**Project Management Plan**

**Generated by:** Requirements Gathering Agent v2.1.3

**Project:** === PROJECT README ===

**Category:** project-charter

**Generated:** 10/06/2025, 02:13:02

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**PMBOK 7th Edition Standards**

Executive Summary

Project Overview

Stakeholder Management Plan

Scope Management Plan

Requirements Management Plan

Schedule Management Plan

Cost Management Plan

Quality Management Plan

Resource Management Plan

Risk Management Plan

Communications Management Plan

Procurement Management Plan

Integration Management Plan

Change Management Plan

Monitoring and Controlling Processes

Validation and Acceptance Criteria

The **Requirements Gathering Agent** project aims to develop a Node.js/TypeScript module that automates the generation of PMBOK-aligned project management documentation using Azure AI. The tool’s ability to produce professional-grade documents, such as project charters, stakeholder registers, and management plans, will streamline project workflows, reduce manual effort, and ensure compliance with PMBOK standards.

Key objectives include:

• Automating the generation of comprehensive PMBOK-compliant documentation.

• Achieving 90% utilization of AI model context for accuracy and completeness.

• Supporting enterprise-ready export formats like Microsoft Word (.docx).

• Providing intuitive CLI tools for seamless user interaction.

**Requirements Gathering Agent**

2.1.3-prerelease

An AI-powered documentation generator for PMBOK-aligned project management documents.

• Deliver a CLI tool that generates PMBOK-compliant project documentation.

• Ensure seamless integration with Azure AI, Google AI, and other providers.

• Provide enterprise-ready export formats for professional use.

• PMBOK-compliant documents (e.g., project charters, stakeholder registers, scope management plans).

• Enhanced AI-powered documentation generation workflows.

• Professional Word (.docx) export functionality.

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| **\*\*Stakeholder Name\*\*** | **\*\*Role\*\*** | **\*\*Interest\*\*** | **\*\*Impact\*\*** | **\*\*Engagement Strategy\*\*** |
| Project Manager | Project oversight | Ensure project delivery | High | Frequent updates via email |
| Developers | Implementation | Access to technical tools | Medium | Weekly progress meetings |
| Product Owners | Requirements review | Alignment with objectives | High | Requirements workshops |
| Compliance Officers | Regulatory oversight | PMBOK compliance validation | High | Deliver compliance reports |
| End Users | Tool usage | Ease of deployment and use | High | Surveys and feedback forms |

• **Stakeholder Register**: Maintain a document of all stakeholders, their roles, and interests.

• **Engagement Strategy**: Conduct regular reviews and workshops to ensure stakeholder alignment.

The project will deliver the following:

• A CLI-based tool for generating PMBOK-compliant project documents.

• Enterprise-ready Word (.docx) export functionality.

• Enhanced AI model context management to optimize document accuracy.

• PMBOK-compliant document generation.

• Integration with Azure AI, Google AI, and GitHub AI.

• CLI-based configuration and execution tools.

• Support for additional languages beyond TypeScript/Node.js.

• Development of PowerPoint (.pptx) export functionality (future milestone).

• Stakeholders will review and approve deliverables at the end of each sprint.

• Acceptance criteria will be validated against PMBOK standards.

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| **\*\*Req. ID\*\*** | **\*\*Description\*\*** | **\*\*Priority\*\*** |
| FR-01 | Generate PMBOK-compliant project documentation. | High |
| FR-02 | Provide CLI tools for seamless execution. | High |
| FR-03 | Support integration with AI providers (Azure, Google AI). | High |
| FR-04 | Ensure compliance with PMBOK 7th edition standards. | High |

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| **\*\*Req. ID\*\*** | **\*\*Description\*\*** | **\*\*Priority\*\*** |
| NFR-01 | Output professional-grade Word documents (.docx). | High |
| NFR-02 | Maintain high context utilization for AI models. | Medium |
| NFR-03 | Provide robust error handling and retry logic. | High |

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| **\*\*Milestone\*\*** | **\*\*Expected Completion\*\*** | **\*\*Dependencies\*\*** |
| Project Kick-Off | Week 1 | Stakeholder engagement |
| Initial Prototype | Week 4 | Architecture design |
| PMBOK Document Suite | Week 8 | Requirements validation |
| Final Release | Week 12 | Testing and feedback |

• **Gantt Chart**: Visualize project timeline.

• **Work Breakdown Structure (WBS)**: Define tasks and deliverables.

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| **\*\*Cost Category\*\*** | **\*\*Amount\*\*** |
| Development Costs | $50,000 |
| AI Provider Integration | $20,000 |
| Testing and Validation | $10,000 |
| Documentation and Training | $5,000 |

Monitor expenditures weekly and compare against the approved budget.

• Ensure PMBOK compliance in all generated documents.

• Validate document accuracy via automated schema checks.

• **Compliance Score**: Documents must achieve ≥90% PMBOK compliance.

• **Error Rate**: <5% errors in generated documentation.

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| **\*\*Role\*\*** | **\*\*Responsibility\*\*** |
| Project Manager | Oversee project execution. |
| Developers | Implement system functionalities. |
| AI Integration Experts | Optimize AI provider integrations. |
| Testers | Validate document outputs and compliance. |

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| **\*\*Risk\*\*** | **\*\*Probability\*\*** | **\*\*Impact\*\*** | **\*\*Mitigation Strategy\*\*** |

| AI Provider Downtime | Medium | High | Implement fallback mechanisms.