Park Station Manufacturing

# Software Design Template

Version 1.0

## Table of Contents

[Software Design Template 1](#_Toc21086455)

[Table of Contents 2](#_Toc21086456)

[Document Revision History 2](#_Toc21086457)

[Executive Summary 3](#_Toc21086458)

[Requirements 3](#_Toc21086459)

[Design Constraints 3](#_Toc21086459)

[Rationale 3](#_Toc21086460)

## Document Revision History

| Version | Date | Author | Comments |
| --- | --- | --- | --- |
| 1.0 | 09/09/2022 | David Vega | Initial release |

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

*Our client Park Station Manufacturing is seeking to produce video clips to train customers how to use their products. They are exclusively a Windows based company. The client would like to utilize desktop publishing software that is exclusive to Mac OS because of its high-quality video editing software.*

## Requirements

*Business Requirements*

* *Produce high quality videos*
* *Platform for video distribution and/or consumption*

*Technical Requirements*

* *High quality video editing software (Adobe, Corel, etc.)*
* *Mac hardware (Laptop, Desktop)*

## Design Constraints

Considering the needs of the client, the following items have been identified as potential constraints.

* *Utilization of high-quality desktop publishing software that is exclusive to Mac operating system in a Windows eco-system.*
* *Purchase of Mac hardware (i.e. – Laptop, Desktop)*
* Budgetary restrictions
* Hosting video content vs. embedded videos.

## Rationale

*Park Station Manufacturing has expressed an interest in utilizing software that is compatible with Mac OS only. To achieve this the client would need to purchase Mac hardware.*

*Mac laptops and desktop computers are expensive for base models with the starting storage capacity of 256GB. Both base models for iMac and MacBook Pro start at $1299.*

*There is value in the Mac systems for the intended use but in addition to purchasing the hardware and software, there is also the issue of training user(s) on Mac systems. There is a slight learning curve with Mac systems as the overall user experience tends to be different than that of a Windows user. Graphics aside, there are noticeable differences between the two such as hotkeys, gestures, file system and browsers.*

*While in my professional opinion Macs will produce high quality graphics, if budget is a concern, then it might be wise to find Windows compatible software. Adobe software, specifically the creative cloud suite of apps is a cloud-based software that is commonly used in the graphics, web design, and video production industries. This software is robust and is one of the most popular suite of apps in the digital design space. This software is available on both Windows and MacOS.*

*In addition to the costly hardware and software with the implementation of a Mac system, there is the impact on performance for self-hosted videos vs. embedded videos. Self-hosted videos can certainly impact performance on a website by using bandwidth, but embedded videos will be hosted on other servers making it a much more performance friendly and viable option for deploying these videos to the client website. The recommended platform to use for cataloging videos would be YouTube and the client can then embed them with ease to their website without impacting performance.*