Park Station Manufacturing

# Software Design Template

Version 1.0

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CS 230: Operating Platforms

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## Document Revision History

| Version | Date | Author | Comments |
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| 1.0 | 09/15/2024 | Emerald Tresch | Initial Release of Park Station Manufacturing Software Design |

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

To start producing video clips showing how customers can use their products for training and educational purposes, Park Station Manufacturing wants to use high-quality video editing software that is only available for Mac. However, this is currently out of their capabilities since Park Station Manufacturing (PSM) runs exclusively on Windows.

## 

## Requirements

PSM needs an application equivalent to the high-quality video editing software only available for Mac that will work on Windows. This video editing software will be used to start producing video clips showing how customers can use their products for training and educational purposes.

## Design Constraints

1. The program needs to be comparable to the Mac video editing system while working on Windows. Windows has fewer desktop publishing capabilities.
2. The new video editing system must differ from the Mac one.
3. While not explicitly stated, Cost and Time should be considered while developing a new program.

## Rationale

Creating a new video editing program would be more cost-effective than overhauling and changing the computers currently used within the company. Due to Windows' limited desktop capabilities, PSM’s new video editing program must be able to take advantage of and improve upon Windows’ standard desktop capabilities. The program must also be different enough from the original to not infringe on any copyrights Mac may have on the video editing program. The first design constraint stated in the Design Constraints section is a technical constraint; the second is a mixture of business and technical constraints; and the third is a business constraint.