

# User Stories

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## User Stories and Requirements

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## User Stories

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### Project Overview

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**Project:** ADPA - Advanced Document Processing & Automation Framework

ADPA (previously Requirements Gathering Agent / RGA) is a modular, standards-compliant Node.js/TypeScript framework enabling AI-powered document generation, project management, and business/data analysis. It features a CLI, REST API, and web admin interface, and supports enterprise standards including BABOK v3, PMBOK 7th Edition, and DMBOK 2.0. Enterprise-focused integrations include Confluence,

SharePoint, Adobe Document Services, and robust compliance/security features.

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## User Story Format

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Each user story follows the format:

*"As a [user type], I want [functionality] so that [benefit]."*

Each story includes acceptance criteria and is prioritized.

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## Epic 1: Standards-Compliant Document Generation

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### US-001: Multi-Standard Document Creation

**As** a business analyst or project manager,

**I want** to generate professional documentation (e.g., project charters, stakeholder analyses, business cases) compliant with BABOK v3, PMBOK 7th Edition, and (in progress) DMBOK 2.0,

**so that** I can efficiently meet regulatory and organizational best practices.

- **Acceptance Criteria:**

- Given I select a document type and framework,  
When I initiate document generation (via CLI, REST API, or web UI),  
Then the system creates a standards-compliant document in my chosen format (Markdown, PDF, JSON, etc.).
- Given I provide required inputs,  
When I use the "generate" command or endpoint,  
Then the output matches the template and includes all required sections.

- **Priority:** High

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## US-002: Multi-Provider AI Support with Failover

**As** a documentation generator,

**I want** the system to support multiple AI providers (OpenAI, Google AI, Copilot, Ollama, Azure OpenAI) with automatic failover,

**so that** I can ensure robust, uninterrupted document generation.

- **Acceptance Criteria:**

- Given I configure multiple AI providers,  
When my primary provider is unavailable,  
Then the system automatically switches to another available provider.
- Given I have credentials for several providers,  
When I initiate a generation,  
Then the system selects the optimal or available provider without manual intervention.

- **Priority:** High

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## US-003: Intelligent Context Management

**As** a user,

**I want** the AI engine to inject relevant project context and prior outputs into document generation,

**so that** generated documents reflect current project state and requirements.

- **Acceptance Criteria:**

- Given relevant project data exists,  
When I generate a new document,  
Then the system incorporates existing context and dependencies intelligently.

- **Priority:** High

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## US-004: Automated End-to-End Workflows

**As** a project manager,

**I want** to trigger automated pipelines for multi-step document generation and publishing,

**so that** I can save time and reduce manual errors.

- **Acceptance Criteria:**

- Given I define a pipeline (e.g., generate → convert → publish),  
When I trigger the workflow,  
Then all steps complete in sequence with status feedback and error handling.

- **Priority:** High

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## Epic 2: Enterprise Integration & Publishing

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### US-005: Confluence Publishing

**As** a user,

**I want** to publish generated documents directly to Atlassian Confluence,

**so that** my team can access and collaborate on project documentation in a familiar environment.

- **Acceptance Criteria:**

- Given valid Confluence credentials,  
When I run the publish command or API call,  
Then my document appears in the specified Confluence space with correct formatting.

- **Priority:** Medium

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### US-006: SharePoint Integration

**As** a user,

**I want** to upload generated documents to Microsoft SharePoint with metadata and version control,

**so that** document management and compliance are maintained.

- **Acceptance Criteria:**

- Given SharePoint integration is configured,  
When I publish a document,  
Then it is saved to the correct library/folder with metadata and version history.

- **Priority:** Medium

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## US-007: Adobe Document Services Integration

**As** a documentation specialist,

**I want** to generate high-fidelity PDFs and leverage Adobe Creative APIs for visual enhancements,

**so that** my deliverables are professional and branded.

- **Acceptance Criteria:**

- Given Adobe API credentials,  
When I generate a PDF or enhanced document,  
Then the output uses InDesign layouts, Illustrator charts, and/or Photoshop processing as configured.

- **Priority:** Medium

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## US-008: Version Control Integration

**As** a project team member,

**I want** to commit and push generated documents directly to GitHub, GitLab, or Azure DevOps,

**so that** all documentation changes are tracked with standard version control.

- **Acceptance Criteria:**

- Given VCS credentials and configuration,  
When I invoke the version control integration,  
Then the new or updated documents are committed and  
pushed to the remote repository with appropriate commit  
messages.

- **Priority:** Low

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## **Epic 3: User Experience & Usability**

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### **US-009: Multi-Interface Access (CLI, API, Web)**

**As** a user,

**I want** to interact with the system via CLI, REST API, or web admin interface,

**so that** I can choose the most suitable mode for my workflow.

- **Acceptance Criteria:**

- Given I have installed the application,  
When I use any interface,  
Then all core features are accessible and consistent across  
modes.

- **Priority:** High

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### **US-010: Interactive AI Provider Selection**

**As** a user,

**I want** to select my preferred AI provider via an interactive menu,

**so that** I can easily switch or configure providers without editing environment files.

- **Acceptance Criteria:**

- Given multiple providers are available,  
When I launch the app or use the selection menu,  
Then I can choose and validate a provider interactively.

- **Priority:** Medium
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## US-011: Template Management

**As** a user or admin,

**I want** to view, create, edit, and manage document templates,

**so that** I can standardize and reuse documentation frameworks across projects.

- **Acceptance Criteria:**

- Given admin access,  
When I create or modify a template,  
Then it is available for all users and frameworks.

- **Priority:** Medium
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## US-012: Real-Time Collaboration (Future Roadmap)

**As** a team,

**I want** to collaboratively edit documents in real time with change tracking and merge support,

**so that** multiple stakeholders can contribute efficiently.

- **Acceptance Criteria:**

- Given a collaborative session,  
When users edit a document concurrently,  
Then changes are merged, attributed, and conflicts resolved as per enterprise standards.

- **Priority:** Low (Planned for Q3 2025)
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## Epic 4: Compliance, Security, and Administration

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### US-013: Enterprise Authentication & Authorization

**As** an enterprise admin,

**I want** to integrate with SSO (Active Directory, SAML, OAuth2),

**so that** user access is secure and compliant with organizational policies.

- **Acceptance Criteria:**

- Given SSO integration is configured,  
When a user signs in,  
Then authentication and role assignment follow enterprise security requirements.

- **Priority:** High

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### US-014: Regulatory Compliance Reporting

**As** a compliance officer,

**I want** the system to enforce and report on regulatory standards (Basel III, MiFID II, GDPR, SOX, etc.),

**so that** our documentation and processes meet legal and industry mandates.

- **Acceptance Criteria:**

- Given compliance settings,  
When I generate or review reports,  
Then the system highlights compliance status and deviations.

- **Priority:** Medium

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### US-015: Usage Analytics and Monitoring



**As** an administrator,  
**I want** to monitor system usage, performance, and audit logs via dashboards,  
**so that** I can track adoption, optimize resources, and ensure accountability.

- **Acceptance Criteria:**

- Given admin privileges,  
When I access analytics,  
Then I see real-time and historical metrics on document generation, user activity, and system health.

- **Priority:** Medium

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## Acceptance Criteria Framework

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For each user story:

- **Given** initial context (user state, configuration, etc.)
  - **When** the user performs an action (command, API call, UI interaction)
  - **Then** the expected outcome is delivered (document, feedback, integration, etc.)
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## Priority Classification

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- **High Priority:** Core generation, multi-provider AI, context management, authentication, multi-interface access
  - **Medium Priority:** Integrations (Confluence, SharePoint, Adobe), compliance, analytics, template management, provider selection
  - **Low Priority:** Version control, advanced workflows, real-time collaboration (future)
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## Dependencies and Assumptions

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- User stories assume basic internet connectivity and enterprise infrastructure (where relevant)
  - Stories involving integrations assume required credentials and permissions are configured
  - Technical implementation details (error handling, performance optimization, etc.) are managed in design/specs
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## Definition of Done

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A user story is complete when:

- Functionality is implemented and tested (unit/integration as needed)
  - All acceptance criteria are satisfied
  - Code is peer-reviewed and merged
  - Documentation (user/admin/technical) is updated accordingly
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## Practical Guidance

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- **For project teams:** Use the CLI for quick generation, the API for integration with other tools, and the web admin for managing templates and monitoring.
  - **For administrators:** Ensure integrations (e.g., AI providers, Confluence, SharePoint, Adobe) are configured early; review analytics for adoption.
  - **For enterprise adoption:** Leverage compliance and SSO features for rapid scaling; customize templates to align with your organization's standards.
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**Note:** This user story set is tailored to ADPA's unique blend of AI-powered, standards-driven, and enterprise-ready automation, supporting

both individual professionals and large organizations in digital transformation and regulatory compliance.

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