

System Design Document

<Project Name>

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# List of Figures

# Introduction

<Provide an overview of the system and some additional information to place the system in context.>

## Purpose of Document

<Provide an overall description of the SDD, its purpose. Reference the system name and identifying information about the system to be implemented.>

## Document Scope

<Discuss the scope of the document and how it accomplishes its purpose.>

### In-Scope

<Describe the in scope>

### Out-of-Scope

<Describe the out of scope>

### Assumptions

<State the assumptions that the system should be based on. Assumptions are the fundamental conditions that must hold for the project to succeed>

## Methodology, Tools, and Approach

<List and describe the methodology, tools, and technique use.>

## Acronyms and Abbreviations

<The following acronyms and abbreviations will apply to this document>

|  |  |
| --- | --- |
| GUI | Graphical User Interface |
| SDD | System Design Document |

# Design Overview

## Background Information

<Describe the background information>

## System Evolution Description

<Describe the modification >

## Required Environment

<List the proposed and/or required managed environments >

|  |  |
| --- | --- |
| Product/Solution | Environment |
| CAVIS II | - Production  - Development (Temporary i.e. loan server) |
|  |  |
|  |  |

## Constraints

<Describe any global limitations or constraints that have a significant impact on the design of the system's software (and describe the associated impact). Such constraints may be imposed by any of the following (the list is not exhaustive):

* Hardware or software environment
* End-user environment
* Availability or volatility of resources
* Standards compliance
* Interoperability requirements
* Interface/protocol requirements
* Data repository and distribution requirements
* Security requirements (or other such regulations)
* Memory and other capacity limitations
* Performance requirements
* Network communications
* Verification and validation requirements (testing)
* Other means of addressing quality goals
* Other requirements described in the requirements specification >

## Design Trade-offs

<Describe the trade-offs>

# Logical Architecture

## Hardware Architecture

<Describe the hardware architecture>

## Application Architecture

<Describe the software architecture>

## Communication Architecture

<Describe the communication architecture>

# Physical Architecture

<Describe the network architecture>

# Data Model

## Database Management System Files

<Database Management System Files diagram and description>

## Non-Database Management System Files

<Non-Database Management System Files diagram and description>

# Detailed Design

## Hardware Detailed Design

<Describe the detailed design>

## Application Detailed Design

<Describe the software detailed design>

## Communication Detailed Design

<Describe the communication detailed design>

# External Interface Design

## Interface Architecture

<Describe the interface architecture>

## Interface Detailed Design

<Describe the interface detailed design>

# Graphical User Interface (GUI)

## Interface Design Rules

<Describe the interface design rules>

## Inputs

<List of inputs>

## Outputs

<List of outputs>

## Navigation Hierarchy

### Screen [x.1]

<Screen design>

### Screen [x.2]

<Screen design>

# System Integrity Controls

<Describe the system integrity controls>

# Appendix

<List of requirements traceability matrix, glossary of terms, etc>