

System Design Document

<Project Name>

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**Table of Contents**

[List of Tables 7](#_Toc287863392)

[List of Figures 8](#_Toc287863393)

[1 Introduction 9](#_Toc287863394)

[1.1 Purpose of Document 9](#_Toc287863395)

[1.2 Document Scope 9](#_Toc287863396)

[1.2.1 In-Scope 9](#_Toc287863397)

[1.2.2 Out-of-Scope 9](#_Toc287863398)

[1.2.3 Assumptions 9](#_Toc287863399)

[1.3 Methodology, Tools, and Approach 9](#_Toc287863400)

[1.4 Acronyms and Abbreviations 9](#_Toc287863401)

[2 Design Overview 10](#_Toc287863402)

[2.1 Background Information 10](#_Toc287863403)

[2.2 System Evolution Description 10](#_Toc287863404)

[2.3 Required Environment 10](#_Toc287863405)

[2.4 Constraints 10](#_Toc287863406)

[2.5 Design Trade-offs 11](#_Toc287863407)

[3 Logical Architecture 11](#_Toc287863408)

[3.1 Hardware Architecture 11](#_Toc287863409)

[3.2 Application Architecture 11](#_Toc287863410)

[3.3 Communication Architecture 11](#_Toc287863411)

[4 Physical Architecture 11](#_Toc287863412)

[5 Data Model 12](#_Toc287863413)

[5.1 Database Management System Files 12](#_Toc287863414)

[5.2 Non-Database Management System Files 12](#_Toc287863415)

[6 Detailed Design 12](#_Toc287863416)

[6.1 Hardware Detailed Design 12](#_Toc287863417)

[6.2 Application Detailed Design 12](#_Toc287863418)

[6.3 Communication Detailed Design 12](#_Toc287863419)

[7 External Interface Design 12](#_Toc287863420)

[7.1 Interface Architecture 12](#_Toc287863421)

[7.2 Interface Detailed Design 12](#_Toc287863422)

[8 Graphical User Interface (GUI) 13](#_Toc287863423)

[8.1 Interface Design Rules 13](#_Toc287863424)

[8.2 Inputs 13](#_Toc287863425)

[8.3 Outputs 13](#_Toc287863426)

[8.4 Navigation Hierarchy 13](#_Toc287863427)

[8.4.1 Screen [x.1] 13](#_Toc287863428)

[8.4.2 Screen [x.2] 13](#_Toc287863429)

[9 System Integrity Controls 13](#_Toc287863430)

[Appendix 14](#_Toc287863431)

# List of Tables

# 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>