**Functional Specifications**



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| --- | --- |
| **Problem Log Number** | [Type Problem Log Number] |
| **Title** | [Type Project Name or Problem Log Title] |
| **System** | [Enter the System] |
| **Subsystem / Area** | [Enter the Subsystem or Area within the above System] |


# INTRODUCTION

## Purpose and Scope

[State purpose of this FS document and its audience. Write a paragraph or two on what the project / application is all about, what is being asked for, who will use it, and what benefit will be gained by completing it.]

## General Constraints

[Provide a general description of any other items that will limit the developer's option for designing the software.]

Provide a general description of any other items that will limit the developer's option for designing the software, such as: Regulatory policies, Hardware limitations, Interfaces to other applications, including existing ones, Safety or security considerations. Section should provide the general reasons why specific requirements are imposed later in the document.

## Assumptions and Dependencies

[List any assumptions and dependencies that impact the requirements.]

To implement any portion of this log, the college should be up to date on existing ports and any subsequent related problem log changes.

## Glossary of Terms

[Define terms, acronyms, and abbreviations used in the document.]

## Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change Description** |
| 1.0 |  |  | Document created |
|  |  |  |  |
|  |  |  |  |


# FUNCTIONAL REQUIREMENTS

## [Function 1]

### Description

[Summarize what it does and its purpose with respect to the product/system customer-level requirements.]

### Processing

[Specify the inputs, processing, and outputs of this function.]

Input: What inputs will be accepted, in what format the inputs arrive, sources for the inputs, and other input characteristics. Include range of valid inputs.

Processing: The processing steps to be performed, algorithms, formulas, or techniques to be used. Business rules. Software implementation details are not included, however.

Output: Desired outcomes such as the output form (e.g. report layout), the destination of the output, output volume and timing, error handling procedures, and units of measure.

### Exception Handling

[Specify Exception handling within the function. Include response to abnormal conditions. Describe situations when exceptions can occur, and the exception handling process they should trigger.]

### Additional Information

[Include anything else relevant to this function (e.g. security, help, diagrams, printing, boundary conditions, dependencies, constraints, interfaces, performance, data volume/load, expandability, customization requirements, configuration, etc).]

## [Function n]

### Description

[Summarize what it does and its purpose with respect to the product/system customer-level requirements.]

### Processing

[Specify the inputs, processing, and outputs of this function.]

Input: What inputs will be accepted, in what format the inputs arrive, sources for the inputs, and other input characteristics. Include range of valid inputs.

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