**PROPOSAL**

**Zookeeper System Enhancements**

**Version 1.1.2**

**Prepared by**

**Group 8**

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# Stakeholders

## Team members

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## Client

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# Document revision

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Changes description** | **Author** |
| 1.0.0 | 8/8/2020 | Prepare document structure | Viet |
| 1.0.1 | 8/8/2020 | Added stakeholder table  Added term of references | Viet |
| 1.0.2 | 8/8/2020 | Added document revision | Viet |
| 1.0.3 | 8/8/2020 | Added Zookeeper description | Viet |
| 1.1.0 | 9/8/2020 | Update document structure | Viet |
| 1.1.1 | 9/8/2020 | Added scope and objective, project approach, skill and knowledge involved, cost, abbreviation and references | Viet |
| 1.1.2 | 9/8/2020 | Update team member information | Viet |
|  |  |  |  |
|  |  |  |  |

# Term of References

## Zoodata

**Zoodata** is an IT solution provide with twenty-one years of experience, founded in Perth, Western Australia and cooperates within different sectors and departments including health, government and corporates. With extensive experiences and rich expertise, Zoodata poses to be a major IT pioneer and trusted partner in Perth.

## Zookeeper

**Zookeeper** is web application and it was designed to replace the timesheet system which as still utilized by the client. The previous timesheet system called **Task Tracker**. Currently, the new timesheet system, Zookeeper is still in development stages and require to add more feature into its system.

1. Rationale

[ More detail about the current Zookeeper system ]

[ Add a diagram of Zookeeper system ]

|  |  |  |  |
| --- | --- | --- | --- |
| **Identify Objective** | **Current situation** | **Desire outcome** | **The gap** |
|  |  |  |  |
| **Action & Requirement** | | | |
|  | | | |

1. Aim of the project

The aim of the project is to create a website system that allow users to manage the tasks by creating, updating and deleting tasks and to replace the existing timesheet system called Time Tracker which as still utilized by the client.

1. Objectives of the project

The objectives of the project will be to:

- Develop and optimise a website application using C#, Blazor, Entity Framework, MySQL; and to

- Manage timesheet through; and to

1. Background of the study

Before companies begin using timesheets, time periods are defined in the system. Most of companies or organizations have a self-service module for employees to enter their time after supervisors set up parameters. This module usually includes shift hours, overtime categories or the time they start and end work on a task or project. However, workers can be able to cheat the system by exaggerating fake information, which causes the waste in time and budget of the companies.

As a result, timesheets are a way to avoid illegal or lost information. Even when contractors work seasonally or at multiple locations, one centralized time tracking module can help to secure accurate payroll data.

Tracking time accurately, whether for regular employees, mobile workers or contractors, helps to reduce payroll costs. Employers have a more efficient system for each category of workers. It is due to the fact that managers are able to determine and utilize the skill of workers. Besides, employers are easy to track the progress and promising delay of the project. Therefore, managers have a visual representation of what it takes to have a productive labour force. Furthermore, timesheet also enhances workers’ productivity by monitoring and reducing time wastage by themselves.

It is true that with the rise of technology, most of companies and organizations use modern software instead of hard-copy for task management. This enhances the work efficiency by narrow down the time for recording, seeking and allocating data.

This project will focus on building a website to enable users to create, update, delete and keep track of the information of tasks including label name, time, location or assigned workers. Besides, clean code and high-performance level are some of the aspects that also needed to be illustrated in this project.

1. Review of literature (Harry’s)

- Module 2 & 3 will explain more about this. Please have a look.

1. Project schedule (Viet’s)

- Implement GANNT CHART here

1. Proposed methodology
2. Expected outcomes (Harry’s)

- What we expect to achieve

1. Skill and knowledge involved

|  |  |  |
| --- | --- | --- |
| **Developers** | **Personal skills** | * Analytical skills * Teamwork skills * Self-learning * Workspace adaption * Communication skills * Strong written * Critical thinking * Research skills |
| **Project Management skills** | * Learning methodologies * Understand SDLC * Leadership * Team management * Negotiation skills * Well-organization skills * Risk management * Planning skills * Quality management * Problem solving |
| **Professional skills** | * Web development. * Design pattern. * C# and ASPNET Core. * SQL * HTML, CSS and Javascript * Graphic design UI/UX * Unit test. * Testing process. * Fix bug technique. |

1. Cost
2. Abbreviation

|  |  |  |
| --- | --- | --- |
| No. | Abbreviation & Names | Meaning |
| 1 | SDLC | Software development life cycle |
| 2 | C# | Computer programming language, developed by Microsoft Corporation |
| 3 | ASP.Net Core | Web framework, developed by Microsoft Corporation |
| 4 | SQL | Structured Queuing Language |
| 5 | HTML | Hypertext Markup Language |
| 6 | CSS | Cascading Style Sheets |
| 7 | Javascript | A programming language that conforms to the ECMAScript specification |
| 8 | UI | User interface |
| 9 | UX | User experience |
| 10 |  |  |

1. References

<https://www.zoho.com/au/invoice/what-is-a-timesheet/#:~:text=Timesheets%20let%20you%20know%20exactly,and%20cost%20your%20company%20money.>

<https://mitrefinch.com/blog/what-is-a-timesheet-and-how-does-it-work/>