CRIME RECORD MANAGEMENT SYSTEM

System Design Document

GROUP VI

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OVERVIEW

1. Introduction

2. Purpose

3. Scope

4.Overview

5. Use Case Diagram

6. Data Flow Diagram (DFD)

7. Class Diagram

1.Introduction

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose and scope. The aim of this document is to give an in-depth insight into the Crime record management system by defining the problem. We develop this software for easy management of crimes across police stations thereby users can access their stations they wish to give complaints.

2.Purpose

The purpose of the document is to collect and analyse all assorted ideas that have come up to define the system, its requirements with respect to different users. 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. It defines how our client, team, and audience see the product and its functionality.
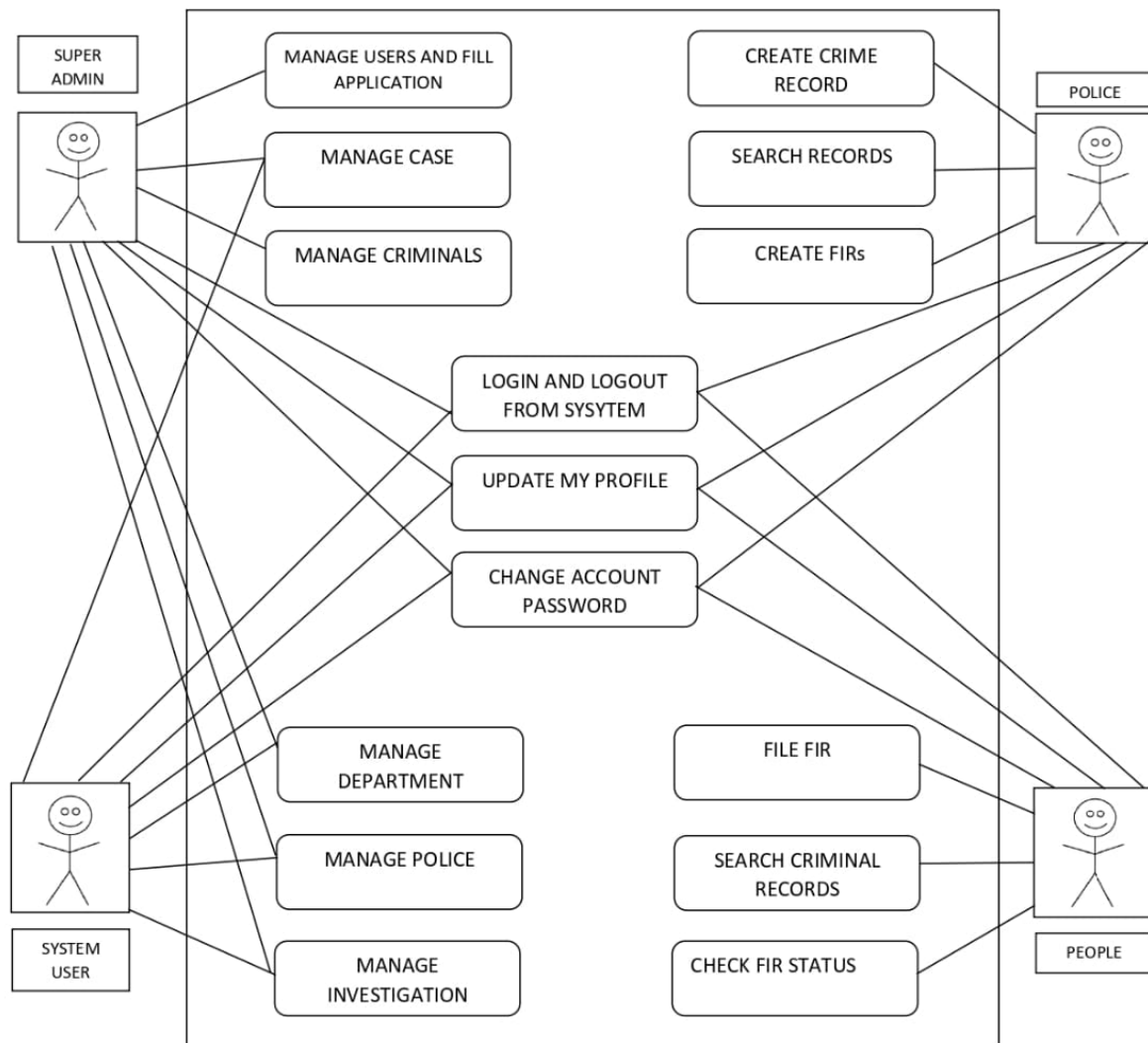
3.Scope

Primarily, the scope pertains to the Crime record management system project live. It focuses on the Police- station, for crime management, which allows users easy access to the stations for registering crimes and getting updates via the same. This SRS is also aimed at specifying requirements of the 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.
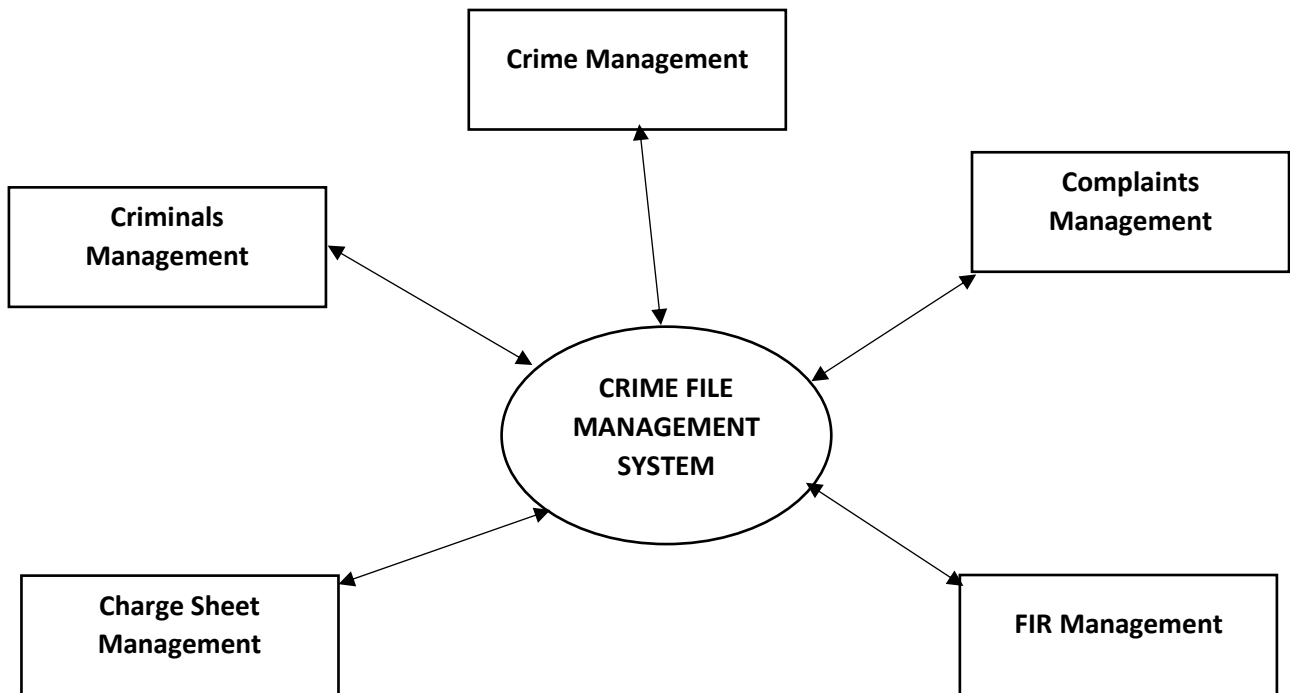
4.Overview

The remaining sections of this document provide a general description, including characteristics of the users of this project, hardware, and the functional and data requirements of the product. It also gives the user viewpoint of the product.

5.USE CASE DIAGRAM

6.DATA FLOW DIAGRAM

ZERO LEVEL DFD:

Crime Management

Complaints Management

Criminals Management

CRIME FILE MANAGEMENT SYSTEM

Charge Sheet Management

FIR Management

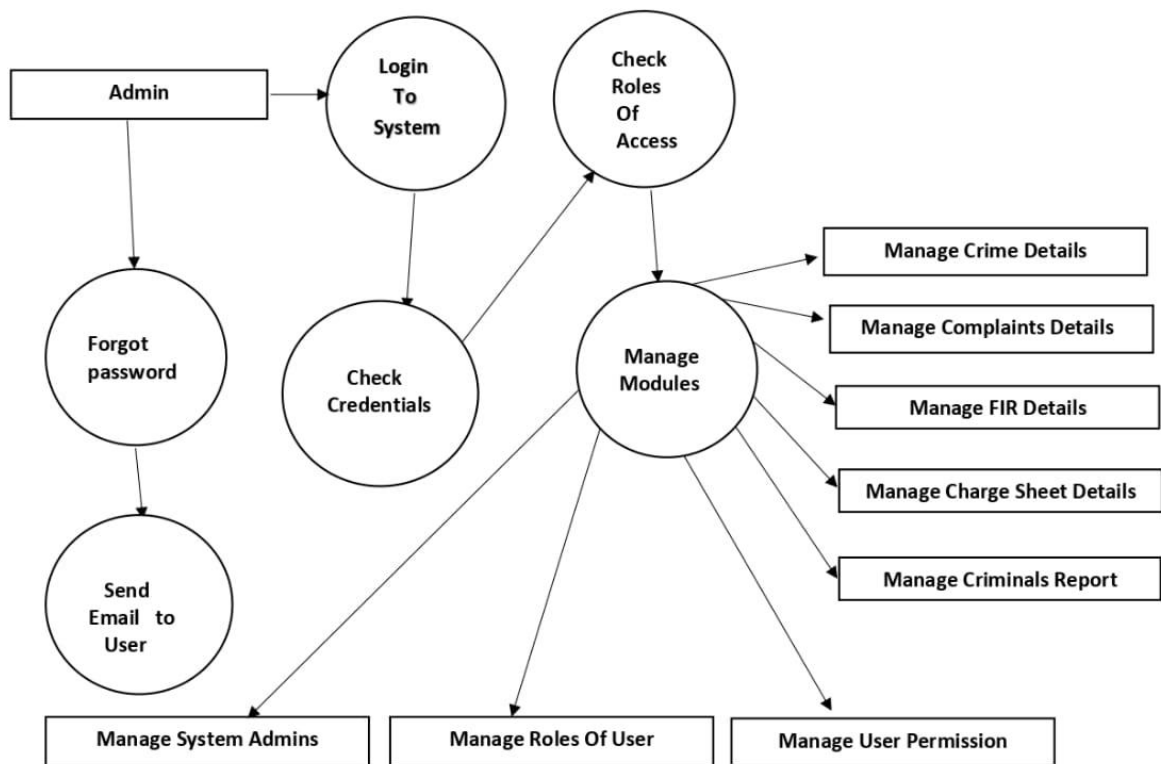ZERO-LEVEL-DFD-CRIME RECORD MANAGEMENT SYSTEM

FIRST-LEVEL-DFD:
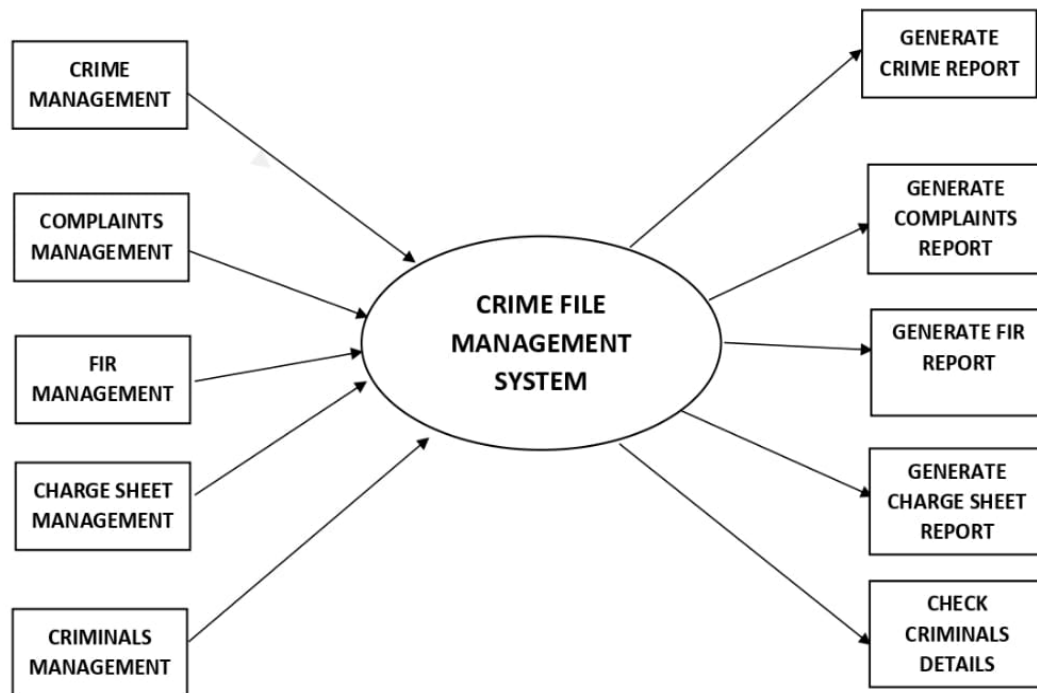
| FIRST LEVEL DFD- | CRIME RECORD MANAGEMENT SYSTEM |

SECOND LEVEL DFD:

Second Level DFD – Crime Record Management System

7.CLASS DIAGRAM

Complaint

cid : string
sid : string
comDate : Date
comDetails : string
contactNo : number

-registerFIR()

Investigation

invid : string
title: string
invdetails: string
conclusion : string
status : string

-insertDetails()
-updateDetails()
+viewDetails()

FIR

fir_id : string
date :Date
time : Time
incidentPlace: string
Section : string
details : string

-insertDetails()
+viewDetails()

Criminal

criminal_id:string
criminal_Name:string
criminal_Age:number
criminal_Status:string
address:string

+ insertDetails()
+updateDetails()
+viewDetails()

1   <initiates
1

1   against>   *

*
investigates
1

Investigating Officer

invid : string
invname : string
rank : string
assigndate : Date
status : int

+insertDetails()
+viewDetails()

Policestation

pid: string
stationInCharge : string
jurisdiction : string

Administrator

username : string
password : string

-registerPoliceStation()
-viewCriminalRecords()

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