

MODULE TWO– Assignment

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# Chada Tech

Software Design

Version 1.0

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## Document Revision History

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## Executive Summary

The client, a manufacturing company, seeks to produce high-quality video clips for training and educational purposes. They require video editing software that is exclusively available on Mac systems. However, their current infrastructure is entirely based on Windows.

## Requirements

High-Quality Video Editing Software: The client necessitates software available only on Mac to produce professional-grade video content (Popular Photography, 2023).

Mac Integration: The client must incorporate Mac systems into their existing Windows-based infrastructure.

Training and Educational Content: The video clips should be tailored for training and educational purposes.

## Design Constraints

Hardware Compatibility: The introduction of Mac hardware into a predominantly Windows environment.

Software Licensing: Ensuring the acquisition and effective management of video editing software licenses.

System Integration: Achieving seamless integration of Mac systems with the existing Windows network and workflows.

## Rationale

Hardware Compatibility: The requirement for high-quality video editing software necessitates the use of Mac hardware, presenting a constraint on hardware compatibility. This involves ensuring that Macs can be integrated into the existing Windows infrastructure without causing disruptions.

Software Licensing: The necessity for specific video editing software on Mac mandates the acquisition and management of appropriate licenses (Morgan, 2024). This constraint ensures compliance with software licensing agreements and avoids legal issues.

System Integration: Integrating Mac systems into a Windows-based environment requires meticulous planning to ensure compatibility and seamless operation (Muchmore, 2024). This constraint addresses the technical challenges of maintaining a cohesive IT environment with mixed operating systems.

## References:

Muchmore, M. (2024, July 3). The best video editing software for Macs in 2024. PCMag. Retrieved from <https://www.pcmag.com/picks/best-video-editing-software-for-macs>

Morgan, D. (2024, March 8). 15 best video editing software for Macs you must try (2024). CyberLink. Retrieved from <https://www.cyberlink.com/blog/the-top-video-editors/92/best-video-editor-mac>

Popular Photography. (2023). Best video editing software for Macs of 2023. Retrieved from <https://www.popphoto.com/gear-reviews/best-video-editing-software-for-macs/>