**Work Breakdown Structure (WBS)**

**Barangay South Signal Village Web App**

**BARANGAY SOUTH SIGNAL VILLAGE**

**128 Col. Ballecer St Cor. Gen. Espino St. Zone 6**

**South Signal Village, Taguig City**

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# Introduction

The Work Breakdown Structure or WBS is a hierarchical breakdown of the project deliverables into smaller, more manageable components. The WBS provides a framework for the team for organizing their project work and helps them to identify the activities needed to complete their project.

The purpose of the WBS is to break down the project into manageable work packages that can be planned, monitored, and controlled. By breaking down the project into smaller components, it is easier for the team to estimate the effort required to complete each task, assign responsibilities to team members, and track progress against the project plan. It is an essential tool for project managers and provides a visual representation of the project scope and objectives. The WBS is a key component of the project management plan and is developed during the project's planning phase. The WBS helps the team to ensure that all project activities are accounted for, and nothing is overlooked or missed.

Listed below are the project deliverables, project work, activities required to complete each deliverable and the resources needed to complete the project. Such as choosing a project client, choosing a consultant, creating all papers needed for the project, and the expected labor to cost.

The Work Breakdown Structure presented here represents all the work required to complete this project.

# Outline View

The Barangay South Signal Village Web App is a comprehensive project aimed at developing a web application that caters to the needs of the residents in the Barangay. The project is divided into six phases, namely planning, analysis and design, development, testing, implementation, and closeout with each phase having specific tasks and deliverables.

1. Barangay South Signal Village Web App
   1. **PLANNING**
      1. Project Preparation
         1. Creation of Project Groups
         2. Choose Project/Client
         3. Choose Adviser/Consultant
         4. Design Thinking 1
      2. MNTSDEV Team consultation
         1. Team meeting with Project adviser
         2. Team meeting with Project Sponsor
      3. MNTSDEV Creation of Midterm Paper
         1. Chapter 1 (Introduction)
         2. Chapter 2 (RRL/RRS)
         3. Chapter 3 (Methodology)
         4. Chapter 4 (Results and Discussions)
         5. Chapter 5 (Conclusion)
         6. Proofreading
         7. Creation of presentation deck
      4. MNTSDEV Midterm Evaluation
         1. Midterm (Sprint1)
         2. Comment Matrix
      5. Initial Design
         1. Initial wireframe
         2. Initial low-fidelity prototype
      6. MNTSDEV Progression of Paper/Final Paper
         1. Chapter 1 (Introduction)
         2. Chapter 2 (RRL/RRS)
         3. Chapter 3 (Current System)
         4. Chapter 4 (Proposed System)
         5. Chapter 5 (Requirement Analysis)
         6. Chapter 6 (Conclusion)
         7. Proofreading
         8. Creation of presentation deck
         9. Submission of final Requirements for Final Presentation
      7. MNSTDEV Finals Evaluation
         1. Final Presentation (Sprint 2)
         2. Revision for Comment Matrix and Final Paper
         3. Submission of MNSTDEV FINAL Documents
   2. **ANALYSIS AND DESIGN**
      1. MSYADD Project Progression
         1. Initial analysis for Chapter 5 (Requirement Analysis)
         2. Submission of MNSTDEV final documents
         3. Implementation of GitHub Repository
         4. Request letter for Adviser/Consultant
      2. MSYADD Team consultation
         1. Team meeting with Project adviser
         2. Team meeting with Project Sponsor
      3. MSYADD Individual Deliverables
      4. MSYADD Release Plan
         1. Release Plan 1.1
         2. Release Plan 1.2
      5. MSYADD Week 3 - Week 4
         1. Event Table
         2. Use Case Diagram
         3. Use Case Full Description
         4. Data Flow Diagram
         5. Context Flow Diagram
         6. Entity Relationship Diagram
      6. MSYADD Week 5 - Week 7
         1. Activity Diagram
         2. Object Diagram
         3. Class Diagram
      7. MSYADD Midterm Evaluation
         1. Pre-midterm Presentation (Sprint 3)
         2. Midterm Presentation (Sprint 4)
         3. Revision Midterm
      8. MSYADD Week 8 - Week 9
         1. Sequence Diagram
         2. State Machine Diagram
         3. Package Diagram
         4. Deployment Diagram
         5. Component Diagram
      9. MSYADD Final Evaluation
         1. MSYADD Pre-final Presentation (Sprint 5)
         2. MSYADD Final Presentation (Sprint 6)
         3. Revision for Final Paper
         4. Submission of Final Requirements
   3. **DEVELOPMENT** 
      1. MCSPROJ Project Progression
         1. Submission of MSYADD Final Documents
         2. Request letter for Adviser/Consultant
      2. MCSPROJ Release Plan
         1. Finalizing Release 1
         2. Release Plan 2
         3. Release Plan 3
      3. MCSPROJ Midterm Deliverables
         1. Creation of Gantt Chart
         2. Creation of WBS
         3. Creation of Activity List
         4. Creation of Project Vision and Scope Progression
         5. Creation of Statement of Work Progression
         6. Creation of Project Charter Progression
         7. Pre-midterm Presentation (Sprint 7)
      4. MCSPROJ Team consultation
         1. Team meeting with Project adviser
         2. Team meeting with Project Sponsor
      5. MCSPROJ Midterm Evaluation
         1. Submission of Midterm Requirement
         2. MCSPROJ Final Presentation (Sprint 8)
      6. MCSPROJ Finals Deliverables
         1. Creation of Test Case
         2. Creation of Quality Plan
         3. Creation of User Acceptance
         4. Creation of Change Management Plan
         5. Updating MCSPROJ Final Paper
         6. Creation of Proofreading Endorsement
      7. MCSPROJ Finals Evaluation
         1. Submission of MCSPROJ Final Requirements
         2. MCSPROJ Final Presentation (Sprint 9)
   4. **IMPLEMENTATION**
      1. PROJMAN Project Progression
         1. Submission of MCSPROJ Final Documents
         2. Request Letter for Adviser/Consultant
      2. PROJMAN Week 1-3
         1. Creation of Project Charter
         2. Creation of Business Case
         3. Creation of Stakeholders Management Strategy Plan
      3. PROJMAN Week 4-6
         1. Creation of Scope Management Plan
         2. Creation of Cost Management Plan
         3. Creation of Time Management Plan
         4. Creation of Work Breakdown Structure
         5. Creation of Work Packages based on WBS.
      4. System Updates
         1. Testing 1
      5. PROJMAN Midterm Evaluation
         1. Submission of PROJMAN Midterm Requirements
         2. PROJMAN Midterm presentation (Sprint 10)
      6. PROJMAN Week 8-10
         1. Creation of HR Management Plan
         2. Creation of Quality Management Plan
         3. Creation of Risk Management Plan
         4. Creation of Communications Management Plan
         5. Creation of Procurement Management Plan
      7. PROJMAN Week 11
         1. Creation of Project Status Reports Distribution Plan
         2. Creation of Change Request Documentation
         3. Creation of Project Execution Monitoring Report
         4. Creation of Implementation Plan
      8. PROJMAN Week 12
         1. Creation of Change Management Plan
         2. Creation of Project Status Reports
         3. Creation of Transition-Out Plan
         4. Creation of Project Turn-Over Plan
         5. Creation of Post Project Review Plan
      9. PROJMAN Week 13
         1. Creation of Consolidated Project Plan
      10. PROJMAN Final Evaluation
          1. Submission of PROJMAN Final Requirements
          2. PROJMAN Final presentation (Sprint 11)
   5. **TESTING**
      1. Unit Testing
         1. Unit Testing for Release 1
         2. Unit Testing for Release 2
         3. Unit Testing for Release 3
      2. Users Acceptance Test (UI/UX)
      3. Security Testing
      4. Functional Testing
      5. Verified use cases with the client (Sprint 12)
   6. **CLOSEOUT**
      1. System and documentation handover
         1. System and documentation handover
      2. Gain Formal Acceptance
         1. Gain Formal Acceptance
      3. Project close out meeting.
         1. Project close out meeting (Sprint 13)

# Hierarchical Structure

The hierarchical structure makes it easy to see how the different components of a project fit together and how the work is distributed across the project team. It also helps to ensure that all the necessary work is identified and accounted for, which can reduce the risk of schedule delays or cost overruns for the team.

|  |  |  |
| --- | --- | --- |
| **Level** | **WBS Code** | **Element Name** |
| 1 | 1 | Barangay South Signal Village Web App |
| 2 | 1.1 | Planning |
| 3 | 1.1.1 | Project Preparation |
| 4 | 1.1.1.1 | Creation of Project Groups |
| 4 | 1.1.1.2 | Choose Project/Client |
| 4 | 1.1.1.3 | Choose Adviser/Consultant |
| 4 | 1.1.1.4 | Design Thinking 1 |
| 3 | 1.1.2 | MNTSDEV Team consultation |
| 4 | 1.1.2.1 | Team meeting with Project adviser |
| 4 | 1.1.2.2 | Team meeting with Project Sponsor |
| 3 | 1.1.3 | MNTSDEV Creation of Midterm Paper |
| 4 | 1.1.3.1 | Chapter 1 (Introduction) |
| 4 | 1.1.3.2 | Chapter 2 (RRL/RRS) |
| 4 | 1.1.3.3 | Chapter 3 (Methodology) |
| 4 | 1.1.3.4 | Chapter 4 (Results and Discussions) |
| 4 | 1.1.3.5 | Chapter 5 (Conclusion) |
| 4 | 1.1.3.6 | Proofreading |
| 4 | 1.1.3.7 | Creation of presentation deck |
| 3 | 1.1.4 | MNTSDEV Midterm Evaluation |
| 4 | 1.1.4.1 | Midterm (Sprint1) |
| 4 | 1.1.4.2 | Comment Matrix |
| 3 | 1.1.5 | Initial Design |
| 4 | 1.1.5.1 | Initial wireframe |
| 4 | 1.1.5.2 | Initial low-fidelity prototype |
| 3 | 1.1.6 | MNTSDEV Progression of Paper/Final Paper |
| 4 | 1.1.6.1 | Chapter 1 (Introduction) |
| 4 | 1.1.6.2 | Chapter 2 (RRL/RRS) |
| 4 | 1.1.6.3 | Chapter 3 (Current System) |
| 4 | 1.1.6.4 | Chapter 4 (Proposed System) |
| 4 | 1.1.6.5 | Chapter 5 (Requirement Analysis) |
| 4 | 1.1.6.6 | Chapter 6 (Conclusion) |
| 4 | 1.1.6.7 | Proofreading |
| 4 | 1.1.6.8 | Creation of presentation deck |
| 4 | 1.1.6.9 | Submission of final Requirements for Final Presentation |
| 3 | 1.1.7 | MNSTDEV Finals Evaluation |
| 4 | 1.1.7.1 | Final Presentation (Sprint 2) |
| 4 | 1.1.7.2 | Revision for Comment Matrix and Final Paper |
| 4 | 1.1.7.3 | Submission of MNSTDEV FINAL Documents |
| 2 | 1.2 | Analysis and Design |
| 3 | 1.2.1 | MSYADD Project Progression |
| 4 | 1.2.1.1 | Initial analysis for Chapter 5 (Requirement Analysis) |
| 4 | 1.2.1.2 | Submission of MNSTDEV final documents |
| 4 | 1.2.1.3 | Implementation of GitHub Repository |
| 4 | 1.2.1.4 | Request letter for Adviser/Consultant |
| 3 | 1.2.2 | MSYADD Team consultation |
| 4 | 1.2.2.1 | Team meeting with Project adviser |
| 4 | 1.2.2.2 | Team meeting with Project Sponsor |
| 3 | 1.2.3 | MSYADD Individual Deliverables |
| 3 | 1.2.4 | MSYADD Release Plan |
| 4 | 1.2.4.1 | Release Plan 1.1 |
| 4 | 1.2.4.2 | Release Plan 1.2 |
| 3 | 1.2.5 | MSYADD Week 3 - Week 4 |
| 4 | 1.2.5.1 | Event Table |
| 4 | 1.2.5.2 | Use Case Diagram |
| 4 | 1.2.5.3 | Use Case Full Description |
| 4 | 1.2.5.4 | Data Flow Diagram |
| 4 | 1.2.5.5 | Context Flow Diagram |
| 4 | 1.2.5.6 | Entity Relationship Diagram |
| 3 | 1.2.6 | MSYADD Week 5 - Week 7 |
| 4 | 1.2.6.1 | Activity Diagram |
| 4 | 1.2.6.2 | Object Diagram |
| 4 | 1.2.6.3 | Class Diagram |
| 3 | 1.2.7 | MSYADD Midterm Evaluation |
| 4 | 1.2.7.1 | Pre-midterm Presentation (Sprint 3) |
| 4 | 1.2.7.2 | Midterm Presentation (Sprint 4) |
| 4 | 1.2.7.3 | Revision Midterm |
| 3 | 1.2.8 | MSYADD Week 8 - Week 9 |
| 4 | 1.2.8.1 | Sequence Diagram |
| 4 | 1.2.8.2 | State Machine Diagram |
| 4 | 1.2.8.3 | Package Diagram |
| 4 | 1.2.8.4 | Deployment Diagram |
| 4 | 1.2.8.5 | Component Diagram |
| 3 | 1.2.9 | MSYADD Final Evaluation |
| 4 | 1.2.9.1 | MSYADD Pre-final Presentation (Sprint 5) |
| 4 | 1.2.9.2 | MSYADD Final Presentation (Sprint 6) |
| 4 | 1.2.9.3 | Revision for Final Paper |
| 4 | 1.2.9.4 | Submission of Final Requirements |
| 2 | 1.3 | DEVELOPMENT |
| 3 | 1.3.1 | MCSPROJ Project Progression |
| 4 | 1.3.1.1 | Submission of MSYADD Final Documents |
| 4 | 1.3.1.2 | Request letter for Adviser/Consultant |
| 3 | 1.3.2 | MCSPROJ Release Plan |
| 4 | 1.3.2.1 | Finalizing Release 1 |
| 4 | 1.3.2.2 | Release Plan 2 |
| 4 | 1.3.2.3 | Release Plan 3 |
| 3 | 1.3.3 | MCSPROJ Midterm Deliverables |
| 4 | 1.3.3.1 | Creation of Gantt Chart |
| 4 | 1.3.3.2 | Creation of WBS |
| 4 | 1.3.3.3 | Creation of Activity List |
| 4 | 1.3.3.4 | Creation of Project Vision and Scope Progression |
| 4 | 1.3.3.5 | Creation of Statement of Work Progression |
| 4 | 1.3.3.6 | Creation of Project Charter Progression |
| 4 | 1.3.3.7 | Pre-midterm Presentation (Sprint 7) |
| 3 | 1.3.4 | MCSPROJ Team consultation |
| 4 | 1.3.4.1 | Team meeting with Project adviser |
| 4 | 1.3.4.2 | Team meeting with Project Sponsor |
| 3 | 1.3.5 | MCSPROJ Midterm Evaluation |
| 4 | 1.3.5.1 | Submission of Midterm Requirement |
| 4 | 1.3.5.2 | MCSPROJ Final Presentation (Sprint 8) |
| 3 | 1.3.6 | MCSPROJ Finals Deliverables |
| 4 | 1.3.6.1 | Creation of Test Case |
| 4 | 1.3.6.2 | Creation of Quality Plan |
| 4 | 1.3.6.3 | Creation of User Acceptance |
| 4 | 1.3.6.4 | Creation of Change Management Plan |
| 4 | 1.3.6.5 | Updating MCSPROJ Final Paper |
| 4 | 1.3.6.6 | Creation of Proofreading Endorsement |
| 3 | 1.3.7 | MCSPROJ Finals Evaluation |
| 4 | 1.3.7.1 | Submission of MCSPROJ Final Requirements |
| 4 | 1.3.7.2 | MCSPROJ Final Presentation (Sprint 9) |
| 2 | 1.4 | Implementation |
| 3 | 1.4.1 | PROJMAN Project Progression |
| 4 | 1.4.1.1 | Submission of MCSPROJ Final Documents |
| 4 | 1.4.1.2 | Request Letter for Adviser/Consultant |
| 3 | 1.4.2 | PROJMAN Week 1-3 |
| 4 | 1.4.2.1 | Creation of Project Charter |
| 4 | 1.4.2.2 | Creation of Business Case |
| 4 | 1.4.2.3 | Creation of Stakeholders Management Strategy Plan |
| 3 | 1.4.3 | PROJMAN Week 4-6 |
| 4 | 1.4.3.1 | Creation of Scope Management Plan |
| 4 | 1.4.3.2 | Creation of Cost Management Plan |
| 4 | 1.4.3.3 | Creation of Time Management Plan |
| 4 | 1.4.3.4 | Creation of Work Breakdown Structure |
| 4 | 1.4.3.5 | Creation of Work Packages based on WBS. |
| 3 | 1.4.4 | System Updates |
| 4 | 1.4.4.1 | Testing 1 |
| 3 | 1.4.5 | PROJMAN Midterm Evaluation |
| 4 | 1.4.5.1 | Submission of PROJMAN Midterm Requirements |
| 4 | 1.4.5.2 | PROJMAN Midterm presentation (Sprint 10) |
| 3 | 1.4.6 | PROJMAN Week 8-10 |
| 4 | 1.4.6.1 | Creation of HR Management Plan |
| 4 | 1.4.6.2 | Creation of Quality Management Plan |
| 4 | 1.4.6.3 | Creation of Risk Management Plan |
| 4 | 1.4.6.4 | Creation of Communications Management Plan |
| 4 | 1.4.6.5 | Creation of Procurement Management Plan |
| 3 | 1.4.7 | PROJMAN Week 11 |
| 4 | 1.4.7.1 | Creation of Project Status Reports Distribution Plan |
| 4 | 1.4.7.2 | Creation of Change Request Documentation |
| 4 | 1.4.7.3 | Creation of Project Execution Monitoring Report |
| 4 | 1.4.7.4 | Creation of Implementation Plan |
| 3 | 1.4.8 | PROJMAN Week 12 |
| 4 | 1.4.8.1 | Creation of Change Management Plan |
| 4 | 1.4.8.2 | Creation of Project Status Reports |
| 4 | 1.4.8.3 | Creation of Transition-Out Plan |
| 4 | 1.4.8.4 | Creation of Project Turn-Over Plan |
| 4 | 1.4.8.5 | Creation of Post Project Review Plan |
| 3 | 1.4.9 | PROJMAN Week 13 |
| 4 | 1.4.9.1 | Creation of Consolidated Project Plan |
| 3 | 1.4.10 | PROJMAN Final Evaluation |
| 4 | 1.4.10.1 | Submission of PROJMAN Final Requirements |
| 4 | 1.4.10.2 | PROJMAN Final presentation (Sprint 11) |
| 2 | 1.5 | Testing |
| 3 | 1.5.1 | Unit Testing |
| 4 | 1.5.1.1 | Unit Testing for Release 1 |
| 4 | 1.5.1.2 | Unit Testing for Release 2 |
| 4 | 1.5.1.3 | Unit Testing for Release 3 |
| 3 | 1.5.2 | Users Acceptance Test (UI/UX) |
| 3 | 1.5.3 | Security Testing |
| 3 | 1.5.4 | Functional Testing |
| 3 | 1.5.5 | Verified use cases with the client (Sprint 12) |
| 2 | 1.6 | Closeout |
| 3 | 1.6.1 | System and documentation handover |
| 4 | 1.6.1.1 | System and documentation handover |
| 3 | 1.6.2 | Gain Formal Acceptance |
| 4 | 1.6.2.1 | Gain Formal Acceptance |
| 3 | 1.6.3 | Project close out meeting. |
| 4 | 1.6.3.1 | Project close out meeting (Sprint 13) |

# Tabular View

The Tabular View shows the WBS for the Barangay South Signal Village Web App project, organized in a table format with four main categories: Planning, Analysis and Design, Development, and Implementation, with a fifth category for project closeout. Each category is broken down into subcategories and tasks, making it easier to track project progress and ensure timely completion of tasks.

|  |  |  |  |
| --- | --- | --- | --- |
| **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| 1. Barangay South Signal Village Web App | 1.1 Planning | 1.1.1 Project Preparation  1.1.2 MNTSDEV Team consultation  1.1.3 MNTSDEV Creation of Midterm Paper  1.1.4 MNTSDEV Midterm Evaluation  1.1.5 Initial Design  1.1.6 MNTSDEV Progression of Paper/Final Paper  1.1.7 MNSTDEV Finals Evaluation | 1.1.1.1 Creation of Project Groups  1.1.1.2 Choose Project/Client  1.1.1.3 Choose Adviser/Consultant  1.1.1.4 Design Thinking 1  1.1.2.1 Team meeting with Project adviser  1.1.2.2 Team meeting with Project Sponsor  1.1.3.1 Chapter 1 (Introduction)  1.1.3.2 Chapter 2 (RRL/RRS)  1.1.3.3 Chapter 3 (Methodology)  1.1.3.4 Chapter 4 (Results and Discussions)  1.1.3.5 Chapter 5 (Conclusion)  1.1.3.6 Proofreading  1.1.3.7 Creation of presentation deck  1.1.4.1 Midterm (Sprint1)  1.1.4.2 Comment Matrix  1.1.5.1 Initial wireframe  1.1.5.2 Initial low-fidelity prototype  1.1.6.1 Chapter 1 (Introduction)  1.1.6.2 Chapter 2 (RRL/RRS)  1.1.6.3 Chapter 3 (Current System)  1.1.6.4 Chapter 4 (Proposed System)  1.1.6.5 Chapter 5 (Requirement Analysis)  1.1.6.6 Chapter 6 (Conclusion)  1.1.6.7 Proofreading  1.1.6.8 Creation of presentation deck  1.1.6.9 Submission of final Requirements for Final Presentation  1.1.7.1 Final Presentation (Sprint 2)  1.1.7.2 Revision for Comment Matrix and Final Paper  1.1.7.3 Submission of MNSTDEV FINAL Documents |
| 1.2 Analysis and Design | 1.2.1 MSYADD Project Progression  1.2.2 MSYADD Team consultation  1.2.3 MSYADD Individual Deliverables  1.2.4 MSYADD Release Plan  1.2.5 MSYADD Week 3 - Week 4  1.2.6 MSYADD Week 5 - Week 7  1.2.7 MSYADD Midterm Evaluation  1.2.8 MSYADD Week 8 - Week 9  1.2.9 MSYADD Final Evaluation | 1.2.1.1 Initial analysis for Chapter 5 (Requirement Analysis)  1.2.1.2 Submission of MNSTDEV final documents  1.2.1.3 Implementation of GitHub Repository  1.2.1.4 Request letter for Adviser/Consultant  1.2.2.1 Team meeting with Project adviser  1.2.2.2 Team meeting with Project Sponsor  1.2.4.1 Release Plan 1.1  1.2.4.2 Release Plan 1.2  1.2.5.1 Event Table  1.2.5.2 Use Case Diagram  1.2.5.3 Use Case Full Description  1.2.5.4 Data Flow Diagram  1.2.5.5 Context Flow Diagram  1.2.5.6 Entity Relationship Diagram  1.2.6.1 Activity Diagram  1.2.6.2 Object Diagram  1.2.6.3 Class Diagram  1.2.7.1 Pre-midterm Presentation (Sprint 3)  1.2.7.2 Midterm Presentation (Sprint 4)  1.2.7.3 Revision Midterm  1.2.8.1 Sequence Diagram  1.2.8.2 State Machine Diagram  1.2.8.3 Package Diagram  1.2.8.4 Deployment Diagram  1.2.8.5 Component Diagram  1.2.9.1 MSYADD Pre-final Presentation (Sprint 5)  1.2.9.2 MSYADD Final Presentation (Sprint 6)  1.2.9.3 Revision for Final Paper  1.2.9.4 Submission of Final Requirements |
| 1.3 Development | 1.3.1 MCSPROJ Project Progression  1.3.2 MCSPROJ Release Plan  1.3.3 MCSPROJ Midterm Deliverables  1.3.4 MCSPROJ Team consultation  1.3.5 MCSPROJ Midterm Evaluation  1.3.6 MCSPROJ Finals Deliverables  1.3.7 MCSPROJ Finals Evaluation | 1.3.1.1 Submission of MSYADD Final Documents  1.3.1.2 Request letter for Adviser/Consultant  1.3.2.1 Finalizing Release 1  1.3.2.2 Release Plan 2  1.3.2.3 Release Plan 3  1.3.3.1 Creation of Gantt Chart  1.3.3.2 Creation of WBS  1.3.3.3 Creation of Activity List  1.3.3.4 Creation of Project Vision and Scope Progression  1.3.3.5 Creation of Statement of Work Progression  1.3.3.6 Creation of Project Charter Progression  1.3.3.7 Pre-midterm Presentation (Sprint 7)  1.3.4.1 Team meeting with Project adviser  1.3.4.2 Team meeting with Project Sponsor  1.3.5.1 Submission of Midterm Requirement  1.3.5.2 MCSPROJ Final Presentation (Sprint 8)  1.3.6.1 Creation of Test Case  1.3.6.2 Creation of Quality Plan  1.3.6.3 Creation of User Acceptance  1.3.6.4 Creation of Change Management Plan  1.3.6.5 Updating MCSPROJ Final Paper  1.3.6.6 Creation of Proofreading Endorsement  1.3.7.1 Submission of MCSPROJ Final Requirements  1.3.7.2 MCSPROJ Final Presentation (Sprint 9) |
| 1.4 Implementation | 1.4.1 PROJMAN Project Progression  1.4.2 PROJMAN Week 1-3  1.4.3 PROJMAN Week 4-6  1.4.4 System Updates  1.4.5 PROJMAN Midterm Evaluation  1.4.6 PROJMAN Week 8-10  1.4.7 PROJMAN Week 11  1.4.8 PROJMAN Week 12  1.4.9 PROJMAN Week 13  1.4.10 PROJMAN Final Evaluation | 1.4.1.1 Submission of MCSPROJ Final Documents  1.4.1.2 Request Letter for Adviser/Consultant  1.4.2.1 Creation of Project Charter  1.4.2.2 Creation of Business Case  1.4.2.3 Creation of Stakeholders Management Strategy Plan  1.4.3.1 Creation of Scope Management Plan  1.4.3.2 Creation of Cost Management Plan  1.4.3.3 Creation of Time Management Plan  1.4.3.4 Creation of Work Breakdown Structure  1.4.3.5 Creation of Work Packages based on WBS.  1.4.4.1 Testing 1  1.4.5.1 Submission of PROJMAN Midterm Requirements  1.4.5.2 PROJMAN Midterm presentation (Sprint 10)  1.4.6.1 Creation of HR Management Plan  1.4.6.2 Creation of Quality Management Plan  1.4.6.3 Creation of Risk Management Plan  1.4.6.4 Creation of Communications Management Plan  1.4.6.5 Creation of Procurement Management Plan  1.4.7.1 Creation of Project Status Reports Distribution Plan  1.4.7.2 Creation of Change Request Documentation  1.4.7.3 Creation of Project Execution Monitoring Report  1.4.7.4 Creation of Implementation Plan  1.4.8.1 Creation of Change Management Plan  1.4.8.2 Creation of Project Status Reports  1.4.8.3 Creation of Transition-Out Plan  1.4.8.4 Creation of Project Turn-Over Plan  1.4.8.5 Creation of Post Project Review Plan  1.4.9.1 Creation of Consolidated Project Plan  1.4.10.1 Submission of PROJMAN Final Requirements  1.4.10.2 PROJMAN Final presentation (Sprint 11) |
| 11.5 Testing | 1.5.1 Unit Testing  1.5.2 User Acceptance Test (UI/UX)  1.5.3 Functional Testing | 1.5.1.1 Unit Testing for Release 1  1.5.1.2 Unit Testing for Release 2  1.5.1.3 Unit Testing for Release 3 |
| 1.6 Closeout | 1.6.1 System and documentation handover  1.6.2 Gain Formal Acceptance  1.6.3 Project close out meeting. | 1.6.1.1 System and documentation handover  1.6.1.2 Gain Formal Acceptance  1.6.1.3 Project close out meeting. |

# Tree Structure View

Barangay South Signal Village Web App

1

Planning

1.1

Analysis and Design

1.2

Development

1.3

Implementation

1.4

MSYADD Project Progression

1.2.1

Closeout

1.5

Project Preparation

1.1.1

MNTSDEV Team Consultation

1.1.2

MNTSDEV Creation of Midterm Paper

1.1.3

MNTSDEV Midterm Evaluation

1.1.4

Initial Design

1.1.5

MSYADD Team Consultation

1.2.2

MSYADD Individual Deliverables

1.2.3

MSYADD Release Plan

1.2.4

MSYADD Week 3-4

1.2.5

MSYADD Week 5-7

1.2.6

MCSPROJ Project Progression

1.3.1

MCSPROJ Release Plan

1.3.2

MCSPROJ Midterm Deliverables

1.3.3

MCSPROJ Team Consultation

1.3.4

MCSPROJ Midterm Evaluation

1.3.5

MCSPROJ Finals Deliverables

1.3.6

MCSPROJ Finals Evaluation

1.3.7

PROJMAN Project Progression

1.4.1

PROJMAN Week 1-3

1.4.2

PROJMAN Week 4-6

1.4.3

System Updates

1.4.4

System and Documentation Handover

1.5.1

Gain Formal Acceptance

1.5.2

Project close out meeting.

1.5.3

MNTSDEV Finals Evaluation

1.1.7

MNTSDEV Progression of Paper/Final Paper

1.1.6

MSYADD Midterm Evaluation

1.2.7

MSYADD Week 8-9

1.2.8

MSYADD Final Evaluation

1.2.9

PROJMAN Midterm Evaluation

1.4.5

PROJMAN Week 8-10

1.4.6

PROJMAN Week 11

1.4.7

PROJMAN Week 12

1.4.8

PROJMAN Week 13

1.4.9

PROJMAN Final Evaluation

1.4.10

# WBS Dictionary

The WBS Dictionary is a document that contains all the essential details of the Work Breakdown Structure (WBS) required to complete a project successfully. It includes a definition of each Work Package, which acts as a mini scope statement. The WBS Dictionary is an important reference for project resources to understand the scope of the Work Package assigned to them. Typically, the WBS Dictionary includes more information than what is shown in the sample, such as Level of Effort, Cost Control Numbers, Resource Assignments, Responsibility Assignments, and other relevant information.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Level** | **WBS Code** | **Element Name** | **Definition** | **Estimated Duration** | **Expected Labor Cost** | | | | |
|  |
| **Project Manager** | **Product Owner** | **Scrum Master** | **Scrum Member/s** | **Documentation Manager** |  |
| ₱ 316.28 | ₱ 365.63 | ₱ 496.88 | ₱ 250.00 | ₱ 256.62 |  |
| 1 | 1 | Barangay South Signal Village Web App | A web application developed for the use of Barangay South Signal Village in addressing their local governance needs |  |  |  |  |  |  |  |
| **2** | **1.1** | **PLANNING** |  | **87 days** |  |  |  |  |  |  |
| 3 | 1.1.1 | Project Preparation | The phase of the planning stage that includes activities such as creating project groups, choosing project/client, selecting an adviser/consultant, and initiating design thinking. | **23 days** | ₱58,195.75 | ₱67,275.00 | ₱91,425.00 | ₱46,000.00 | ₱47,217.85 |  |
| 4 | 1.1.1.1 | Creation of Project Groups | The process of creating teams or groups of individuals that will be responsible for specific tasks and activities in the development of the web application. | **4 days** |  |  |  |  |  |  |
| 4 | 1.1.1.2 | Choose Project/Client | The process of selecting a project or client for whom the web application will be developed. | **4 days** |  |  |  |  |  |  |
| 4 | 1.1.1.3 | Choose Adviser/Consultant | The process of selecting a qualified adviser or consultant who will provide guidance and support to the project team in developing the web application. | **20 days** |  |  |  |  |  |  |
| 4 | 1.1.1.4 | Design Thinking 1 | A human-centered approach to problem-solving that involves empathizing with the users, defining the problem, solutions, and prototyping. | **3 days** |  |  |  |  |  |  |
| 3 | 1.1.2 | MNTSDEV Team consultation | Meeting of the project team to discuss progress, issues, and updates. | **7 days** | ₱17,711.75 | ₱20,475.00 | ₱27,825.00 | ₱14,000.00 | ₱14,370.65 |  |
| 4 | 1.1.2.1 | Team meeting with Project adviser | Meeting with the project team and the project adviser to discuss issues and concerns regarding the development of the web application. | **5 days** |  |  |  |  |  |  |
| 4 | 1.1.2.2 | Team meeting with Project Sponsor | Meeting with the project team with the project sponsor to provide updates on project progress and receive feedback on project deliverables. | **2 days** |  |  |  |  |  |  |
| 3 | 1.1.3 | MNTSDEV Creation of Midterm Paper | A document that outlines the progress of the web application development project and includes a detailed analysis of the project's strengths and weaknesses. | **15 days** | ₱37,953.75 | ₱43,875.00 | ₱59,625.00 | ₱30,000.00 | ₱30,794.25 |  |
| 4 | 1.1.3.1 | Chapter 1 (Introduction) | The first chapter of the midterm paper, which includes the background of the project, the project objectives, and the project scope. | **12 days** |  |  |  |  |  |  |
| 4 | 1.1.3.2 | Chapter 2 (RRL/RRS) | The second chapter of the midterm paper that includes a review of related literature and studies | **12 days** |  |  |  |  |  |  |
| 4 | 1.1.3.3 | Chapter 3 (Methodology) | The third chapter of the midterm paper that includes a description of the methodology used for the project | **12 days** |  |  |  |  |  |  |
| 4 | 1.1.3.4 | Chapter 4 (Results and Discussions) | The fourth chapter of the midterm paper that includes the results and discussions of the web application project | **12 days** |  |  |  |  |  |  |
| 4 | 1.1.3.5 | Chapter 5 (Conclusion) | The fifth and final chapter of the midterm paper that includes the conclusion of the web application project | **1 day** |  |  |  |  |  |  |
| 4 | 1.1.3.6 | Proofreading | A task that involves reviewing and correcting errors in the project documents and deliverables | **1 day** |  |  |  |  |  |  |
| 4 | 1.1.3.7 | Creation of presentation deck | A task that involves creating a presentation deck for the web application project | **1 day** |  |  |  |  |  |  |
| 3 | 1.1.4 | MNTSDEV Midterm Evaluation | Evaluation of the project progress and status | **7 days** | ₱17,711.75 | ₱20,475.00 | ₱27,825.00 | ₱14,000.00 | ₱14,370.65 |  |
| 4 | 1.1.4.1 | Midterm (Sprint1) | Development of the project during the first sprint | **1 days** |  |  |  |  |  |  |
| 4 | 1.1.4.2 | Comment Matrix | Document containing feedback and comments on the project. | **5 days** |  |  |  |  |  |  |
| 3 | 1.1.5 | Initial Design | Creation of the initial design of the web application | **44 days** |  |  | ₱174,900.00 | ₱88,000.00 |  |  |
| 4 | 1.1.5.1 | Initial wireframe | Creation of the initial wireframe of the web application | **14 days** |  |  |  |  |  |  |
| 4 | 1.1.5.2 | Initial low-fidelity prototype | Creation of the first prototype with basic functionality | **25 days** |  |  |  |  |  |  |
| 3 | 1.1.6 | MNTSDEV Progression of Paper/Final Paper | The process of developing and improving the final paper, which includes all chapters, results, and discussions. | **22 days** | ₱63,256.25 | ₱73,125.00 | ₱99,375.00 | ₱50,000.00 | ₱51,323.75 |  |
| 4 | 1.1.6.1 | Chapter 1 (Introduction) | The first chapter of the final paper, which provides an overview of the research problem, objectives, and scope. | **22 days** |  |  |  |  |  |  |
| 4 | 1.1.6.2 | Chapter 2 (RRL/RRS) | The second chapter of the final paper, which presents the related literature and related research studies. | **22 days** |  |  |  |  |  |  |
| 4 | 1.1.6.3 | Chapter 3 (Current System) | The third chapter of the final paper, which describes the existing system or technology related to the research. | **22 days** |  |  |  |  |  |  |
| 4 | 1.1.6.4 | Chapter 4 (Proposed System) | The fourth chapter of the final paper, which presents the proposed system or technology to be developed. | **22 days** |  |  |  |  |  |  |
| 4 | 1.1.6.5 | Chapter 5 (Requirement Analysis) | The fifth chapter of the final paper, which presents the requirements and specifications of the proposed system. | **22 days** |  |  |  |  |  |  |
| 4 | 1.1.6.6 | Chapter 6 (Conclusion) | The last chapter of the final paper, which summarizes the research and provides recommendations for future work. | **1 day** |  |  |  |  |  |  |
| 4 | 1.1.6.7 | Proofreading | The process of checking the final paper for any errors or mistakes, such as spelling, grammar, and formatting. | **1 day** |  |  |  |  |  |  |
| 4 | 1.1.6.8 | Creation of presentation deck | A task that involves creating a presentation deck for the web application project | **1 day** |  |  |  |  |  |  |
| 4 | 1.1.6.9 | Submission of final Requirements for Final Presentation | The process of submitting all necessary requirements for the final presentation. | **1 day** |  |  |  |  |  |  |
| 3 | 1.1.7 | MNSTDEV Finals Evaluation | The evaluation process of the final presentation and the final paper. | **21 days** | ₱53,135.25 | ₱61,425.00 | ₱83,475.00 | ₱42,000.00 | ₱43,111.95 |  |
| 4 | 1.1.7.1 | Final Presentation (Sprint 2) | The presentation of the final paper to an audience, which includes the project adviser and panelists | **1 day** |  |  |  |  |  |  |
| 4 | 1.1.7.2 | Revision for Comment Matrix and Final Paper | The process of revising the final paper and the comment matrix is based on the feedback from the evaluation. | **19 days** |  |  |  |  |  |  |
| 4 | 1.1.7.3 | Submission of MNSTDEV FINAL Documents | The process of submitting the final paper and all necessary documents to complete the final deliverables | **1 day** |  |  |  |  |  |  |
| **2** | **1.2** | **ANALYSIS AND DESIGN** |  | **171 days** |  |  |  |  |  |  |
| 3 | 1.2.1 | MSYADD Project Progression | Refers to the overall progress and development of the MSYADD project. | **88 days** | ₱222,662.00 |  |  |  | ₱180,659.60 |  |
| 4 | 1.2.1.1 | Initial analysis for Chapter 5 (Requirement Analysis) | The process of analyzing the requirements needed for Chapter 5 of the MSYADD project. | **22 days** |  |  |  |  |  |  |
| 4 | 1.2.1.2 | Submission of MNSTDEV final documents | Submission of the final documents required for the MNSTDEV | **5 day** |  |  |  |  |  |  |
| 4 | 1.2.1.3 | Implementation of GitHub Repository | Setting up the GitHub repository for the project | **1 days** |  |  |  |  |  |  |
| 4 | 1.2.1.4 | Request letter for Adviser/Consultant | Formal request for an adviser or consultant for the MSYADD project. | **5 days** |  |  |  |  |  |  |
| 3 | 1.2.2 | MSYADD Team consultation | Meeting with the project team to discuss progress, issues, and updates. | **4 days** | ₱10,121.00 | ₱11,700.00 | ₱15,900.00 | ₱8,000.00 | ₱8,211.80 |  |
| 4 | 1.2.2.1 | Team meeting with Project adviser | Meeting with the project team and the project adviser to discuss issues and concerns regarding the development of the web application. | **3 days** |  |  |  |  |  |  |
| 4 | 1.2.2.2 | Team meeting with Project Sponsor | Meeting with the project team with the project sponsor to provide updates on project progress and receive feedback on project deliverables. | **1 day** |  |  |  |  |  |  |
| 3 | 1.2.3 | MSYADD Individual Deliverables | Submission of individual deliverables for the MSYADD project. | **31 days** | ₱78,437.75 | ₱90,675.00 | ₱123,225.00 | ₱62,000.00 | ₱63,641.45 |  |
| 3 | 1.2.4 | MSYADD Release Plan | A plan that outlines the timeline for the release of a new version of the MSYADD project | **73 days** |  | ₱213,525.00 | ₱290,175.00 | ₱146,000.00 |  |  |
| 4 | 1.2.4.1 | Release Plan 1.1 | A specific release of the MSYADD project that includes new features or improvements | **31 days** |  |  |  |  |  |  |
| 4 | 1.2.4.2 | Release Plan 1.2 | Another specific release of the MSYADD project that includes new features or improvements | **35 days** |  |  |  |  |  |  |
| 3 | 1.2.5 | MSYADD Week 3 - Week 4 | The period of time during the MSYADD project when certain tasks are expected to be completed | **11 days** | ₱27,832.75 | ₱32,175.00 | ₱43,725.00 | ₱22,000.00 | ₱22,582.45 |  |
| 4 | 1.2.5.1 | Event Table | A table that documents events and their attributes | **2 days** |  |  |  |  |  |  |
| 4 | 1.2.5.2 | Use Case Diagram | A visual representation of the interactions between actors and the system in a particular use case scenario | **2 days** |  |  |  |  |  |  |
| 4 | 1.2.5.3 | Use Case Full Description | A detailed description of each use case | **2 days** |  |  |  |  |  |  |
| 4 | 1.2.5.4 | Data Flow Diagram | A visual representation of the flow of data through a system or process | **1 day** |  |  |  |  |  |  |
| 4 | 1.2.5.5 | Context Flow Diagram | A high-level data flow diagram that provides an overview of the entire system or process | **2 days** |  |  |  |  |  |  |
| 4 | 1.2.5.6 | Entity Relationship Diagram | A visual representation of the relationships between entities in a database | **2 days** |  |  |  |  |  |  |
| 3 | 1.2.6 | MSYADD Week 5 - Week 7 | The period of time during the MSYADD project when certain tasks are expected to be completed | **10 days** | ₱25,302.50 | ₱29,250.00 | ₱39,750.00 | ₱20,000.00 | ₱20,529.50 |  |
| 4 | 1.2.6.1 | Activity Diagram | A visual representation of the flow of activities or actions in a particular process or system | **5 days** |  |  |  |  |  |  |
| 4 | 1.2.6.2 | Object Diagram | A visual representation of the objects and their relationships in a system | **3 days** |  |  |  |  |  |  |
| 4 | 1.2.6.3 | Class Diagram | A visual representation of the classes, their attributes, and their relationships in an object-oriented programming language | **2 days** |  |  |  |  |  |  |
| 3 | 1.2.7 | MSYADD Midterm Evaluation | Evaluation of the project progress and status | **5 days** | ₱12,651.25 | ₱14,625.00 | ₱19,875.00 | ₱10,000.00 | ₱10,264.75 |  |
| 4 | 1.2.7.1 | Pre-midterm Presentation (Sprint 3) | Presentation of the progress made on the MSYADD project before the midterm evaluation | **1 day** |  |  |  |  |  |  |
| 4 | 1.2.7.2 | Midterm Presentation (Sprint 4) | Presentation of the progress made on the MSYADD project | **1 day** |  |  |  |  |  |  |
| 4 | 1.2.7.3 | Revision Midterm | Revising the project based on the feedback and evaluation received during the midterm presentation. | **3 days** |  |  |  |  |  |  |
| 3 | 1.2.8 | MSYADD Week 8 - Week 9 | Timeframe for completing the Sequence Diagram, State Machine Diagram, Package Diagram, Deployment Diagram, and Component Diagram. | **10.125 days** | ₱25,618.78 | ₱29,615.63 | ₱40,246.88 | ₱20,250.00 | ₱20,786.12 |  |
| 4 | 1.2.8.1 | Sequence Diagram | Shows the interactions between objects in a system over time. | **2.4 days** |  |  |  |  |  |  |
| 4 | 1.2.8.2 | State Machine Diagram | Depicts the states and transitions of an object or system. | **2.4 days** |  |  |  |  |  |  |
| 4 | 1.2.8.3 | Package Diagram | Displays the organization of various elements in a system into related groups. | **2.4 days** |  |  |  |  |  |  |
| 4 | 1.2.8.4 | Deployment Diagram | Shows the physical arrangement of hardware and software components in a system. | **2.4 days** |  |  |  |  |  |  |
| 4 | 1.2.8.5 | Component Diagram | Illustrates the components and relationships of components within a system. | **2.4 days** |  |  |  |  |  |  |
| 3 | 1.2.9 | MSYADD Final Evaluation | The final evaluation of the MSYADD project. | **14 days** | ₱35,423.50 | ₱40,950.00 | ₱55,650.00 | ₱28,000.00 | ₱28,741.30 |  |
| 4 | 1.2.9.1 | MSYADD Pre-final Presentation (Sprint 5) | A presentation of the progress made on the MSYADD project before the final evaluation | **4 days** |  |  |  |  |  |  |
| 4 | 1.2.9.2 | MSYADD Final Presentation (Sprint 6) | The final presentation of the MSYADD project | **1 day** |  |  |  |  |  |  |
| 4 | 1.2.9.3 | Revision for Final Paper | Revising the project paper based on the feedback received during the final evaluation. | **7 days** |  |  |  |  |  |  |
| 4 | 1.2.9.4 | Submission of Final Requirements | The final submission of all project requirement/deliverables, including the project paper and presentation. | **1 day** |  |  |  |  |  |  |
| **2** | **1.3** | **DEVELOPMENT** |  | **417 days** |  |  |  |  |  |  |
| 3 | 1.3.1 | MCSPROJ Project Progression | Refers to the overall progress and development of the MCSPROJ project. | **7 days** | ₱17,711.75 | ₱20,475.00 | ₱27,825.00 | ₱14,000.00 | ₱14,370.65 |  |
| 4 | 1.3.1.1 | Submission of MSYADD Final Documents | Submission of the final documents required for the MSYADD | **7 days** |  |  |  |  |  |  |
| 4 | 1.3.1.2 | Request letter for Adviser/Consultant | Formal request for an adviser or consultant for the MCSPROJ project. | **7 days** |  |  |  |  |  |  |
| 3 | 1.3.2 | MCSPROJ Release Plan | A plan that outlines the timeline for the release of a new version of the MCSPROJ project | **193 days** | ₱488,338.25 | ₱564,525.00 | ₱767,175.00 | ₱386,000.00 |  |  |
| 4 | 1.3.2.1 | Finalizing Release 1 | The process of finalizing the first release of the project | **73 days** |  |  |  |  |  |  |
| 4 | 1.3.2.2 | Release Plan 2 | A plan for releasing the second version of the project | **46 days** |  |  |  |  |  |  |
| 4 | 1.3.2.3 | Release Plan 3 | A plan for releasing the third version of the project | **49 days** |  |  |  |  |  |  |
| 3 | 1.3.3 | MCSPROJ Midterm Deliverables | The deliverables that need to be completed by the midterm of the project | **36 days** | ₱91,089.00 | ₱105,300.00 | ₱143,100.00 | ₱72,000.00 | ₱73,906.20 |  |
| 4 | 1.3.3.1 | Creation of Gantt Chart | Creating a Gantt chart to track the progress of the project | **8 days** |  |  |  |  |  |  |
| 4 | 1.3.3.2 | Creation of WBS | Creating a Work Breakdown Structure to break down the project into smaller tasks | **1 day** |  |  |  |  |  |  |
| 4 | 1.3.3.3 | Creation of Activity List | Creating a list of activities that need to be completed for the project | **1 day** |  |  |  |  |  |  |
| 4 | 1.3.3.4 | Creation of Project Vision and Scope Progression | Progressing the project vision and scope to a more detailed level | **25 days** |  |  |  |  |  |  |
| 4 | 1.3.3.5 | Creation of Statement of Work Progression | Progressing the statement of work to a more detailed level | **25 days** |  |  |  |  |  |  |
| 4 | 1.3.3.6 | Creation of Project Charter Progression | Progressing the project charter to a more detailed level | **25 days** |  |  |  |  |  |  |
| 4 | 1.3.3.7 | Pre-midterm Presentation (Sprint 7) | A presentation of the project's progress and accomplishments before the midterm presentation | **1 day** |  |  |  |  |  |  |
| 3 | 1.3.4 | MCSPROJ Team consultation | Meeting with the project team to discuss progress, issues, and updates. | **2 days** | ₱5,060.50 | ₱5,850.00 | ₱7,950.00 | ₱4,000.00 | ₱4,105.90 |  |
| 4 | 1.3.4.1 | Team meeting with Project adviser | Meeting with the project team and the project adviser to discuss issues and concerns regarding the development of the web application. | **1 day** |  |  |  |  |  |  |
| 4 | 1.3.4.2 | Team meeting with Project Sponsor | Meeting with the project team with the project sponsor to provide updates on project progress and receive feedback on project deliverables. | **1 day** |  |  |  |  |  |  |
| 3 | 1.3.5 | MCSPROJ Midterm Evaluation | An evaluation of the project's progress and accomplishments at the halfway point of the project | **2 days** | ₱5,060.50 | ₱5,850.00 | ₱7,950.00 | ₱4,000.00 | ₱4,105.90 |  |
| 4 | 1.3.5.1 | Submission of Midterm Requirement | Submission of required deliverables at the midterm evaluation | **1 day** |  |  |  |  |  |  |
| 4 | 1.3.5.2 | MCSPROJ Final Presentation (Sprint 8) | A presentation of the final project product, its features, and its benefits | **1 day** |  |  |  |  |  |  |
| 3 | 1.3.6 | MCSPROJ Finals Deliverables | Required deliverables for the final project product, including test cases, quality plans, user acceptance, change management plans, updated final paper, and proofreading endorsement | **49 days** | ₱123,982.25 | ₱143,325.00 | ₱194,775.00 | ₱98,000.00 | ₱100,594.55 |  |
| 4 | 1.3.6.1 | Creation of Test Case | Creation of a set of conditions or variables under which a tester will determine whether an application or software system meets its requirements and works correctly | **49 days** |  |  |  |  |  |  |
| 4 | 1.3.6.2 | Creation of Quality Plan | Creation plan that outlines the quality standards and processes that will be used in the project | **49 days** |  |  |  |  |  |  |
| 4 | 1.3.6.3 | Creation of User Acceptance | Create of a set of tests to confirm that the system satisfies the user's needs and meets the requirements | **49 days** |  |  |  |  |  |  |
| 4 | 1.3.6.4 | Creation of Change Management Plan | Creation that describes how changes to the project will be handled | **49 days** |  |  |  |  |  |  |
| 4 | 1.3.6.5 | Updating MCSPROJ Final Paper | Updating the final project paper to reflect any changes made during the project | **32 days** |  |  |  |  |  |  |
| 4 | 1.3.6.6 | Creation of Proofreading Endorsement | An endorsement that confirms that the final project paper has been reviewed and proofread | **32 days** |  |  |  |  |  |  |
| 3 | 1.3.7 | MCSPROJ Finals Evaluation | The final evaluation of the MCSPROJ project. | **1 day** | ₱2,530.25 | ₱2,925.00 | ₱3,975.00 | ₱2,000.00 | ₱2,052.95 |  |
| 4 | 1.3.7.1 | Submission of MCSPROJ Final Requirements | The final submission of all project requirement/deliverables, including the working system | **1 day** |  |  |  |  |  |  |
| 4 | 1.3.7.2 | MCSPROJ Final Presentation (Sprint 9) | A final presentation of the project product and its benefits to stakeholders. | **1 day** |  |  |  |  |  |  |
| **2** | **1.4** | **IMPLEMENTATION** |  | **461 days** |  |  |  |  |  |  |
| 3 | 1.4.1 | PROJMAN Project Progression | Refers to the overall progress and development of the PROJMAN project. | **1 day** | ₱2,530.25 | ₱2,925.00 | ₱3,975.00 | ₱2,000.00 | ₱2,052.95 |  |
| 4 | 1.4.1.1 | Submission of MCSPROJ Final Documents | Submission of the final documents required for the MCSPROJ | **1 day** |  |  |  |  |  |  |
| 4 | 1.4.1.2 | Request Letter for Adviser/Consultant | Formal request for an adviser or consultant for the PROJMAN project. | **1 day** |  |  |  |  |  |  |
| 3 | 1.4.2 | PROJMAN Week 1-3 | Timeframe for completing the Project Charter, Business Case, Stakeholders Management Strategy Plan | **17 days** | ₱43,014.25 | ₱49,725.00 | ₱67,575.00 | ₱34,000.00 | ₱34,900.15 |  |
| 4 | 1.4.2.1 | Creation of Project Charter | The process of defining the project's purpose, objectives, and stakeholders, and establishing the project's authority | **17 days** |  |  |  |  |  |  |
| 4 | 1.4.2.2 | Creation of Business Case | The process of identifying and analyzing the benefits, costs, and risks associated with a project | **17 days** |  |  |  |  |  |  |
| 4 | 1.4.2.3 | Creation of Stakeholders Management Strategy Plan | The process of identifying, analyzing, and planning the communication and management of stakeholders throughout the project lifecycle | **17 days** |  |  |  |  |  |  |
| 3 | 1.4.3 | PROJMAN Week 4-6 | Timeframe for completing the Scope Management Plan, Cost Management Plan, Time Management Plan, Work Breakdown Structure, and Work Breakdown Packages | **19 days** | ₱48,074.75 | ₱55,575.00 | ₱75,525.00 | ₱38,000.00 | ₱39,006.05 |  |
| 4 | 1.4.3.1 | Creation of Scope Management Plan | The process of defining, documenting, and controlling the project scope, including the deliverables and requirements | **19 days** |  |  |  |  |  |  |
| 4 | 1.4.3.2 | Creation of Cost Management Plan | The process of planning, estimating, and controlling project costs, including budgeting and cost tracking | **19 days** |  |  |  |  |  |  |
| 4 | 1.4.3.3 | Creation of Time Management Plan | The process of defining and sequencing project activities, developing and assigning schedules, and monitoring progress | **19 days** |  |  |  |  |  |  |
| 4 | 1.4.3.4 | Creation of Work Breakdown Structure | A hierarchical breakdown of project deliverables into smaller, manageable components | **19 days** |  |  |  |  |  |  |
| 4 | 1.4.3.5 | Creation of Work Packages based on WBS. | A process of creating smaller, more manageable components from the work breakdown structure | **19 days** |  |  |  |  |  |  |
| 3 | 1.4.4 | System Updates | The process of updating the project's software and hardware, ensuring that it remains up-to-date and functional | **5 days** | ₱12,651.25 | ₱14,625.00 | ₱19,875.00 | ₱10,000.00 | ₱10,264.75 |  |
| 4 | 1.4.4.1 | Testing 1 | A phase of software development where the software is tested for defects, errors, and usability issues | **5 days** |  |  |  |  |  |  |
| 3 | 1.4.5 | PROJMAN Midterm Evaluation | An evaluation of the project's progress and accomplishments at the halfway point of the project | **1 day** | ₱2,530.25 | ₱2,925.00 | ₱3,975.00 | ₱2,000.00 | ₱2,052.95 |  |
| 4 | 1.4.5.1 | Submission of PROJMAN Midterm Requirements | Submission of required deliverables at the midterm evaluation | **1 day** |  |  |  |  |  |  |
| 4 | 1.4.5.2 | PROJMAN Midterm presentation (Sprint 10) | Presentation given during the midterm stage of the PROJMAN project. | **1 day** |  |  |  |  |  |  |
| 3 | 1.4.6 | PROJMAN Week 8-10 | Timeframe for completing the HR Management Plan, Quality Management Plan, Risk Management Plan, Communications Management Plan, and Procurement Management Plan | **18 days** | ₱45,544.50 | ₱52,650.00 | ₱71,550.00 | ₱36,000.00 | ₱36,953.10 |  |
| 4 | 1.4.6.1 | Creation of HR Management Plan | Develop a plan to manage human resources for the project | **18 days** |  |  |  |  |  |  |
| 4 | 1.4.6.2 | Creation of Quality Management Plan | Develop a plan to ensure the quality of project deliverables | **18 days** |  |  |  |  |  |  |
| 4 | 1.4.6.3 | Creation of Risk Management Plan | Develop a plan to identify, assess, and mitigate project risks | **18 days** |  |  |  |  |  |  |
| 4 | 1.4.6.4 | Creation of Communications Management Plan | Develop a plan for project communications, including stakeholders and team members | **18 days** |  |  |  |  |  |  |
| 4 | 1.4.6.5 | Creation of Procurement Management Plan | Develop a plan that outlines the procurement processes and procedures that will be implemented throughout the project. | **18 days** |  |  |  |  |  |  |
| 3 | 1.4.7 | PROJMAN Week 11 | Timeframe for completing the Project Status Reports Distribution Plan, Change Request Documentation, Project Execution Monitoring Report, and Implementation Plan | **18 days** | ₱10,121.00 | ₱11,700.00 | ₱15,900.00 | ₱8,000.00 | ₱8,211.80 |  |
| 4 | 1.4.7.1 | Creation of Project Status Reports Distribution Plan | Develop a plan for the distribution of project status reports to stakeholders and team members | **4 days** |  |  |  |  |  |  |
| 4 | 1.4.7.2 | Creation of Change Request Documentation | Develop a document to manage changes to project scope, schedule, or budget | **4 days** |  |  |  |  |  |  |
| 4 | 1.4.7.3 | Creation of Project Execution Monitoring Report | Develop a report to monitor project progress and identify issues or risks | **4 days** |  |  |  |  |  |  |
| 4 | 1.4.7.4 | Creation of Implementation Plan | Develop a plan for implementing project deliverables and closing out the project | **4 days** |  |  |  |  |  |  |
| 3 | 1.4.8 | PROJMAN Week 12 | Timeframe for completing the Change Management Plan, Project Status Reports, Transition-Out Plan, Project Turn-Over Plan, and Post Project Review Plan | **7 days** | ₱17,711.75 | ₱20,475.00 | ₱27,825.00 | ₱14,000.00 | ₱14,370.65 |  |
| 4 | 1.4.8.1 | Creation of Change Management Plan | Develop a plan to handle changes that may occur during the project to minimize their impact. | **7 days** |  |  |  |  |  |  |
| 4 | 1.4.8.2 | Creation of Project Status Reports | Regularly report on the project's status, including progress, risks, issues, and resource usage. | **7 days** |  |  |  |  |  |  |
| 4 | 1.4.8.3 | Creation of Transition-Out Plan | Develop a plan for transitioning the project's deliverables to the stakeholders. | **7 days** |  |  |  |  |  |  |
| 4 | 1.4.8.4 | Creation of Project Turn-Over Plan | Develop a plan for transferring ownership of the project to the stakeholders | **7 days** |  |  |  |  |  |  |
| 4 | 1.4.8.5 | Creation of Post Project Review Plan | Develop a plan for evaluating the project's performance, identifying lessons learned, and making recommendations for future projects. | **7 days** |  |  |  |  |  |  |
| 3 | 1.4.9 | PROJMAN Week 13 | Timeframe for completing the Consolidated Project Plan | **6 days** | ₱15,181.50 | ₱17,550.00 | ₱23,850.00 | ₱12,000.00 | ₱12,317.70 |  |
| 4 | 1.4.9.1 | Creation of Consolidated Project Plan | Process of integrating all project plans (scope, schedule, cost, quality, etc.) into a single, comprehensive project plan | **6 days** |  |  |  |  |  |  |
| 3 | 1.4.10 | PROJMAN Final Evaluation | Assessment of the project's overall performance and success at completion | **1 day** | ₱2,530.25 | ₱2,925.00 | ₱3,975.00 | ₱2,000.00 | ₱2,052.95 |  |
| 4 | 1.4.10.1 | Submission of PROJMAN Final Requirements | Submission of all final deliverables and requirements as per the project plan | **1 day** |  |  |  |  |  |  |
| 4 | 1.4.10.2 | PROJMAN Final presentation (Sprint 11) | A final presentation of the project product and its benefits to stakeholders. | **1 day** |  |  |  |  |  |  |
| **2** | **1.5** | **TESTING** |  | **3 days** |  |  |  |  |  |  |
| 3 | **1.5.1** | Unit Testing |  |  |  |  |  |  |  |  |
| 4 | **1.5.1.1** | Unit Testing for Release 1 |  |  |  |  |  |  |  |  |
| 4 | **1.5.1.2** | Unit Testing for Release 2 |  |  |  |  |  |  |  |  |
| 4 | **1.5.1.3** | Unit Testing for Release 3 |  |  |  |  |  |  |  |  |
| 3 | **1.5.2** | Users Acceptance Test (UI/UX) |  |  |  |  |  |  |  |  |
| 3 | **1.5.3** | Functional Testing |  |  |  |  |  |  |  |  |
| **2** | **1.6** | **CLOSEOUT** |  | **3 days** |  |  |  |  |  |  |
| 3 | 1.6.1 | System and documentation handover (Sprint 12) | Transfer of the completed system and all relevant documentation to the stakeholders | **1 day** | ₱2,530.25 | ₱2,925.00 | ₱3,975.00 | ₱2,000.00 | ₱2,052.95 |  |
| 4 | 1.6.1.1 | System and documentation handover | Transfer of the completed system and all relevant documentation to the stakeholders | **1 day** |  |  |  |  |  |  |
| 3 | 1.6.2 | Gain Formal Acceptance | Obtaining formal approval and acceptance from the client or end-user that the project has been completed successfully | 1 day | ₱2,530.25 | ₱2,925.00 | ₱3,975.00 | ₱2,000.00 | ₱2,052.95 |  |
| 4 | 1.6.2.1 | Gain Formal Acceptance | Obtaining formal approval and acceptance from the client or end-user that the project has been completed successfully | **1 day** |  |  |  |  |  |  |
| 3 | 1.6.3 | Project close out meeting | Final meeting held to review the project and discuss lessons learned, celebrate successes, and plan for future improvements | **1 day** | ₱2,530.25 | ₱2,925.00 | ₱3,975.00 | ₱2,000.00 | ₱2,052.95 |  |
| 4 | 1.6.3.1 | Project close out meeting | Final meeting held to review the project and discuss lessons learned, celebrate successes, and plan for future improvements | **1 day** |  |  |  |  |  |  |

# Glossary of Terms

Level of Effort: Level of Effort (LOE) is how much work is required to complete a task.

WBS Code: A unique identifier assigned to each element in a Work Breakdown Structure for the purpose of designating the elements’ hierarchical location within the WBS.

Work Package: A Work Package is a deliverable or work component at the lowest level of its WBS branch.

WBS Component: A component of a WBS which is located at any level. It can be a Work Package or a WBS Element as there's no restriction on what a WBS Component is.

WBS Element: A WBS Element is a single WBS component, and its associated attributes are located anywhere within a WBS. A WBS Element can contain work, or it can contain other WBS Elements or Work Packages.

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