1. Estimates

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| --- | --- | --- | --- | --- |
| **WBS** | **TASK** | **DAYS** | **PARTICIPANTS** | **EXTIMATED COSTS** |
| 1 | **INITIATION** | 11 | * Project Manager * Web Designer and Developer with PHP skills * Documentation Specialist * Quality Assurance Analyst | ₱37,166.64 |
| 2 | **PLANNING** | 10 | * Project Manager * Web Designer and Developer with PHP skills * Documentation Specialist * Quality Assurance Analyst | ₱51,104.13 |
| 3 | **EXECUTION** | 53 | * Project Manager * Web Designer and Developer with PHP skills * Documentation Specialist * Quality Assurance Analyst | ₱171,895.71 |
| 4 | **CLOSING** | 12 | * Project Manager * Web Designer and Developer with PHP skills * Documentation Specialist * Quality Assurance Analyst | ₱27,874.98 |
| **ESTIMATED TOTAL** | | | | **₱593,404.00** |

1. Staffng

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| --- | --- | --- | --- | --- |
| **ROLE** | **REQUIRED SKILLS** | **NO. OF STAFF** | **START DATE** | **DURATION** |
| **Project Manager** | * Good Decision Maker * Strong communication (verbal and written) skills * Strong leadership skills * Critical Thinker * Control Risk and Minimize Uncertainty   Technical Lead | 1 |  | 86 |
| **Technical Lead** | * Good communication skills * Logical and analytical approaches in problem solving * Strong problem solving skills * Has knowledge in Code Igniter (Web) Framework * Good communication skills * Committed to understand new technology associated with the software | 1 |  | 44 |
| **Documentation Specialist** | * Strong vocabulary prowess * Detail oriented * Basic proficiency in MS Office Tools | 1 |  | 35 |
| **Quality Assurance Analyst** | * High critical thinking skills * Good numerical skills and understanding of statistics * Detail oriented and points out the problem clearly | 1 |  | 18 |

1. Procurement Plan

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| --- | --- | --- | --- | --- | --- |
| **TEMS/SERVICES** | **JUSTIFICATION** | **NEEDED BY** | **ACQUISITION METHOD** | **CONSTRAINTS** | **COST** |
| **HUMAN RESOURCES** | | | | | |
| **Project Manager** | A project manager is necessary as he will act as the director of the team and main communicator to the client. Also, the Project Manager is the one responsible in controlling risks and minimizing uncertainty. | Project Team | HR Hiring | Availability, Required Skills | ₱ 76, 682.00 |
| **Technical Lead** | A technical lead that has a deep understanding with Code Igniter is necessary as he will be the one capable of satisfying the requirements for the system. | Project Team | HR Hiring | Availability, Required Skills | ₱ 25,673.00 |
| **Documentation Specialist** | A documentation specialist is necessary as he will be the one to document everything so it will be easier for the project manager to keep track of the progress of the team. | Project Team | HR Hiring | Availability, Required Skills | ₱ 23,250.00 |
| **Quality Assurance Analyst** | A quality assurance analyst is necessary as he will be the one to monitor the software process and methods used to ensure quality. | Project Team | HR Hiring | Availability, Required Skills | ₱ 21,600 |
| **DOCUMENTATION** | | | | | |
| **Office 365 Business** | A package of software that is relevant for the project documentation, as well as the collaboration services among the team and client. | Project Team | License Purchasing | Internet Speed, Cost, Hardware Availability | ₱ 1,875.00 |
| **LucidChart** | This software will be used to illustrate different diagrams for the system and the documentation for easier and unified comprehension. | Documentation Specialist | Open Source Online | Hardware Availability | --- |
| **GitHub Desktop** | This platform keeps the revisions straight, storing the modifications in a central repository. This allows the team to easily collaborate, as they can download a new version of the software, make changes, and upload the newest revision. | Project Team | Open Source  Download | Internet Speed, Hardware Availability | --- |
| **Excel** | A software that was used by the project m in creating the WBS, Gantt Chart, and other Project Management Related tasks. | Project Manager | Open Source Download | Hardware Availability | --- |
| **SOFTWARE DEVELOPMENT** | | | | | |
| **XAMPP** | This software acts as the HTTP Server and MariaDBDatabase. This is used to mimic a client-server environment via localhost. | Project Developer; System Designer | Open Source Download | Hardware Availability | --- |
| **Sublime Text** | This tool will help the project developer to easily navigate through the project folder (repository) and edit the source code of the system. | Project Developer; System Designer | License Purchasing | Cost, Hardware Availability | ₱ 4,180.00 |
| **Google Chrome** | This browser will be used as the medium to deploy the system as it is a web application | Project Team | Open Source Download | Hardware Availability | --- |
| **GitHub Desktop** | This tool will help the team in connecting and performing various operations (commit, pull, push, merge, etc.) with the GitHub Repository. | Project Team | Open Source Down load | Internet Speed, Hardware Availability | --- |
| **HARDWARE** | | | | | |
| **Laptop ni rhea** |  | Project Team | Store Purchase | Cost, Device Availability | ₱ 64,995.00 |

1. Project staff training

Resource Allocation

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| **ROLE** | **START** | **FINISH** | **DURATION** |
| Project Manager | January, 2018 |  |  |
| Documentation Specialist | January, 2018 |  |  |
| Quality Assurance Analyst | January, 2018 |  |  |
| Technical Lead with PHP skills | January, 2018 |  |  |

1. Requirements Management

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| --- | --- | --- |
| **FOCUS** | **OBJECTIVE** | **REQUIREMENT** |
| **Scope** | The scope must be discussed between the client and the team. The scope must be attainable in the given time and if there are changes to be made, it must be identified and deliberated in order to update the scope and avoid any miscommunication. | * Project Team Meeting * Requirement Change |
| **Time** | The schedule must be followed in order to guarantee that the project is on track to prevent any delays. | * Gantt Chart |
| **Cost** | Cost must be controlled so that the project can be completed within the approved budget | * Budget Control Plan |
| **Quality** | Quality of the project must be observed in order to achieve qualitative goal within an effective cost and time frame, that will result a quality project. | * Test Plan |

Methods, tools and techniques

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| --- | --- |
| **DOCUMENTATION** | |
| **TOOL** | **TOOL PURPOSE** |
| Microsoft Excel 2016 | For creating Gantt Chart |
| Microsoft Word 2016 | For documentation purposes |
| Microsoft PowerPoint 2016 | For presentation purposes for the client and the project team |
| LucidChart: Online Diagram Software and Visual Solution | For creating diagrams |
| Microsoft OneDrive | For storing documents |
| MySQL Workbench | For creating Entity Relationship Diagrams |

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| **SYSTEM DEVELOPMENT** | |
| **TOOL** | **TOOL PURPOSE** |
| Sublime Text Editor | For coding purposes |
| Code Igniter PHP Framework | For building and deploying system |
| phpMyAdmin | Used for easier database management operations |
| Github Desktop | Repository for version control of system |
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