System Operations
Concept Specification
Document
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Abstract

The System and Operations Concept Specification document describes the concept for the software system to be developed. It describes the general vision and mission for the system as well as typical users and usage concepts and scenarios. As a precursor to the Requirements Specification, this document provides customers and system designers with the opportunity to describe the objectives, environment, need and expected benefits of developing the new system.
1. Introduction

1.1. Purpose and Scope

- This section can be expanded with additional information from what exists in the Project Management Plan.

1.2. Background

- This section can be copied or expanded from what exists in the Project Management Plan.

2. <Project Name> Description

2.1. Purpose and Objectives

- This section can be copied or expanded from what exists in the Project Management Plan.

2.2. Assumptions

- Describe any assumptions about the environment, usage of the system, purpose or intent of the system or its capabilities and any other project assumptions of either a management or technical nature.

3. <Project Name> Interfaces and Supporting Elements

3.1. External Elements

- Describe any external influences, elements, policies (such as security policies) or other factors external to the system or project.

3.2. Internal Elements

- Describe any internal influences, elements, policies (such as security policies) or other factors internal to the system or project.
4. **<Project Name> Operations**

4.1 **Introduction**

This section describes the concept, vision, mission and description of the system, including its nature, use, and anticipated benefits.

4.2 **Present Operations Concept**

- *Legacy system or manual system*

4.3 **<Project Name> Operations Concept**

4.3.1 **Features**

- *Describe any key features, functions or capabilities that the new system is expected to have, might have or that would potentially be useful or beneficial to include in the overall concept of the system.*

4.3.2 **Architecture**

- *Describe the general architecture, e.g. client-server, batch-processing system, web-based, stand-alone, etc. Describe the major components of the system architecture, database, and communications mechanisms, security characteristics that impact operations and access.*

4.3.3 **<Major Feature/Function Descriptions – repeat this section as necessary>**

- *Provide a more detailed description of the key features, functions and capabilities of the system and how they would operate together, how the users would interact with these features, etc.*

5. **Operations Scenarios**

5.1 **Introduction**

This section describes the major uses, scenarios and applicability of the system to the drug court. Whereas the function descriptions above describe what features or functions the system would provide, this section describes how these features and functions would be utilized in various use-scenarios.
5.2 Usage Scenario <#1>: <Scenario Name>

- Describe a situation or need that a user would have for the system and what capability they or interaction they would expect the system to provide.

5.2.1 Sequence of Events

- Describe the major interactions that the user would have with the system or events that would occur as a result of the user’s interaction with the system in the scenario being described.

5.2.2 Tools

- List any editors, graphics tools, or other software or hardware that would be required other than the software application being developed to complete or carry out the interaction or scenario being described (e.g. a file upload utility might be required for a user to upload photographs to be stored in a database being controlled by the application).

5.2.3 Database Schema

- Describe the key database entities or components that the user would interact with or that the system would utilize in carrying out the steps described in this scenario.

5.2.4 Data Dictionary

- Describe the key data fields, records or structures that would be required of the database to carry out this scenario.

5.3 Usage Scenario <#2>: <Scenario Name>

5.4 Usage Scenario <#3>: <Scenario Name>
6. Recovery Scenarios

6.1 Introduction

This section describes exceptional uses and circumstances and how the system features and functions would be recovered or restored in various adverse scenarios.

6.2 Recovery Scenario <#1>: <Scenario Name>

6.3 Recovery Scenario <#2>: <Scenario Name>

6.4 Recovery Scenario <#3>: <Scenario Name>