

# GENERIC SOFTWARE APPLICATION REQUIREMENTS

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This document contains sample requirements for demonstration purposes only. The content is entirely fictional and for testing PDF parsing capabilities.

## Application Requirements:

ID : APP-001

Object Type : User Interface

The application shall display a welcome message when the user first opens the program. The message shall include the current date and time in a readable format for user convenience.

Source : SYS-100

Verification Method : Demo

Compliance : C

Subsystem Allocation : Frontend Module

Justification & Comments : This feature helps orient new users and provides immediate feedback that the application has loaded successfully. The welcome message should be dismissible after 3 seconds.

Compliance Comment : Requirement fully implemented and tested across multiple browser versions.

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ID : APP-002

Object Type : Data Processing

The system shall process uploaded text files and count the number of words, characters, and paragraphs within 5 seconds for files up to 1MB in size.

Source : SYS-200

Verification Method : Test

Compliance : PC

Subsystem Allocation : Processing Engine

Justification & Comments : File processing speed is important for user experience. Larger files may require background processing to prevent UI blocking and maintain responsiveness.

Compliance Comment : Partial compliance achieved for files under 500KB. Optimization needed for larger files.

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ID : APP-003

Object Type : Configuration

Users shall be able to customize color themes through a settings panel with at least three predefined options: light, dark, and high contrast modes.

Source : APP-001

Verification Method : Review

Compliance : C

Subsystem Allocation : Settings Component

**Justification & Comments :** Theme customization improves accessibility and user satisfaction. Each theme must maintain proper contrast ratios and readability standards.

**Compliance Comment :** All three themes implemented and validated against accessibility guidelines.

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ID : APP-004

Object Type : Storage

The application shall automatically save user preferences locally and restore them when the application is restarted.

Source : APP-003

Verification Method : Test

Compliance : NC

Subsystem Allocation : Storage Manager

**Justification & Comments :** Automatic preference saving reduces user frustration from having to reconfigure settings. Local storage ensures privacy and offline functionality.

**Compliance Comment :** Non-compliance due to browser compatibility issues with older versions. Fallback mechanism required for legacy browsers.

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ID : APP-005

Object Type : Error Handling

The application shall display user-friendly error messages when invalid input is detected, including guidance on how to correct the issue.

Source : SYS-300

Verification Method : Test

Compliance : C

Subsystem Allocation : Validation Module

**Justification & Comments :** Clear error messages improve user experience and reduce support requests. Each error should specify the problem and suggest a solution.

**Compliance Comment :** Comprehensive error handling implemented with user testing validation. Error messages reviewed for clarity.

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ID : APP-006

Object Type : Performance

The application shall respond to user interactions within 200 milliseconds under normal operating conditions.

Source : SYS-200

Verification Method : Test

Compliance : PC

Subsystem Allocation : Performance Optimization Team

**Justification & Comments :** Response time is critical for perceived application responsiveness. Load testing should verify performance under various conditions.

**Compliance Comment :** Partial compliance achieved. Performance meets requirements for moderate loads. Further optimization needed for peak usage.

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ID : APP-007

Object Type : Logging

The application shall log all user authentication attempts, file operations, and system errors with timestamp and user identification.

Source : SYS-400

Verification Method : Inspection

Compliance : C

Subsystem Allocation : Logging Service

Justification & Comments : Comprehensive logging is essential for security auditing and troubleshooting. Logs must be tamper-proof and retained for 90 days.

Compliance Comment : Logging framework fully implemented with rotation policies and secure storage. Audit trail verified by security team.

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ID : APP-008

Object Type : Accessibility

The application shall be compliant with WCAG 2.1 Level AA accessibility standards including keyboard navigation.

Source : APP-001

Verification Method : Review

Compliance : PC

Subsystem Allocation : Frontend Module

Justification & Comments : Accessibility compliance ensures usability by people with disabilities and meets regulatory requirements in many jurisdictions.

Compliance Comment : Partial compliance. Keyboard navigation fully implemented. Screen reader support needs improvement in data tables.