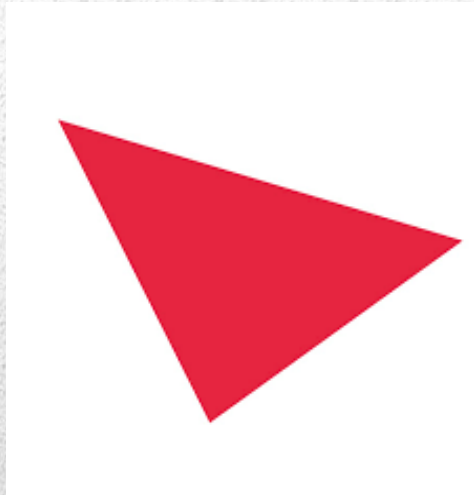


Edinburgh Napier University



BSc

Group Project

Project Group (4)

Online Employee Payroll Management System

Project Manager – Wai Yan Phone Myat (40524296)

Project Leader – Zaw Win Htet Naing (40527441)

Project Developer – Ye Thiha Oo (40524295)

Database Administrator – Swam Htet Hlaing (40501782)

March 2022



Contents

Final Report	3
Introduction	3
Deliverable Report	4
Conclusion	6
Appendix A: Client and Sponsor Approval Confirmation Form for Bus Transportation System	7
Appendix B: Stakeholder satisfaction report	9
Appendix C: Lessons Learned	10
Appendix D: Peer Review	12
Appendix E: Ground Rules	14
Appendix F: Gantt chart	16

Final Report

Introduction

This is the report about final stage of the project also known as group report. The project is about the “Online Employee Payroll Management System”. Since the project start we have to work as the team and each team member have their responsibilities to do. Project Manager has a job to manage the team to do their tasks weekly and have a touch with client and sponsor. Team Leader has a job of taking charge of development processes that the developer written and have a testing case of those development processes every week. Developer had to written the tasks that the manager assigned after having a kickoff meeting with client and sponsor. He also have to satisfy the client and sponsor demands. For the final team member, the job of database administrator is to manage the database tables and drawing the system diagrams that the project manager asked.

As a team we did our jobs together every day every week even after the normal study time. We used discord platform to communicate and get to know with each other. During those times we don't waste any time as we can and focus on the subject completion. Only after completing the subject we are working on we managed to talk a little bit and rest. After a second week, we became good friends and knows each other very well.

In this report there will be an explanation about how we were able to deliver the tasks that we promised on the project initiation report. We have been able to deliver almost every tasks but due to some difficulties and problems we had to remove or edit some tasks we talked about. There will be a comparison of our old deliverable map and the new deliverable map seeing how we changed the perspective of those deliverable map. After that deliverable report we will show the tasks that we did as a team not only by one. In those whole week we managed to work as a team and completed many tasks. After this introduction we will be talking about the tasks we did as a team.

Deliverable Report

At the beginning stage of this group project we wanted to deliver the process to the client and sponsor by clear way. So we drew the deliverable map to show the process that we are going to deliver. There is a left and right side of the deliverable map. The left side contain the technology category which contain the Analysis and system design, front end and back end. The right side contain the Administration and Management part.

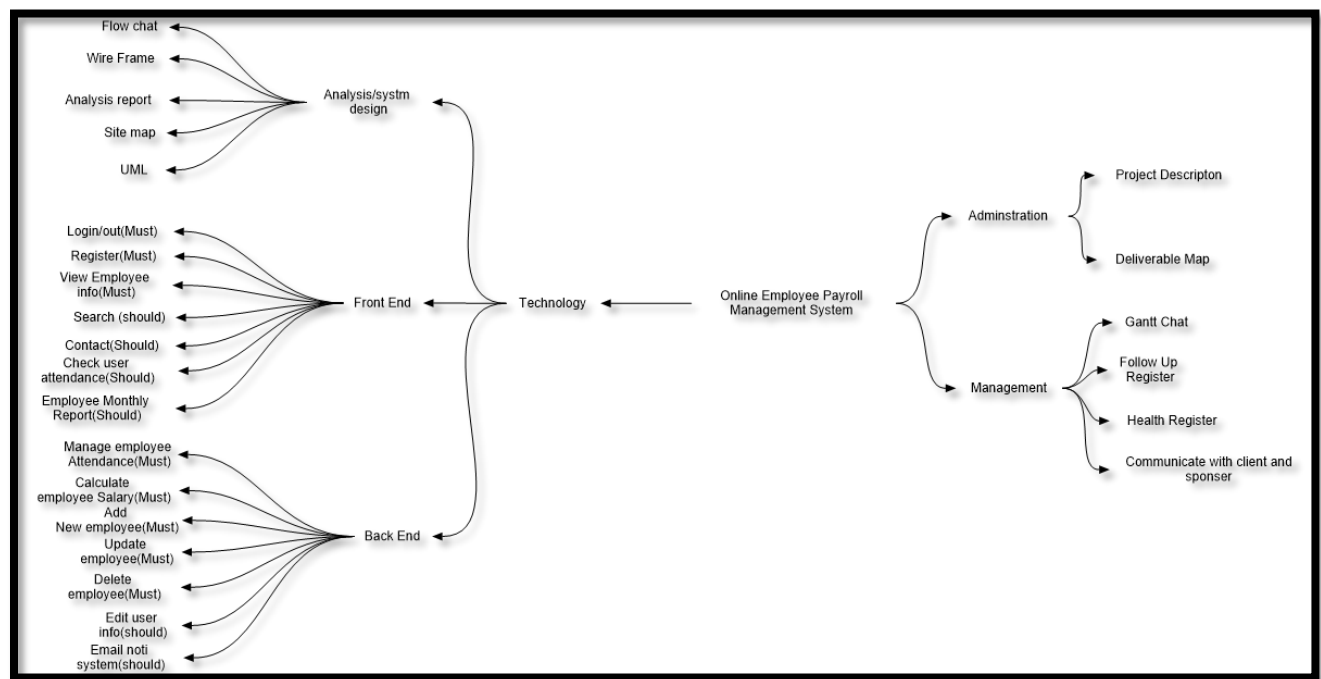


Figure 1.1 Original Deliverable Map

After finishing the system for this project, we think we delivered the facts we promised in the deliverable map and had to modify the old deliverable map due to the additional functions that has been request by the client and repairing the mistakes from the old deliverable map.

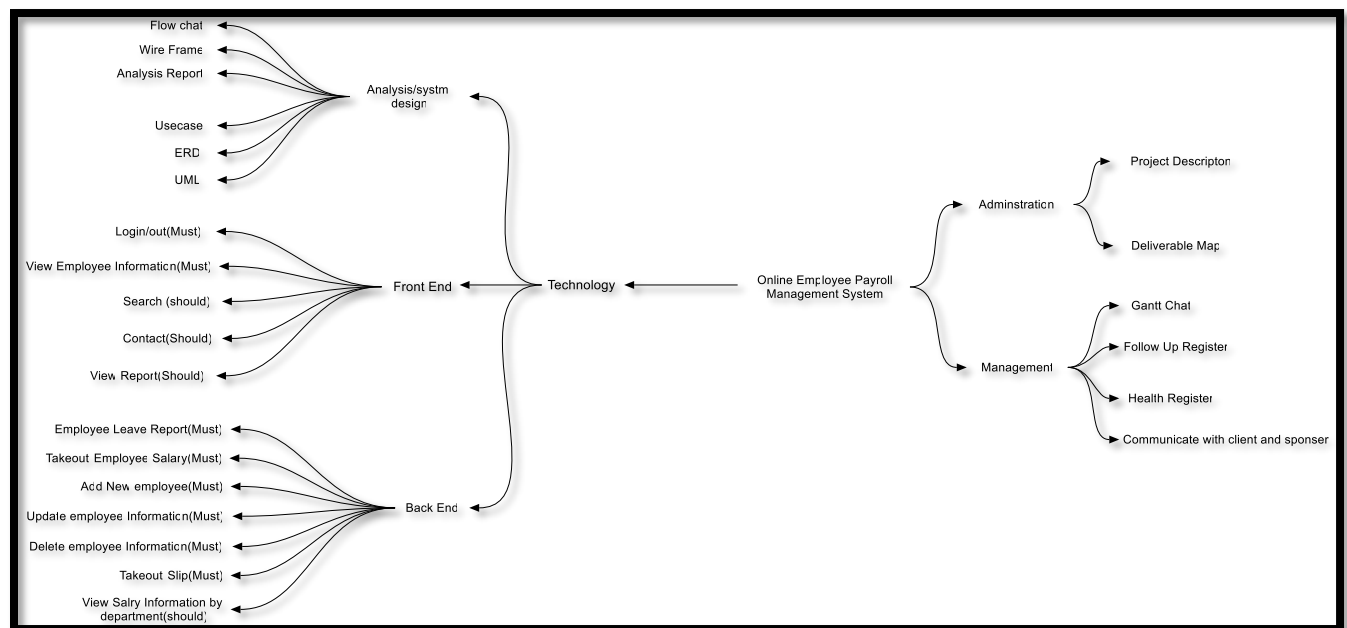


Figure 1.2 Final Deliverable Map

Comparison of Old and Final Deliverable Map

Type	Old Deliverable Map	Final Deliverable Map
Administration	We said we would deliver the project description and deliverable map on this side.	We have managed to delivered those things
Management	We said we would deliver the Gantt Chart, Follow Up Register, and Health Register.	We have managed to deliver the things that we said before
Analysis and System Design	In analysis and system design we said that we would deliver the Flow Chart, Wireframe, Analysis Report, site map and UML	For the final deliverable map we had to remove the sitemap because there is an issue with it and we added the use case diagram and the ERD Diagram.

Front-end	In old one we contain login/logout, register, view employee info, search, contact, check user attendance, Employee Monthly report	Due to the difficulties we removed the register from admin side, Check user attendance and employee monthly report.
Back-end	In old one the employee leave report, takeout employee salary, insert, update, delete employee information, take out slip and view salary information by department	In this side we have managed to add new things to the development and remove the things that we couldn't delivered. We have able to deliver the employee leave report, taking out salaries, insert, update, delete employee information, takeout slip and view salary information by department. We added the functions that the client demand.

Conclusion

Because of doing the project as a team, we have been improved by a lot since the start of the first week. During our project we faced some difficulties and issues but somehow we managed to overcome those difficulties as a team. Though the six week isn't the very long time we have enjoyed a lot and got so many lessons from it. After completing the project we might not be able to deliver some functions that we promised which is employee attendance management system and medical leave report. Due to some difficulties and issues we might not be able to do those process on time. But we still think our system is very good to use and complete those deliverables. We are sorry about the inconvenience and we tried our best in this development process.

Appendix A: Client and Sponsor Approval Confirmation Form for Bus Transportation System

This approval form contain the confirmation of the facts that the client need to accept due to the deliverable map.

This system has delivered the secure and good functioning system that the client would like to use. It is secure in its own way.

The system contain admin and employee and admin panel to use. Admin panel can manage the employee information and

Used Development tools

- ✓ Used Software - Microsoft Excel
- ✓ Used Programming Language - MySQL
- ✓ Used Database System – PHP

System Approval List

Client is satisfied by the Must've functions - ☒ ☐

Client is satisfied by the should've functions - ☒ ☐

Client is satisfied by the web design - ☒ ☐

Client is satisfied by the system designs and diagrams- ☒ ☐

Client is satisfied of the Risk Registers - ☒ ☐

Client is satisfied of the Health Registers - ☒ ☐

Client is satisfied of the Test Case Progress - ☒ ☐

Client is satisfied of the Contribution Spreadsheet - ☒ ☐

Client is satisfied of the Meeting Minutes- ☒ ☐

Changes Required If really need –

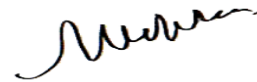
Comment -

Time Duration – 6 weeks (about 1 and a half months)

Date – 3/4/2022

Client Name – Daw Nu War Hsan

Client Signature -



.....

Project Manager Signature -Wai.....

Appendix B: Stakeholder satisfaction report

Satisfaction (Client)

	A	B	C
1	Item	Score	Feedback
2	Did the client had the development process that she desired?	79	
3	Did the client accept the current stage of the development?	78	
4	Did the client and team had the good relationship about this project?	85	
5	Client has the general issues about the development?	no	
6	How much rating for this development?	4 out of 5	
7	Did the client satisfy about the risk register?	80	
8	Did the client satisfy about the diagrams that the team shown?	79	
9	Did the client think that the team has the proper kick off meetings?	78	

Figure 1.3: Client Satisfaction

Satisfaction (Sponsor)

1	Item	Score	Feedback
2	Did the sponsor received the development process that she expected?	85%	
3	Did the sponsor accept the current stage of the development?	95%	
4	Does the sponsor think that she has given the proper support to the team?	85%	
5	Did the team and the sponsor had the great relationship ?	100%	
6	Does the sponsor think that this system is useful in real life?	95%	
7	Did the sponsor think that the team has the proper kick off meetings?	95%	
8	How much rating for this process	4 out of 5	

Figure 1.4 Sponsor Satisfaction

Project Closure by the client

1	Item	Score
2	Is the product approved and handed over?	80
3	In the case of remaining activities, are they clearly listed and approved?	79
4	Has customer satisfaction been evaluated and recorded?	80

Figure 1.5: Peer Review Closure

Appendix C: Lessons Learned

After we almost finish this group project subject, we learned that we had faced the too many lessons throughout time. Not only the individual person faced those problems but also all of the team member faced those problems too. As a team we unite together and faced those problems.

Electricity breakout chances

Electricity outbreak chances are unpredictable at first in our country. It can breakout the whole day or just a few hours. We prepared for the backup power source for the laptop to attend important meetings and to complete the tasks. We were doing what we can on during those times but since the government announced that the electricity outbreak chances will be on time tables our chances are bigger than ever. Our work can be arranged due to those timetables. So we have learned about managing the times and communicating with each other more than ever.

Coding Error

For the coding error, all of the team members brainstorm at meeting times at discord aside the lecture time. The average times are 7:00 to 2:00. We have learned how to solve the coding error, implementing the best CSS design and putting the best background photo for web design. And because of those brainstorming moments we learned to work together as a team and improving ourselves.

Future Enhancement

As a future enhancement the system would be way better if we deliver could've and won't have function like we told on the Moscow periodization. Some of the main functions are Face ID, Two Factor Authentication and Language Translation. If the Face ID system contain in somewhere future part of this development the system will be more secure and effective since the user have to scan their face into the website in order to use the system. If we use that system in future I think there will be a chance to more improvement in the development. The two factor authentication is the most secure system throughout all the other website. Every almost popular websites has it. This is a good choice to have in the future improvement of the system. Language

translation is the function that support all kind of language to the user so that everyone can be use it more easily. If we could include this in the future stage of the development the system would be better and effective.

Appendix D: Peer Review

In this peer review there is the score that has been determined by the other team peer reviewer. This is the results that has been given by other peer reviewer.

To response their given scores, our team have been satisfied about their determinations and score are acceptable. We thank them for giving the honest answers about our development and diagrams process.

For the feedback part, we got the feedback at one question and the peer reviewer gave the good feedback about it

Questions	Score	Feedback
Is the deliverable map acceptable or not?	100	
Do the risks that are included in the follow-up register cover for the whole project?	100	
How do you think of our teamwork skill according to the quality of the work?	95	Pretty good in my opinion
Does the expected outcome(goal) match the final result?	100	
Do you like to use this system if you were a client?	100	
Is the developed system useful in the real life?	90	
Do you like the UI of the developed system?	90	I like how your team use css perfectly
Do the system performace work well?	100	
Does the system have required functions compare with the other system?	90	
Score		
Do you want to point out any suggestions for our team?		
Your teamwork seems fine and your team did a great job		

Figure 1.6: Peer review score

Peer Review Monthly

Item	w1	w2	w3	w4	w5	w6
Was the plan for the upcoming month properly refined?	95%	95%	95%	95%	100%	100%
Is the high-level plan properly revised?	90%	85%	95%	95%	95%	95%
Is customer satisfaction evaluated properly?	100%	95%	100%	100%	100%	100%
Is team satisfaction evaluated properly?	90%	80%	85%	90%	100%	100%
Have we planned effective improvements?	90%	100%	100%	100%	95%	100%
Have we captured lessons learned?	85%	90%	95%	90%	95%	100%
Have we conducted effective focused communications?	80%	85%	90%	90%	90%	95%
Is the performance measurement reliable and useful?	90%	95%	90%	85%	90%	95%
Are the progress reports well formed and useful to their audience?	100%	100%	100%	100%	95%	100%
Have we collected feedback from the reports?	100%	100%	100%	100%	100%	100%
In the case of deviations, is there a proper recovery plan?	90%	95%	95%	90%	95%	95%
In the case of important deviations, was the sponsor involved in planning the response?	0%	0%	0%	0%	0%	0%
Did we have a proper kick-off events?	95%	100%	100%	100%	100%	100%
Did we manage risks, issues, and change requests properly and on a daily basis?	95%	100%	100%	100%	100%	100%
In the case of completed deliverables, have we checked and accepted them properly?	95%	100%	100%	100%	100%	100%

Figure 1.7: Peer Review Monthly

1	Item	Score(Project Manager)	Score(Team Leader)	Score(Developer)	Score(Database Admin)
2	Did the team member complete their each other given tasks ?	100%	100%	100%	100%
3	Did the team accept the accomplishment of the project ?	100%	100%	100%	100%
4	Did the team had the hard times during development and solves those problems ?	80%	70%	90%	60%
5	Did the team manage their time on each tasks perfectly?	95%	90%	100%	90%
6	Did the team complete their works on each deadlines?	95%	95%	100%	90%
7	Did the team have a good communication with each other?	100%	100%	100%	100%
8	Did team face too many risks during the developement ?	70%	60%	90%	60%
9	Did the client enjoy about the efforts of the team?	90%	90%	95%	85%
10	Did the team have great meeting times?	100%	100%	100%	100%

Figure 1.8: Team Satisfaction

Appendix E: Ground Rules

Ground Rules for Group 4

Ground rules are necessary for the relationship between the members, project leader and manager. In those ground rules, there are the list of things that need to do and avoid.

Things that should be do for the project are -

- Time management: Being on time is kind of showing the respect between the co-workers.
- Be a good listener: If the one person is talking the others should be pay attention and focus on the topic.
- Truth and Honestly: Be honest with each other.
- Openness: The members can freely share and use the data that the one contributed.
- Prepares: Always be prepare and focus for the upcoming tasks no matter what.
- Task: Must complete the task due to the time.

Things that should be avoid during the project are -

- Dishonesty: Lying to each other is bad for the team.
- Interrupting the process: Interrupting the conversation or work of the project would be a bad behavior.
- Not doing the task: Being lazy is and not doing anything should be avoided.
- Not being on time: Being late to the meeting and other things would be bad.

Ground Rules Marks

Each member would be given marks due to their performances and other things.

- If the member completes the tasks that he/she assigned during the deadline, he/she would

get 15 marks.

- The active member who attends the group project meetings will get 4 marks.
- The member who has the spirit of working as a team will get 2 marks.
- The member who follows the rules will get 2 marks.
- The member who is coming to study time usually would get 1 mark.
- The member with who easy to communicate will get 1 mark.

Appendix F: Gantt chart

In this Gantt chart there is the time planning and managing of the whole project ahead. I have been drew since the project is start and we escalated the time of it. There are total six week in this project and this Gantt chart has duration of it. Each week we have so many things to do and those plans are written in the Gantt chart

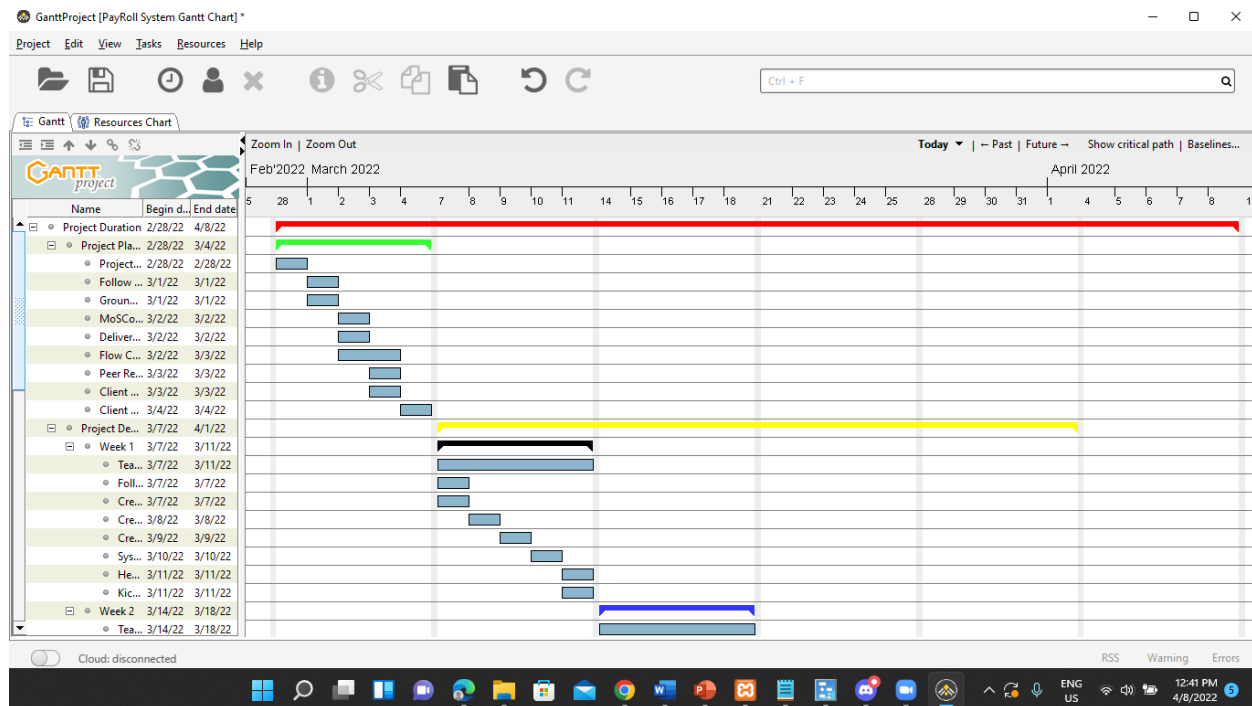


Figure 1.9: Gantt chart part one

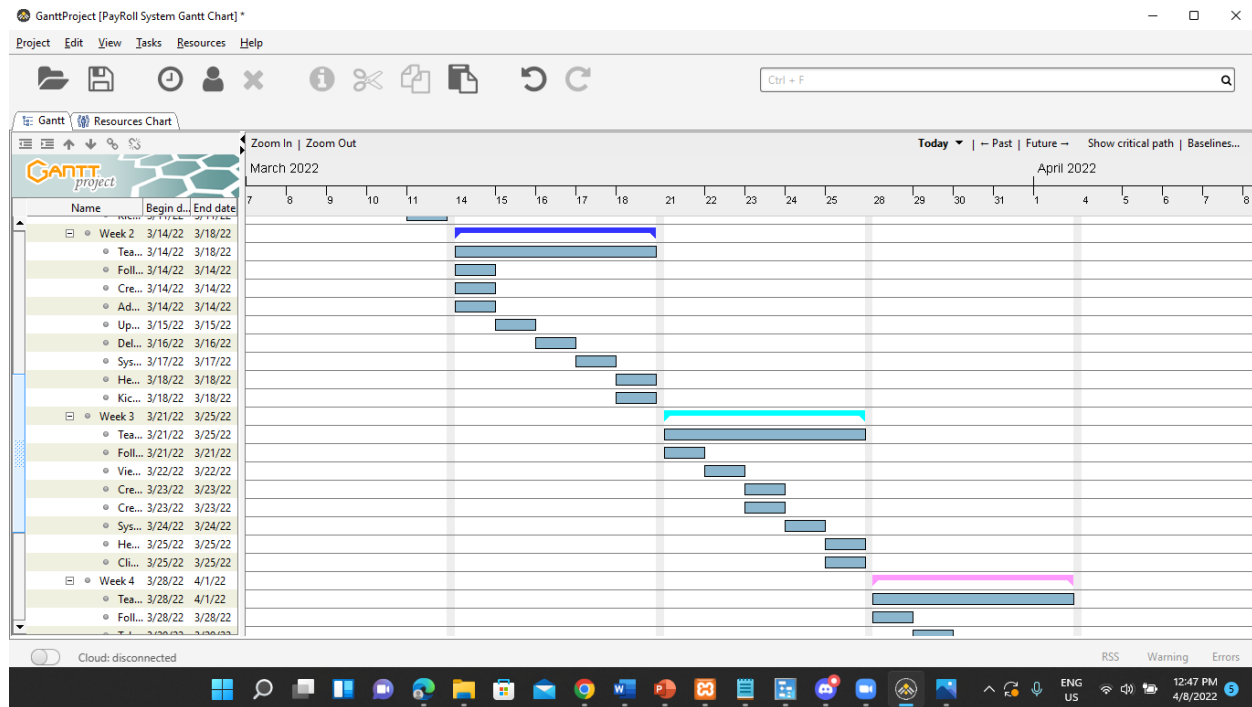


Figure 1.10: Gantt chart part two

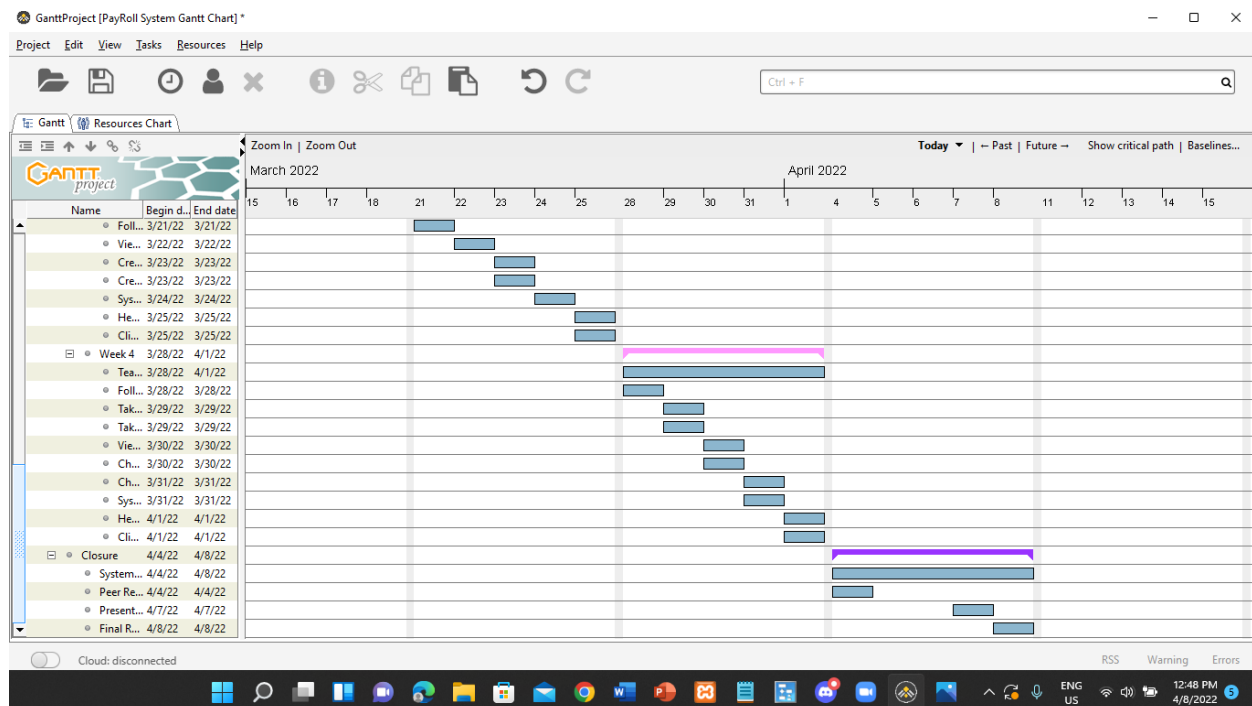


Figure 1.11: Gantt chart part three

Appendix G: One drive link for development

Url - [final.zip](#)

Pasted Link – [https://livenapierac-](https://livenapierac-my.sharepoint.com/personal/40524296_live_napier_ac_uk/_layouts/15/onedrive.aspx?id=%2Fpersonal%2F40524296%5Flive%5Fnapier%5Fac%5Fuk%2FDocuments%2FTechnology%2Ffinal%2Ezip&parent=%2Fpersonal%2F40524296%5Flive%5Fnapier%5Fac%5Fuk%2FDocuments%2FTechnology)

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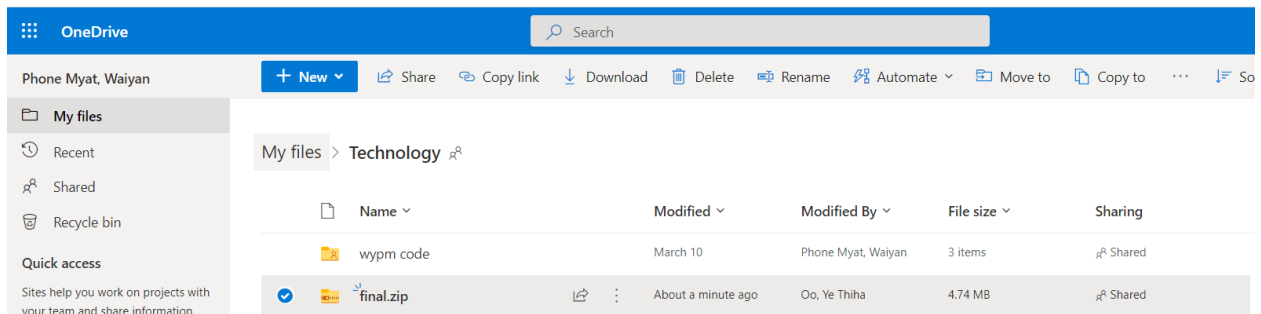


Figure 1.12: One drive link