**Key Roles and Needs**

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# **Key Roles and Their Needs Analysis**

## **\*\*1. Project Management Roles\*\***

### **\*\*Role: Project Manager\*\***

#### **\*\*Description\*\***

Responsible for overall project planning, execution, monitoring, and delivery while ensuring alignment with PMBOK standards.

#### **\*\*Primary Responsibilities\*\***

• Define project objectives, deliverables, and success criteria.

• Develop and maintain project management plans (scope, risk, cost, quality, communication, etc.).

• Ensure compliance with PMBOK standards and organizational policies.

• Coordinate with stakeholders and team members.

• Monitor progress, manage risks, and resolve issues.

#### **\*\*Key Tasks and Activities\*\***

• Create the project charter and management plans using the Requirements Gathering Agent.

• Validate generated documents to ensure PMBOK compliance.

• Engage stakeholders to review and approve project documentation.

• Track milestones and deliverables.

#### **\*\*Skills and Competencies Required\*\***

• Expertise in project management frameworks (PMBOK, Agile).

• Strong interpersonal and communication skills.

• Risk management and conflict resolution skills.

#### **\*\*Tools and Resources Needed\*\***

• Requirements Gathering Agent CLI.

• PMBOK-compliant document templates and validation tools.

• Project tracking software (e.g., Jira, Trello).

#### **\*\*Information Requirements\*\***

• Stakeholder analysis and engagement plans.

• Detailed scope, requirements, and constraints.

• Risk management strategies and mitigation plans.

#### **\*\*Decision-Making Authority\*\***

• Approval of the project charter and management plans.

• Prioritization of tasks and allocation of resources.

#### **\*\*Interactions with Other Roles\*\***

• Collaborates with business analysts to gather requirements.

• Provides direction to development teams and technical leads.

• Reports to senior stakeholders and executives.

#### **\*\*Success Metrics for the Role\*\***

• Timely delivery of project milestones.

• Stakeholder satisfaction and engagement.

• PMBOK-compliant documentation quality.

#### **\*\*Key Challenges and Pain Points\*\***

• Ensuring cross-document consistency and stakeholder alignment.

• Managing scope creep and conflicting priorities.

• Navigating resistance to AI-driven documentation processes.

## **\*\*2. Development and Technical Roles\*\***

### **\*\*Role: Technical Lead\*\***

#### **\*\*Description\*\***

Oversees technical implementation and ensures alignment with architectural design and project requirements.

#### **\*\*Primary Responsibilities\*\***

• Define and review system architecture and technical constraints.

• Guide development teams on implementing project requirements.

• Ensure scalability, security, and performance of the system.

#### **\*\*Key Tasks and Activities\*\***

• Review architecture documentation generated by the Requirements Gathering Agent.

• Provide technical inputs during requirements validation.

• Manage integration of AI models and APIs into the system.

#### **\*\*Skills and Competencies Required\*\***

• Expertise in system architecture design and TypeScript/Node.js.

• Familiarity with AI APIs (Azure OpenAI, Google AI, etc.).

• Strong problem-solving and debugging skills.

#### **\*\*Tools and Resources Needed\*\***

• Requirements Gathering Agent for generating architecture documentation.

• IDEs (e.g., Visual Studio Code) for development.

• API testing tools (e.g., Postman).

#### **\*\*Information Requirements\*\***

• Detailed functional and non-functional requirements.

• Architecture diagrams and system constraints.

• Technical specifications for integration.

#### **\*\*Decision-Making Authority\*\***

• Approval of technical designs and architecture.

• Selection of AI providers and tools for implementation.

#### **\*\*Interactions with Other Roles\*\***

• Collaborates with project managers to align project scope and technical feasibility.

• Provides support to developers for implementation.

#### **\*\*Success Metrics for the Role\*\***

• Successful integration of AI models and APIs.

• Technical performance and scalability of the system.

• Compliance with architectural and regulatory standards.

#### **\*\*Key Challenges and Pain Points\*\***

• Managing dependencies between AI providers and system architecture.

• Addressing compatibility issues between generated documentation and technical requirements.

## **\*\*3. Business and Stakeholder Roles\*\***

### **\*\*Role: Business Analyst\*\***

#### **\*\*Description\*\***

Responsible for gathering, analyzing, and documenting business requirements to ensure alignment with stakeholder needs.

#### **\*\*Primary Responsibilities\*\***

• Conduct requirements elicitation with stakeholders.

• Create detailed functional and non-functional requirements documentation.

• Validate requirements with stakeholders and technical teams.

#### **\*\*Key Tasks and Activities\*\***

• Use the Requirements Gathering Agent to generate stakeholder analysis and requirements documentation.

• Perform gap analysis between stakeholder needs and system capabilities.

• Collaborate with project managers to define project scope and objectives.

#### **\*\*Skills and Competencies Required\*\***

• Strong analytical and problem-solving skills.

• Expertise in requirements documentation and traceability.

• Stakeholder engagement and communication skills.

#### **\*\*Tools and Resources Needed\*\***

• Requirements Gathering Agent for documentation generation.

• Requirement management tools (e.g., Jama, Confluence).

#### **\*\*Information Requirements\*\***

• Stakeholder register and engagement plan.

• Business case analysis and project scope statement.

#### **\*\*Decision-Making Authority\*\***

• Approval of requirements documentation.

• Recommendations on scope and deliverables to stakeholders.

#### **\*\*Interactions with Other Roles\*\***

• Collaborates with technical teams to validate requirements feasibility.

• Engages stakeholders to ensure their needs are reflected in project deliverables.

#### **\*\*Success Metrics for the Role\*\***

• Accurate and complete requirements documentation.

• Stakeholder satisfaction and alignment with business goals.

#### **\*\*Key Challenges and Pain Points\*\***

• Managing conflicting stakeholder requirements.

• Ensuring traceability between requirements and deliverables.

## **\*\*4. End-User Roles\*\***

### **\*\*Role: End User\*\***

#### **\*\*Description\*\***

Uses the generated PMBOK-compliant documentation to execute project management tasks effectively.

#### **\*\*Primary Responsibilities\*\***

• Review and utilize project management documents for task execution.

• Provide feedback on documentation quality and usability.

#### **\*\*Key Tasks and Activities\*\***

• Access and review generated documentation (e.g., project charter, WBS, stakeholder register).

• Provide input for improving document relevance and clarity.

#### **\*\*Skills and Competencies Required\*\***

• Basic understanding of project management principles.

• Familiarity with PMBOK terminology and standards.

#### **\*\*Tools and Resources Needed\*\***

• Generated PMBOK-compliant documents.

• Access to the Requirements Gathering Agent interface for feedback submission.

#### **\*\*Information Requirements\*\***

• Clear and concise documentation for project execution.

#### **\*\*Decision-Making Authority\*\***

• Provide recommendations for document revisions.

#### **\*\*Interactions with Other Roles\*\***

• Collaborates with project managers and business analysts to ensure documentation usability.

#### **\*\*Success Metrics for the Role\*\***

• Effective use of generated documentation in project tasks.

• Feedback on documentation accuracy and relevance.

#### **\*\*Key Challenges and Pain Points\*\***

• Understanding AI-generated documentation formats.

• Providing actionable feedback for improvement.

## **\*\*5. Support and Maintenance Roles\*\***

### **\*\*Role: Support Specialist\*\***

#### **\*\*Description\*\***

Provides technical and operational support for the Requirements Gathering Agent tool and generated documentation.

#### **\*\*Primary Responsibilities\*\***

• Address user issues related to tool functionality and documentation quality.

• Perform regular maintenance and updates for the system.

#### **\*\*Key Tasks and Activities\*\***

• Troubleshoot issues with document generation and validation features.

• Provide training and guidance on tool usage.

• Monitor tool performance and user satisfaction.

#### **\*\*Skills and Competencies Required\*\***

• Technical troubleshooting and problem-solving skills.

• Understanding of PMBOK standards and AI models.

• Strong communication and training skills.

#### **\*\*Tools and Resources Needed\*\***

• Access to the Requirements Gathering Agent’s logs and configuration files.

• Documentation for troubleshooting and FAQs.

#### **\*\*Information Requirements\*\***

• User feedback and error reports.

• Performance metrics for tool usage.

#### **\*\*Decision-Making Authority\*\***

• Escalate unresolved issues to technical teams.

#### **\*\*Interactions with Other Roles\*\***

• Collaborates with technical leads to resolve tool-related issues.

• Engages with end-users to understand their support needs.

#### **\*\*Success Metrics for the Role\*\***

• Resolution of user issues in a timely manner.

• User satisfaction with tool functionality and support.

#### **\*\*Key Challenges and Pain Points\*\***

• Addressing complex issues requiring technical expertise.

• Balancing support workload with system maintenance.

## **\*\*Conclusion\*\***

The success of the Requirements Gathering Agent project depends on the effective collaboration of these roles, with each role leveraging the system’s capabilities to achieve their objectives. By addressing their needs, providing appropriate tools and resources, and mitigating pain points, the system can deliver maximum value to all stakeholders involved.