

# 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)*

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## Project Description

### Purpose and Expected Benefits

In this project we are going to choose the Online Employee Payroll Management System. The purpose of it is to create the better and easier system to take out the salaries of the employees. Instead of getting the salaries manually the employee can get it easily by using the system that we built. There are benefits of using the payroll managements. Because of using database system there will be a record of payrolls so it will be more secure than manual processes. The lifestyle of the employee will change because of it.

### Expected Cost and Duration

To make this project, the project team have some cost that includes best case cost and fallback cost. Best case cost includes software licenses, database service cost, hardware cost, internet cost and electrical generation cost. General calculation cost of using best case are as follows.

#### Best Case Cost for the project

No	Type	Price
1	Technical Cost	\$150
2	License Software	\$20
3	License Database	\$30
4	Data Storage (USB drive)	\$20
5	Internet	\$25
6	Electricity Backup	\$50
Total Price		\$295

Beside the best-case cost, it has another way to create the project that is fallback cost. In fallback, the technical team will create a project by using free version software or open resources. So that the client does not need to pay for the technical cost. But the client has to pay for the developer fees and other hardware cost.

**Fallback cost for the project**

No	Type	Price
1	Technical Cost	\$150
2	Free Software	free
3	Free Database	free
4	Free Cloud Storage	free
5	Electricity backup	\$50
<b>Total Cost</b>		<b>\$200</b>

**Requirements and Quality Expectations**

In project requirements, that is firstly specify with high level requirements. In this requirement, that is divided with functional requirements and non-functional requirements. The project is about “Online Employee Payroll Management System” the technical team must be manage about the salary of each employee. As the deliverables maps system, functional requirements are –

- login and logout system
- register
- show the employee attendance by monthly
- calculate employee salary
- add new employee
- update the employee information and
- delete the employee who left from the organization
- Search Employee Information
- Employee Monthly Report

In non-functional requirements, there are -

- Including the portability
- Good performance

- Good Security
- Encryption method for the security

### Moscow periodization

Must have	Should have	Could-have	Won't-have
Login/Logout System	Searching Employee information system	Email Notification System	Two-factor authentication
Register	Employee Monthly Report (for absent employee)	Contact	Face ID
View Employee information	User can check their attendance		Language Translation
Manage Employee Attendance	User can edit their information		
Calculate Employee Salaries			
Add New Employee Information			
Update Employee Information			
Delete Employee Information			

**Stakeholder List**

Client – Client is the person who is known as the customer of the project

Sponsor – A person who will provide the resource for the group

Project Manager – To manage and help the works of the other members

Team Leader – A person who is a leader for the technical part.

Developer – A person who will develop the project with the knowledge of programming language.

Database Administrator – A person who will manage the information of the employee data.

Client Name – Daw Nu War Hsan

Client Signature - .....

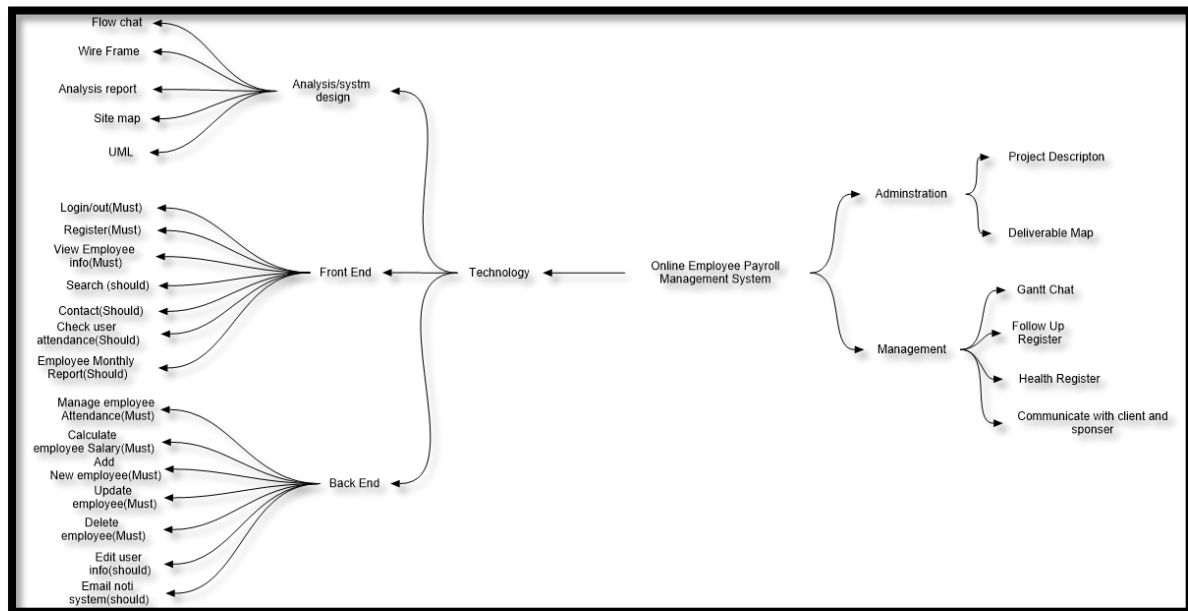


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## Appendix A

### Deliverable Map

Deliverable Map contain the technology, administration and management part of the online employee payroll management system.



**Figure 1.1: Deliverable Map**

One drive link for deliverable map - [Deliverable Map.ccd](#)

## Appendix B

### Follow-Up Register

Follow-Up Register contain the risk that might happen in the project.

	A	B	C	D	E	F	G	H
	Cause	Effect	Impact	Response	Custodian	Identification	Dates Occurrence	Closure
3	Electricity outbreak chances	Might delay the process	Medium	Should prepare the backup electricity power supply and powerbanks for router	Project Manager	1/3/2022	3/1/2022	
4	Data Storage Lost	Delay/Interrupt the project	High	Must Prepare the back up or store the data in the cloud service	Database Admin	1/3/2022		
5	Health condition	Delay the project	Medium	The other member should take the responsibility of the sick one if the health condition is serious	Project Manager	1/3/2022		
6	Server Error	Might damage the database and code	High	Changing the internet service and be careful of the server downtime	Database Admin	1/3/2022		
7	Hardware error	Might disrupt the process	Medium	Member with good hardware should take place of his work until the problem is fixed	Team Leader	1/3/2022		
8	Low budget	Might not be able to support the team	Medium	Someone in charge should take responsibility	Project Manager	1/3/2022		
9	Data Security Breach	Development Stage can be interrupt	High	Should prepare the advanced security system	Developer	1/3/2022		
10								
11								

**Figure 1.2: Follow-Up Register**

One drive link Follow-Up Register - [follow-up-register.ods](https://www.onedrive.com/share/.../follow-up-register.ods)



## Appendix C

### Project Initiation peer review

Reviewer: Lin Thura      Team: Group 9 (Online Car Parking System)

Reviewee: Wai Yan Phone Myat      Team: Group 4 (Online Employee Payroll Management System)

Date of review: 3/4/2022

### Project description

The project description is well explained but I think you need to put more detailed information about how the system will affect in positive way expected benefits.

### Response and actions taken

We added more of information in expected benefits.

### Deliverable map

Your delivery map seems perfect.

### Response and actions taken

Since we got the good feedback, we have no action to take.

### Follow-up register

The risks you identified are realistic.

### Response and actions taken

Since we got the good feedback, we have no action to take

### Quality of document (clarity, presentation, etc.)

The quality is good and has to put a little information in project description.

### Response and actions taken

We took the response by adding more information about the project description.

## Health Register

1	Item	Score
2	Was a sponsor appointed to the project from the beginning?	100
3	Is the sponsor involved in high-level aspects of the project?	60
4	Does the sponsor avoid getting involved in the detail?	50
5	Was the project manager appointed to the project from the beginning?	100
6	Is the project manager familiar enough with P3.express?	50
7	Is there an effective setup for the project documents?	80
8	Are there enough key team members appointed to the project?	80
9	Were key team members actively involved in planning the project?	100
10	Is the Project Description well formed and useful?	80
11	Is the Deliverables Map well formed and useful?	80
12	Is the Follow-Up Register well formed and useful?	80
13		
14		

**Figure 1.3: Health Register**

One drive link for Health Register - [health-register.ods](#)

## Appendix D

### Client approval Form for Online Employee Payroll Management System

Online Employee Payroll Management System is to calculate the employee's salary, to easily find the employee's data information and to save the time. In this system, include

- ✓ all employee's information (personal info detail, salary detail and leave)
- ✓ upload monthly attendance excel file of each employee
- ✓ calculate salary and manage leave of each employee based on salary details and attendance details
- ✓ generate salary slip for all employees and update details of existing employees
- ✓ Add new employees and delete employees who leave the company.

### Development tools

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

### Cost

Cost has best case cost and fallback cost. For the best-case cost there will be using of license version of the applications, database and cloud storage. For the fallback cost there will be using of free version of them

Best Case Cost for the project – ☐ ☐

Fallback Cost for the project - ☒ ☐

### Changes to the project and approval by customers

Main Functions are checked - ☒ ☐

Client is fond of the explanation - ☒ ☐

Willing to have the meeting next week - ☒ ☐

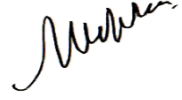
Permission to move to the next stage (development) - ☒ ☐

Comment by client – .....

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.....