**Judicial Case Management Project**

Software Requirements Specification

Version <1.0>

Revision History

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# Introduction

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, scope, definitions, acronyms, abbreviations, references and overview of the SRS. The aim of this document is to gather and analyze and give an in-depth insight of the complete **Judicial Case Management software system** by defining the problem statement in detail. Nevertheless, it also concentrates on the capabilities required by users and their needs while defining high-level product features. The detailed requirements of the **Judicial Case Management system** are provided in this document.

## Purpose

The purpose of the document is to collect and analyze all assorted ideas that have come up to define the system, its requirements with respect to consumers. Also, we shall predict and sort out how we hope this product will be used in order to gain a better understanding of the project, outline concepts that may be developed later, and document ideas that are being considered, but may be discarded as the product develops.

In short, the purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. This document describes the project's target audience and its user interface, hardware and software requirements. It defines how our client, team and audience see the product and its functionality. Nonetheless, it helps any designer and developer to assist in software delivery lifecycle (SDLC) processes.

## Scope

Primarily, the scope pertains to develop an application regarding law and order. It focuses on the lawyers and users who doesn't know about certain laws and doesn't know how to approach in a case.

This SRS is also aimed at specifying requirements of software to be developed but it can also be applied to assist in the selection of in-house and commercial software products. The standard can be used to create software requirements specifications directly or can be used as a model for defining an organization or project specific standard. It does not identify any specific method, nomenclature or tool for preparing an SRS.

## Definitions, Acronyms, and Abbreviations

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## References

The references are:

* Judicial Case Management BRD
* Judicial Case Management HLD
* Judicial Case Management LLD

## Overview

The remaining sections of this document provide a general description, including characteristics of the users of this project, the product's hardware, and the functional and data requirements of the product.  General description of the project is discussed in section 2 of this document.  Section 3 gives the functional requirements, data requirements and constraints and assumptions made while designing the Judicial Case Management System.  It also gives the user viewpoint of product.  Section 3 also gives the specific requirements of the product.  Section 3 also discusses the external interface requirements and gives detailed description of functional requirements. Section 4 is for supporting information.

# Overall Description

This document contains the problem statement that the current system is facing which is the law and order is handled manually these days it takes lots of time and energy of the people*.* It further contains a list of users of the proposed solution. It also illustrates the needs of the users that were identified in the brainstorming exercise as part of the requirements workshop. It further lists and briefly describes the major features and a brief description the proposed system.

The following SRS contains the detail product perspective from different users. It provides the detail product functions of Judicial Case Management System with user characteristics permitted constraints, assumptions and dependencies and requirements subsets.

# Specific Requirements

The specific requirements are –

## Functionality

Introduction –

This subsection contains the requirements for the Judicial Case Management system.

### **Login.**

#### The system shall allow login to the system using credentials.

### **Maintain user profile.**

#### The system shall allow user to create profile and set his credential.

#### The system shall authenticate user credentials to view the profile.

#### The system shall allow user to update the profile information.

### **Provide Case registration.**

#### The system shall allow public/client to register new case.

#### The system shall allow public/client to add and change lawyer.

#### The system shall provide search facility to see lawyer details.

### **Provide Search facility.**

#### The system shall allow search by lawyer name, case type and case win percentage.

#### The system shall enable public/client to select options on the screen to search.

#### The system shall display all the matching lawyer details based on the search

#### The system shall display only 5 matching results on the current screen.

#### The system shall enable user to navigate between the search results.

#### The system shall notify the public/client when no matching product is found on the search.

### **Provide Case status report**

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#### The system shall allow public/client to select the case from the case list.

#### The system shall display the detailed information about the selected case.

#### The system shall display the previous information to most recent information.

#### The system shall allow read only privilege to public/client.

#### The system shall allow editing privileges to the lawyer.

### **Provide Case Hearing schedule**

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#### The system shall display the scheduling report about the selected case.

#### The system shall allow privileges to the admin for select and change judges of hearing.

#### The system shall allow rescheduling of case hearing.

#### The system shall allow schedule editing privilege to the admin.

#### The system shall allow read only privilege to the lawyer and client.

#### The system shall allow public/client to send request to lawyer for changing hearing schedule.

#### The system shall allow lawyer to send request or forward client request to admin for changing hearing schedule.

### **Provide Documents upload.**

#### The system shall allow user to upload necessary documents.

#### The system shall allow document verification by lawyer.

#### The system shall allow admin to view uploaded documents.

### **Provide Case closing facility.**

#### The system shall allow public/client to send case closing request to lawyer.

#### The system shall allow lawyer to send client request to admin.

#### The system shall allow admin to close client cases on request.

### **Maintain Client Cases.**

#### The system shall allow lawyer to accept/reject client cases.

#### The system shall allow lawyer to view client details.

#### The system shall allow admin to view lawyer and client details.

### **Provide Crime rate report**

#### The system shall allow admin to view crime rate report.

#### The system shall provide crime rate report based on case requests.

#### The system shall provide monthly crime rate report.

### **Provide Third party access.**

#### The system shall allow third party to create profile and set his credential.

#### The system shall allow third party to search and view case details.

## Usability

### **Graphical User Interface**

The system shall provide a uniform look and feel between all the web pages.

### **Accessibility**

The system shall provide access to public, lawyer, judges, clerk, students and police.

## Reliability & Availability

### **Back-end Internal Computers**

Not Applicable.

### **Internet Service Provider**

Not Applicable.

## Performance

### The product shall be based on web and has to be run from a web server.

### The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run.

### The performance shall depend upon hardware components of the client/public.

## Security

### **Data Transfer**

#### The system shall use secure sockets in all transactions that include any confidential customer information.

#### The system shall automatically log out all customers after a period of inactivity.

#### The system shall not leave any cookies on the customer’s computer containing the user’s password.

#### The system shall not leave any cookies on the customer’s computer containing any of the user’s confidential information.

### **Data Storage**

#### The customer’s web browser shall never display a customer’s password. It shall always be echoed with special characters representing typed characters.

#### The system’s back-end servers shall never display a customer’s password. The customer’s password may be reset but never shown.

#### The system’s back-end servers shall only be accessible to authenticated administrators.

#### The system’s back-end databases shall be encrypted.

## Supportability

### **Configuration Management Tool**

The source code developed for this system shall be maintained in configuration management tool.

## Design Constraints

### **Standard Development Tools**

The system shall be built using a standard web page development tool that conforms to either IBM’s CUA standards or Microsoft’s GUI standards.

### **Web Based Product**

#### There are no memory requirements.

#### The computers must be equipped with web browsers such as Chrome.

#### The product must be stored in such a way that allows the client easy access to it.

#### Response time for loading the product should take no longer than five minutes.

#### A general knowledge of basic computer skills is required to use the product.

## On-line User Documentation and Help System Requirements

Not Applicable

## Purchased Components

Not Applicable.

## Interfaces

There are many types of interfaces as such supported by the Judicial Case management software system namely, User Interface, Software Interface and Hardware Interface. The protocol used shall be HTTP. The Port number used will be 80. There shall be logical address of the system in IPv4 format.

### **User Interfaces**

The user interface for the software shall be compatible to any browser such as Internet Explorer, Mozilla or Chrome by which user can access to the system.

### **Hardware Interfaces**

Since the application must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g., Modem, WAN – LAN, Ethernet Cross-Cable.

### **Software Interfaces**

Judicial case management system shall use these interfaces to interact with the system

1. Login Page: Admin, client and lawyers need to log in using login id and password. The system authenticates every user. The only valid user can access their data.

2. Admin Page: This page is dedicated to clerk of the court. This page contains the link to cases, link to lawyers, link to client’s details.

3. Client Page: This page shows the client details. Clients can access recommended lawyers. Clients can view the case status using this interface.

4. Case Page: This page is common to admin, lawyer, clients with a different access level.

5. Lawyer Page: This interface helps the lawyer to view their work, notification, manage cases, update cases etc.

### **Communications Interfaces**

The Judicial Case Management system shall use the HTTP protocol for communication over the internet and for the intranet communication will be through TCP/IP protocol suite.

## Licensing Requirements

Not Applicable

## Applicable Standards

It shall be as per the industry standard.

# Supporting Information

Please refer the following document:

1. Judicial Case Management - BRD.
2. Judicial Case Management - HLD.
3. Judicial Case Management - LLD.
4. Judicial Case Management – Test Case.