use its project management tools	Inviting team members to Devops and assigning roles
Razeen	Azure Repository was created successfully, and first commit was made	Acquire experience and understand how Devops version control works	Linking Visual Studio Code and Devops
Chima	Examples of similar codes was brought forth and discussed	Research on suitable algorithms to use for a bus tracking system	None
Edwin	Concise explanation on the project requirements and UML	Research on sample data to use in the program	Confusion on sample data size
Lisa	Found materials to use for testing	Research on conventional testing methods	Git pull issues on terminal

Group Details:

Sprint Number	3
Date	23/03/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Team ecosystem functional in Devops	Create a Work Breakdown Structure	Devops sprint meeting option not functional yet
Razeen	Repository was made functional	Create a Gantt Chart	Not finding proper Gantt Chart maker tools
Chima	Found potential issues with strategy	Develop the skeleton of the program and implement simple features by next meeting	Confusion on what libraries can be used
Edwin	Found examples of sample data		Sample data implementation
Lisa	Set of rules for testing was made aware to developers		None

Group Details:

Sprint Number	4
Date	24/03/2024
Time	13:40 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	WBS was presented and shared	Refine Devops to hold sprint meetings	Issues with using Devops for collaborative works
Razeen	Gantt Chart was presented and shared	Plan the report structure	None
Chima	Skeleton of program with simple functionalities was presented	Research on coding conventions for C++	Committing issues on Devops
Edwin		Create Header file	Sample data source has not been found yet
Lisa		Simple tests on the skeleton program	None

Group Details:

Sprint Number	5
Date	25/03/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Changed WBS to fit strategy	Create new Devops Project due to issues with settings	None
Razeen	Report structure was submitted to leader	Help team leader with Devops Project	Report structure lacked key elements
Chima	Coding rules were explained to developers	Adjust all codes to abide with code conventions	None
Edwin	Header file was presented and explained	Added documentation to parts of the program	None
Lisa	Test programs ran successfully	Help Edwin document	Testing conventions were not met

Group Details:

Sprint Number	6
Date	26/03/2024
Time	13:25 – 13:40

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	New Devops Project created, and team members were invited	Plan the implementations needed for the bus tracking system	Devops Repository push requests denied
Razeen	Submitted corrected report structure		None
Chima	Program was adjusted to convention and explained to Edwin and Lisa		Cannot move forward with program without sample data
Edwin	Program was fully documented and explained to Imaan and Razeen	Find sample data suitable for Mauritius	None
Lisa			None

Group Details:

Sprint Number	7
Date	27/03/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Implementation plans presented and explained to Lisa and Edwin	Ask lecturer for clarifications on sample data	Devops not working as intended
Razeen		Set up a Discord server as communication platform	None
Chima		Implement sample data in program	Limited time to implement sample data
Edwin	Excel Spreadsheet bus data sample data found	Research on makefiles	Sample data is too small
Lisa		Test sample data	None

Group Details:

Sprint Number	8
Date	28/03/2024
Time	17:30 – 17:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	None	Create templates for meeting notes and structure	Clarifications on sample data was not yet given by lecturer
Razeen	Discord server successfully functioning as communication platform	Provide assistance to Imaan	Git issues with Devops and Visual Studio Code
Chima	None	Implement sample data in program	Errors in reading sample data with program
Edwin	Makefile was explained to team	Create a makefile and commit to Devops	Git push issues with Devops
Lisa	Sample data format was tested to work correctly	None	None

Group Details:

Sprint Number	9
Date	29/03/2024
Time	13:30 – 13:50

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Reviewed program and templates	Write a report draft	None
Razeen	Corrected templates	Start compiling meeting notes (deadline next meeting)	Limited time to finish compiling meeting notes
Chima	None	Implement sample data (deadline next meeting)	Errors sorting data and abide by UML design
Edwin	Makefile successfully compiles the header and program file		
Lisa	None		

Group Details:

Sprint Number	10
Date	30/03/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Report draft submitted and presented to team	Review the requirements of the project	Complaints from team concerning Devops, issues in using the Boards and Pipeline
Razeen	Unfinished compiled meeting notes was presented and reviewed	Find material for algorithms to use	
Chima	Implementation of sample data in program successfully displays data	Implement function to manipulate data (search, delete, sort)	
Edwin			
Lisa		Create a main test file	

Group Details:

Sprint Number	11
Date	31/03/2024
Time	13:30 – 13:40

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Review of the requirements explained	Ask lecturer if BitBucket can be an alternative for Devops	Some project requirements lack details
Razeen	Examples of algorithms to use and their advantages/disadvantages were presented	Compile remaining meeting notes	None
Chima	None	Implement functions to manipulate data	None
Edwin	Error handling implemented		None
Lisa	Test file in progress	Finish test file	Limited time

Group Details:

Sprint Number	12
Date	01/04/2024
Time	17:25 – 17:40

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Received confirmations for both sample data size	Find material on the example algorithms	Version Control issues
Razeen	None		None
Chima	None	Implement functions to manipulate data	Sample data size changes structure of program
Edwin	None	Find sample data with millions of data	
Lisa	Test file presented and reviewed by Chima and Edwin	Work with Chima to implement data manipulation	None

Group Details:

Sprint Number	13
Date	02/04/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Short report on research on time complexities	Test and review program	None
Razeen		Review code conventions	None
Chima	Code review and presentation to team	Develop functions to handle big data	None
Edwin			Generation of sample data
Lisa	None		None

Group Details:

Sprint Number	14
Date	03/04/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Adjustments made to the program to fit UML design	None	None
Razeen	Adjustments made to the program to fit code conventions	Create a BitBucket repository and test it	None
Chima	Updated program to handle big data	Implement user validation	Hash table implementations
Edwin			None
Lisa		Understand the use of REQUIRE and CHECK	None

Group Details:

Sprint Number	15
Date	04/04/2024
Time	13:40 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Clarified to team the UML design and requirements for data structures to be used in program	Refer to lecturer about algorithms and libraries allowed to use	None
Razeen	BitBucket repository successfully created, and team members invited to the project	Write a draft report on time complexities for the report	None
Chima	User input validation implemented with proper messages and warning	Implement more functionalities such as compare arrival times	None
Edwin			None
Lisa	Simple implementation of CHECK in test.cpp	Add more tests	None

Group Details:

Sprint Number	16
Date	05/04/2024
Time	13:25 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	None	Continue with report, finish Introduction and Design	Cannot move forward with report until developers have confirmed the algorithms
Razeen	Meeting notes properly compiled	Document code	None
Chima	None	Develop compare arrival time and write data to excel sheet	Implementing classes into program
Edwin	Added user validation into functions	Improve functions	None
Lisa	Adjusted test.cpp to work with the bus.cpp	Work with Edwin to keep test.cpp consistent with bus.cpp	None

Group Details:

Sprint Number	17
Date	06/04/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Introduction and Design part of the report discussed and presented	Continue with report	None
Razeen	None	Adjust Gantt Chart with the changes	None
Chima	Added buses to csv function	Add delete bus function	None
Edwin	Suggestions made to Chima to improve loops	Add search bus function	None
Lisa	Confirmed variable names to be used from thereon	Add more tests for the added functions from developers	Changes from developers restrict development of tests

Group Details:

Sprint Number	18
Date	07/04/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Progressed with report	Continue with report	None
Razeen	New Gantt Chart presented	Adjust WBS to fit new strategy	Limited time to complete tasks
Chima	Explained new functions added	Develop hash table	
Edwin		Implement error handling	None
Lisa	Explained test cases	None	Developers are not done with some functions

Group Details:

Sprint Number	19
Date	08/04/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Progress was made on report and presented to team	Check the program and write suggestions	None
Razeen	New WBS explained		
Chima	None	Implement hash table to store sample data	
Edwin	None	Adjust makefile with new changes	
Lisa	None		

Group Details:

Sprint Number	20
Date	09/04/2024
Time	17:30 – 17:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	None	Give feedback to team about the program, functions, and tests	Time restrictions due to multiple projects
Razeen	None	Compile meeting notes and submit to scrum master	
Chima	Adjusted Header file	Fixed errors in show available bus function	
Edwin	Updated bus.csv	Fixed CXXFLAGS	
Lisa	Added catch2	None	

Group Details:

Sprint Number	21
Date	10/04/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Feedback given on project and suggestions were made to abide to UML design and project requirements	Calculate time complexities for the basic functions	None
Razeen		Cross-check report with requirements of project	None
Chima	None	Update main.cpp with more appropriate user inputs	None
Edwin	Fixed the sorting of the buses shown in terminal	Update bus.cpp with minor changes to variable names and data definitions	Time restrictions to complete tasks
Lisa	Added a test case for add bus function	Add test cases for new functions	None

Group Details:

Sprint Number	22
Date	11/04/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	None	Complete report	Time restrictions due to multiple deadlines and makefile giving errors
Razeen		Complete meeting notes	
Chima		Implement hash table	
Edwin		Implement the use of classes	
Lisa		Add more test cases	

Group Details:

Sprint Number	23
Date	12/04/2024
Time	17:25 – 17:40

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Updated team on tasks left and requirements to meet	Allocate team with deadlines for their tasks	None
Razeen		Compile meeting notes	Meeting notes missing from team members
Chima		Research on a algorithm with the best time complexity to use in the program	None
Edwin		Fix makefile	Developer and tester depend on the makefile
Lisa		Help Chima in research	None

Group Details:

Sprint Number	24
Date	13/04/2024
Time	13:20 – 13:35

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Team was debriefed on the upcoming deadlines set by scrum master	Continue with report	None
Razeen	None	Compile meeting notes and submit to scrum master today	
Chima	Explanation on which algorithm to use	Submit a report explaining the functions to secretary	
Edwin	Fixed makefile and adjusted header file	Document changes made on makefile and header file	
Lisa	Adjusted test.cpp with Edwin's help	Improve test cases	

Group Details:

Sprint Number	**25**
Date	14/03/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Notes were written on Linear Search algorithm and Merge Sort algorithm	Calculate time complexities for each algorithm	Issues with conventions of calculating time complexities
Razeen	Reported to scrum master with the notes sent by Chima on time complexities	Help scrum master with report	None
Chima	Proper implementation of Linear Search algorithm	Convert the use structure to classes	Compilation issues
Edwin	Moved data into hash table	Change the structure of the hash table	Could not find an algorithm to use for the add and delete functionalities
Lisa	Adjusted test cases to match program	Help Edwin	None

Group Details:

Sprint Number	26
Date	15/04/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Approved of the program to be committed onto bitbucket	Commit changes of the report on the repository with meaningful messages	None
Razeen	Successfully implemented team members in the bus tracking bitbucket repository	Commit meeting notes to repository	
Chima	Main.cpp and bus.cpp were running successfully with small sample data (without hash table)	Commit all the files	
Edwin		Test the repository	
Lisa			

Group Details:

Sprint Number	27
Date	16/04/2024
Time	13:35 – 13:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	None	Finish draft of report and send for review	Issues understanding if algorithms abide by the requirements
Razeen	None	Finish compilation of meeting notes and send scrum master for feedback	None
Chima	Implementation of hash table and Merge Sort algorithm	Send scrum master updated report on the program functionalities and issues	CSV issues
Edwin			Git push issues
Lisa	None	Send scrum master updated report on the test cases	Variable name changes causing bugs in testing

Group Details:

Sprint Number	28
Date	17/04/2024
Time	13:30 – 13:50

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Sent instructions to developers concerning the implementation of algorithms in add and delete functions	Review meeting notes and report	Time restrictions
Razeen	Reviewed program and committed files to bitbucket		None
Chima	Fixed bug where buses were not being displayed in the terminal	Major changes in algorithms used	Changes may not abide with the UML design
Edwin	Fixed search bus function		
Lisa	Fixed test cases	Update test cases with developers	

Group Details:

Sprint Number	29
Date	18/04/2024
Time	13:30 – 13:45

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Clarified final instructions and requirements for the program	Help with finishing code and finalise program then commit all changes to bitbucket	Time restrictions
Razeen	Tested and reviewed program with developers		
Chima	Fixed most functionalities		
Edwin			
Lisa	Program passes most tests		

Group Details:

Sprint Number	30
Date	19/04/2024
Time	17:35 – 17:55

Attendance:

Name	Attendance
Imaan Hayfaa Kureembokus (Scrum Master)	Present
Abdool Rahim Razeen Modaykhan (Secretary)	Present
Chimaraoke Mbata (Developer 1)	Present
Edwin Abdon Shayo (Developer 2)	Present
Lisa Grace Easton (Tester)	Present

Progress:

Team Member	Accomplishments	To-Do	Issues
Imaan	Finished report	Review and test every element pushed to repository	None
Razeen	Finished compiling meeting notes		
Chima	Finished final part of the development phase		
Edwin			
Lisa	All test cases pass		