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**Online Cemetery Mapping and Information System**

**In Partial Fulfillment**

**Of the Requirements for the subject**

**IT 106 – IT Project Management**

**Submitted by:**

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**Submitted to:**

**Ms. JEZA GETTE SUMANPAN**

1. **Introduction**

Nowadays, Cemetery had a historical record documenting the information of the beloved past away persons. This system is suitable for those municipalities that have a public and private cemetery. If all souls day is coming up every people will clean up the grave of their passed away relatives and also for those persons that not used in the cemetery place, the problem is that it’s hard for them to find the grave. Sometimes during the all soul's day, the relatives didn’t know if the grave of their past away relative does still exist. As a solution, the system will have its own cemetery map on which it will find the grave of the past away persons in a certain cemetery, at the same time the system will provide some necessary information of the deceased person in certain grave if the relative wants to search the name of the deceased person and monitor if the grave does still exist. This system will be in an online web-based system which means the user could access the system anywhere and anytime via the internet.

1. **Motivation**

The common problem in a certain cemetery is that it’s hard for the relatives to find the grave and to know if the grave of their past away relatives does still exist. It deserves an attention in a way that it feels so inconvenient for those relatives to find the grave especially to those relatives that is unfamiliar to the certain cemetery. The problem can be encountered in a certain cemetery that has a large number of records of past away persons. The system will store their data to be secured in a database. To store, in a way that the administrator will store their necessary raw data and retrieve it as reliable information for the particular user which is the relative of the past away person. Our system will provide secure data and provide reliable information of the deceased person for their relatives. The system wants to achieve a goal which is to provide a convenient way for the relative to track and monitor the grave of their beloved deceased relatives and give an importance of the personal information of the deceased person as this system will secure their information.

1. **Project Details**

The system will be in an online web-based system that uses internet web technologies to deliver information or services to a particular user. The environment of the system is accessible with the use of the web browsers, containing an integrated set of tools and functionalities. For the frontend process of the system, we will use a programming language such as HTML with CSS and JavaScript, these programming languages will be the client-side which provide a web interaction for the end users. For the backend process of the system, we will use programming language such as MySQL and PHP, these programming languages will be responsible for storing data and retrieving a reliable information.

**Hardware Requirements:**

OS: Windows 7 (up to the latest version)

CPU: CORE i3 4th gen. (and up)

RAM: 8Gb

HDD: 500 Gb (and up)

Mobile OS: Android OS & IOS (for mobile access)

**Software Requirements:**

Visual Studio Code (as programming tool of HTML, JavaScript and PHP)

XAMPP (as database server for MySQL)

Web Browsers (such as Google Chrome, Firefox, etc.)

There are some possible issues and challenges we could encounter with the implementation of this system such as, the tool to track or the tool to use to map the grave of the deceased person. Our system wants to track the grave with the use of Google Map if we could access this tool or else, we should ask a map of a certain cemetery in the municipality cemetery office. Also, an issue in accessing the system because this system is an online web-based system the user must have access to the internet

1. **Conclusion**

In conclusion, If the system would be implemented into certain municipality that has a public or private cemetery it would be usable system to those who have a beloved deceased person. The common problem in cemetery is to find and monitor the existence of the grave of your beloved person. The system will track the grave of the past away persons in a certain cemetery, at the same time the system will provide some necessary information of the deceased person in certain grave if the relative wants to search the name of the deceased person and monitor if the grave does still exist. This system will be in an online web-based system which means the user could access the system anywhere and anytime via the internet. Through this system, it would be convenient for the relatives to track or find and monitor the existence of the grave of their beloved deceased person.

1. **Reference**

https://bit.ly/2LU01Eu

Project Name: **Online Cemetery Mapping and Information System**

Project Team Members Names and Sign-off:

|  |  |  |
| --- | --- | --- |
| Name | Role/Position | Sign-off on Team Contract |
| Geyson B. Paclar | Project Manager |  |
| Jimboy P. Gallito | Team Member |  |

Code of Conduct: As a project team, we will:

* Focus on what is best for the entire project team.
* Work cooperatively and proactively.
* Respect other team members ideas.

Participation : We will:

* Be honest and respectful with all ideas brought up during project activities.
* Encourage teamwork and participation.
* Provide opportunity for equal participation.
* Have one discussion one at a time.

Communication: We will:

* Decide as a team on the best way to communicate for the project development.
* Present ideas clearly and concisely in every project development meeting.
* Keep other team members informed in regards to the project through means of meetings, phone messages, and google drive.
* Respond to each other in a timely manner and honor meeting timeframes.

Problem Solving: We will:

* Encourage everyone to participate in solving problems.
* Strive to build on each other’s ideas.
* Only use constructive criticism and focus on problem solving, and not to blame other team member.

Meeting Guidelines: We will:

* Plan to meet face-to-face every Friday 2:00 pm at P-6 Maanas, Medina Mis. Or. up to the month of the project completion.
* Meet more frequently every 2nd and 3rd week of the month.
* Hold other meetings as needed.

Consequence: We will:

* Provide a consequence or fine, If a team member cannot attend every meeting which is ₱ 30.00 and the fine will be used for the internet connection.

**Project Charter**

**Project Title:** Online Cemetery Mapping and Information System

**Project Start Date:** November 13. 2019

**Budget Information:** This project allocated P2,000.00 for the project completion. The 90% of the allocated costs will be used for internet connection. The 10% will be used for transportation needs of the group members and for the group meetings such as food.

**Projected Finish Date:** March 9. 2020

**Project Manager:** Geyson B. Paclar +639161722456 geysonpaclar34@gmail.com

**Project Objectives:**  To develop a mapping and information system that will provide convenience for the end user to find or locate the location of the grave and provide information of deceased persons to determine a grave if it is does still exist in the graveyard.

**Approach:**

* Develop a survey to determine what are possible needed system contents and features for the propose project .
* Develop an interview in a particular cemetery on how they replace the grave of a deceased person.

**Roles and Responsibilities**

|  |  |  |  |
| --- | --- | --- | --- |
| **Role** | **Name** | **Organization/ Position** | **Contact Information** |
| Project Manager | Geyson B. Paclar | Project Manager | geysonpaclar34@gmail.com |
| Team Member | Jimboy P. Gallito | Team Member | galzjim123@gmail.com |

**Sign-off:** (Signature of all the above stakeholders)

**Comments: “**I will do my best and support as I can for the completion and for the successful for this project.”

**SCOPE STATEMENT**

**Project Title:** OnlineCemetery Mapping and Information System

**Date:**

**Prepared By:** Geyson B. Paclar, Project Manager, geysonpaclar34@gmail.com

**Project Summary and Justification:** The Sta. Rita de Cascia Parish which is the cemetery public office of Gingoog City, uses a manual way to record the deceased person information and having inconvenient to manage the deceased persons data. And also concerning with those relative persons, having a hard time to find or locate their relative deceased persons grave. The team decided to make an online cemetery mapping and information system, which is to provide a convenient and efficient way for the administrator to record and manage the deceased person’s information. If the relative wants to search the name of the deceased person, the system will help them to find or locate their relative persons grave in a certain cemetery map. At the same time the system will provide some necessary information of the deceased person in certain grave and determine if the grave does still exist. This system will be in an online web-based system which means the user could access the system anywhere and anytime via the internet.

Modules:

1. Log In
2. Manage the information records of the deceased persons and process amortization records.
3. Manage the map of the cemetery and deceased persons grave.
4. Print the information of the deceased person.

User:

1. Search for the deceased person’s name.
2. Locate the deceased person’s grave in the cemetery map.
3. Show the grave information of the deceased persons.

Admin Modules:

* Login – The admin will log in to the system as the administrator, and manage the data for the deceased persons information and the manage cemetery mapping of the system.
* Manage the records of deceased persons – The admin can add, remove and update the information of the deceased person and process amortization to notify deceased person’s relatives.
* Manage the cemetery map – The admin can manage and organize the cemetery map on which the admin can add, remove, and update the deceased persons grave.
* Print Record – The admin has the access to print out the information deceased person.

User Modules:

* Search for a deceased person’s name – The user which is particularly the relative of the deceased person, the user can search the name of the deceased person which have a grave in the cemetery.
* Locate the deceased person’s grave – The user can find the deceased person grave in the cemetery map which is he/she search for.
* Show deceased person’s grave information – The user can show the basic information of the deceased person grave which is in the cemetery map.

Tools and Technologies

1. HTML (Hyper Text Mark-up Language) - It used for standard languages for web pages.
2. CSS (Cascading Stylesheet) - It used for styling web pages as for a better web pages interaction.
3. PHP (Hypertext Processor) – It used for scripting language that is especially suited for web development.
4. JavaScript – it is used to make websites with static HTML and CSS interactive.
5. Visual Studio Code – It used as a programing tool for HTML, CSS, and PHP.
6. MySQL database server – for storing data or event information and history.

**Work Breakdown Statement**

1. Initiating
   1. Prepare Project Charter
2. Planning
   1. Hold Team Planning meeting
   2. Prepare Team Contract
   3. Prepare Scope Statement
   4. Prepare WBS
   5. Prepare schedule and cost baseline
      1. Create draft Grant Chart
      2. Review and finalize Gantt Chart
3. Executing
   1. Survey
   2. Contents
      1. Cemetery Mapping
      2. Search Features
      3. Deceased Person’s Grave Information
      4. Finding Deceased Person’s Grave
   3. Online Cemetery Mapping and Information System Design
   4. Online Cemetery Mapping and Information System Construction
   5. Online Cemetery Mapping and Information System Testing
   6. Online Cemetery Mapping and Information System Promotion
   7. Online Cemetery Mapping and Information System Roll-out
   8. Project benefits measurements
4. Monitoring and Controlling System
   1. Online Cemetery Mapping and Information System Reports
5. Closing
   1. Prepare final project report
   2. Prepare final project presentation
   3. Lessons learned

**Project Name:** Online Cemetery Mapping and Information System

**Project Manager:** Geyson B. Paclar geysonpaclar34@gmail.com

Progress Report for the month of January

1. Work completed this month?

* Update files for more additional functioned
* Working on the Gantt Chart
* Finish on the WBS
* Working on Context Diagram and Data Flow Diagram
* Working on Web Wireframes

1. Work to complete next month?

* Prepare WBS
* Complete Context Diagram and Data Flow Diagram
* Complete Web Wireframes

1. What going well and why?

* 60% project progress as of now

1. Suggestions/Issues

* Gather more data for the project.

1. Project Changes

* Need to have more research on internet to look for better Ideas.

Progress Report for the month of February

1. Work completed this month?

* Update files for more additional functioned
* Finish Gantt Chart
* Finish on the WBS
* Finish Context Diagram and Data Flow Diagram
* Finish Web Wireframes

1. Work to complete next month?

* Prepare WBS
* Prepare Context Diagram and Data Flow Diagram
* Prepare Web Wireframes
* Complete Monthly Progress Report of Project
* Complete Lesson Learned for every team Member

1. What going well and why?

* 80% project progress as of now

1. Suggestions/Issues

* Work hard to edit some of the unnecessary data.

1. Project Changes

* Nothing project changes occurred for this month

Progress Report for the month of March

1. Work completed this month?

* Finalize all project functionality
* Finalize all needed documentation files
* Finish Lesson Learned documentation

1. Work to complete next month?
2. What going well and why?

* 95% project progress as of now

1. Suggestions/Issues
2. Project Changes

* Nothing project changes occurred for this month

**LESSON LEARNED**

**Project Name:** Online Cemetery Mapping and Information System

**Project Manager:** Geyson Paclar

**Project Dates:** November 12, 2019 – March 11, 2020

As a project manager, our knowledge has been broad by learning this project. We gain more experienced and how to cooperate as a team. We learned how to handle not only oneself but to my co-team as well. We learned how to be a responsible person on what our designated task within the team. Be on time and learn to do the things what had been given to ourselves. Although, it’s very difficult for us on how to handle this kind of project but if we work as a team, everything will be impossible. We have considered to share one’s idea. Working as a team is very important to make our work better and understandable.

Therefore, studying and making this project plays an important role nowadays in our lives. We consider it for us, as growth of our character to handle a certain project.