**Release Note Template with Hardware Requirements**

Title: [Product Name] [Version Number] Release Notes

Date: [Release Date]

Introduction:

Brief introduction to the new version and its highlights. Mention any major themes or goals of this release.

New Features:

[Feature Name]: A brief description of the feature and its benefits to the user.

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Enhancements:

[Enhancement Name]: Describe the enhancement and how it improves existing functionality.

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Bug Fixes:

[Bug Fix Description]: A brief explanation of the issue and how it was resolved.

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Known Issues:

[Issue Description]: Briefly describe any known issues that are still pending resolution.

System Requirements:

List any changes in system requirements including new supported platforms or deprecated features.

CPU Requirements: Specific changes in CPU requirements (if any).

Memory Requirements: Specific changes in memory requirements (if any).

Hardware Requirements:

CPU: Detailed specification if there's an upgrade or change in the CPU requirements.

Memory: Detailed specification if there's an upgrade or change in the memory requirements.

Mention any other hardware component upgrades or requirements.

Acknowledgments:

Thank your users, contributors, and any others who made the release possible.

How to Upgrade:

Provide detailed instructions or a link to instructions on how to upgrade to the new version.

How to Rollback:

Provide detailed instructions or a link to instructions on how to rollback to previous version

**Developer Pre-Release Checklist Template**

Code Quality and Functionality:

Code Review Completed: Ensure all new code has been reviewed by at least one other developer to catch potential issues early.

Unit Tests Passed: Confirm that all unit tests pass and provide adequate coverage of new features and bug fixes.

Integration Testing Done: Verify that integration tests have been conducted to ensure different parts of the application work together seamlessly.

Performance Benchmarks Met: Check that the application meets performance benchmarks, including load times and responsiveness.

Security Audit Performed: Perform a security audit to identify and fix potential vulnerabilities.

Documentation and Usability:

User Documentation Updated: Update user manuals, FAQs, and help sections to reflect any changes or new features.

API Documentation Updated: If applicable, ensure API documentation is current and accurate.

UI/UX Review Completed: Conduct a final review of the user interface and experience to ensure it is intuitive and consistent with previous versions (if necessary).

Compatibility and Requirements:

Cross-Platform Compatibility Checked: Ensure the software functions correctly across all supported platforms and devices.

System Requirements Verified: Confirm any changes in system requirements, such as OS versions, CPU, and memory, are clearly documented.

Upgrade Path Tested: Test the upgrade process from various previous versions to the new release to ensure it is smooth and error-free.

Final Preparations:

Beta Testing Feedback Incorporated: If a beta testing phase was conducted, make sure all relevant feedback has been considered and addressed.

Known Issues Documented: List any known issues or limitations in the release notes, including workarounds if available.

Release Notes Finalized: Ensure the release notes are comprehensive, including new features, enhancements, bug fixes, system requirements, and hardware requirements.

Backup and Rollback Plan Ready: Confirm that there is a plan in place to backup current systems and rollback the update if necessary.

Deployment:

Deployment Plan Reviewed: Review the deployment plan with the team, ensuring everyone knows their roles and responsibilities.

Support Team Briefed: Make sure the support team is aware of all changes in the new version to assist users effectively.