**Park Station Manufacturing**

# Software Design Template

Version 1.0

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## Document Revision History

| Version | Date | Author | Comments |
| --- | --- | --- | --- |
| 1.0 | 05/13/2024 | Ronald WIlliams | <Brief description of changes in this revision> |

Instructions: Fill in all bracketed information on page one (the cover page), in the Document Revision History table, in the footer, and below each header. Under each header, remove the bracketed prompt and write your own paragraph response covering the indicated information.

## Executive Summary

Park Station Manufacturing, a company focused on producing high-quality video clips for training and educational purposes, needs to utilize video editing software available exclusively on Mac systems. Currently, the company operates exclusively on Windows, presenting a challenge in integrating Mac systems without disrupting existing operations.

## Requirements

1. Acquire and utilize high-quality video editing software available only on Mac.
2. Integrate new Mac systems into the existing Windows-based environment.
3. Ensure minimal disruption to current business operations during the transition.
4. Provide training and support to employees for using the new systems and software.

## Design Constraints

1. **Hardware Acquisition and Integration**
   * **Constraint Type:** Business/Technical
   * **Explanation:** Park Station Manufacturing will need to purchase Mac computers to run the required video editing software. These Macs must be integrated into the current Windows-based IT infrastructure.
   * **Rationale:** This addresses the requirement to use the best available software for video editing, which is exclusive to Mac. The integration ensures that the new hardware can communicate effectively with existing systems.
2. **Cross-Platform File Sharing and Collaboration**
   * **Constraint Type:** Technical
   * **Explanation:** Implement a robust file-sharing and collaboration system that facilitates seamless interaction between Mac and Windows environments. Options include cloud storage solutions like Google Drive or Dropbox, or configuring a hybrid network setup that supports both operating systems.
   * **Rationale:** This ensures employees can share files and collaborate effectively across different platforms, maintaining productivity and workflow continuity.
3. **Training and Support**
   * **Constraint Type:** Business
   * **Explanation:** Provide comprehensive training for employees on how to use Mac systems and the new video editing software. Additionally, establish ongoing support mechanisms to assist with any issues and ensure smooth operation.
   * **Rationale:** Proper training and continuous support are crucial for a smooth transition, ensuring employees are proficient with the new tools and minimizing disruptions to business operations.

## Rationale

*The proposed solutions address Park Station Manufacturing's needs by ensuring the integration of Mac systems into their existing Windows environment without disrupting operations. By providing the necessary hardware, facilitating cross-platform collaboration, and offering comprehensive training and support, the company can successfully produce high-quality training videos.*