

PROJECT PROPOSAL

Criminal Record Management System For Bangladeshi Law Agencies

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DECLARATION

This project proposal is submitted to the department of Information and Communication Engineering, Noakhali Science and Technology University, in partial fulfillment of the requirements for having the B.Sc in Engg. Degree in ICE. This is also needed to certify that the thesis work is under the B.Sc in Engg. Course of dept of ICE, NSTU titled “ICE-4110: Project and Thesis”. So, I, here by, declare that this project report has not been submitted elsewhere for the requirement of any kind of degree, diploma or publication.

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Session : 2015-16

ACCEPTANCE

This project report is submitted to the Department of Information and Communication Engineering, Noakhali Science and Technology University, Noakhali in partial fulfillment of the requirements for having the B.Sc Engg degree in ICE.

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Abstract

The need for good record-keeping and information-sharing practices has taken on added significance in today's global environment. Not only do good records provide crucial internal information, law enforcement agencies now need to communicate agency-to-agency and across States in order to protect the Nation's citizens. Criminal Record Management System has been implemented as an accessible Web-based query application, which provides timely and accurate information on Offenders. The software implemented is a typical automated crime records management system, based on client-server architecture allowing data storage and criminal record interchange among the police station, court, immigration and passport office. Since manual crime records keeping by Bangladeshi police has been bedevil with high cost of saving data, as it is mostly associated with paperwork, frequent case of missing files because records is not properly secured and lack of good storage media which makes retrieval of records quite stressful and has leads to data redundancy.

Therefore, the application will help to improve the efficiency and effectiveness of the police security measures in keeping criminal records, and to provide the crime investigator with timely and accurate information about a particular crime in a specified location. It will give him idea about a person. Did he commit any crime before that? So that the police or court will treat the person based on his past record.

The application was developed to eliminate paper-based information exchanges and to facilitate the electronic provision of criminal record to crime investigator. The design and implementation was carried out using the top down development approach (waterfall model). The tools used to implement this project are Laravel and SQL server.

Introduction

Crime in Bangladesh is present in various forms such as Drug Trafficking, Money Laundering, Extortion, Contract killing, Fraud, Human Trafficking, Robbery, Corruption, Black Marketeering, Political Violence, Terrorism and Abduction among others.

The Bangladesh Police is the main law enforcement agency of Bangladesh. It is administered under the Ministry of Home Affairs of the Government of Bangladesh. It plays a crucial role in maintaining peace, and enforcement of law and order within Bangladesh. Though the police are primarily concerned with the maintenance of law and order and security of persons and property of individuals, they also play a big role in the criminal justice system.

But their criminal record is done by paperwork. It takes so much money and time for finding a person did he commit crime before that. Sometimes the record has damaged.

Criminal Record Management System helps the police or court justifying a person to see their previous record. It can help police to take right action against him.

The system can be used to provide correct information to immigration and passport office. So that they can easily identify the person who actually related with crime.

This system will be beneficial for decision making for the law enforcement agencies.

Literature Review

Here, we include related works in shortly. That is, different procedure that related with this web application are shown here.....

(1) Crime Record Management System (CRMS)

Author: Zara Tariq

The Crime Management System apply to Police Stations all across the country .It specifically looks into the Crime detection and prevention. Conviction of criminals depends on a highly responsive backbone of Information Management. The efficiency of the police and the effectiveness with which it tackles crime depend on what quality of information it can derive from its existing records and how fast it can have access to it.

Published on Sep 20, 2014 on www.slideshare.net

(2) A REAL-TIME CRIME RECORDS MANAGEMENT

Author:

- 1.OludeleAwodele,
- 2.Onuiri Ernest E.,
- 3.OlaoreOlufunmike A.,
- 4.SowunmiOluwawunmi O

In the case of law enforcement agencies, this is evident in the use of automated crime record management systems (CRMS) worldwide to keep record of crime and criminals involved. Crime being an act against the law of a society is a threat to the well-being of the populace and so, requires efficient and effective monitoring. For this reason, CRMS have been developed to achieve this purpose. However, in Nigeria, the CRMS employed is majorly manual, which is, the use of pen and paper. This records are therefore susceptible to destruction from pests and uncensored manipulation by both authorized and unauthorized personnel.

12, May2015Published by European Centre for Research Training and Development UK

(3) CRIME MANAGEMENT SYSTEM (CMS)

Author:

1. Swathi Sharma

2. Ramya Naik

The manual system has some drawbacks which can be overcome by using our web based software “Crime Management System”. Citizens need not go to the police station to file a complaint. Police need not have to maintain records manually since our software maintains all the records with centralized database.

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Motivation for this Project Work

The design and implementation of this web based application is, particularly challenging due to its functionality and requirements.

Here the web application is needed to be applicable for its true informative feature. Here we include details information on the server. So if the information is not reliable, police get troublesome at that time. Basically, when someone is arrested, they get into a horrible situation.

To objective:

So

the most important functionalities of this web application are:

- First, by this application installed on a user, get services easily what they want to know about a person.
- Second, the application reduces time to take decision about a person who has actually a previous record of crime.
- Third, For keeping most of all the data available for user and the system user can identify a person.

Objectives of the Project

Now we live in the era of Internet where internet make our life and fashion more easy and manageable.. Information and communication technologies can improve access to data and quality of services while reducing the work and time.

The main objectives of the application are listed below:

- 1.Quicker response; the system will allow for time retrieval of the needed information to avoid travelling to other police location, court, immigration office for information.
- 2.To provide a more secure system for keeping criminal records for both short and long term bases as required.
- 3.To provide the crime investigator or judge with timely and accurate information about a particular crime in a specified location.
- 4.The technology and the data exist to track those with a high predilection to offend.
- 5.The police can easily take action on the base of the previous record of a person.

Methodology

The following steps will be followed to develop the Website in the proposed project:

- a.First the software requirement specification(SRS) will be prepared. For this purpose, we will suff a number of similar web applications.
- b.Then the different pages of website will be designed and will be demonstrated to the responsible person in charge of police station,court.

SOFTWARE REQUIREMENT

- i. Operating System: Windows (2000, Vista, 7 , 8 and 10)
- ii. Graphical User Interface: html, css&javascript, jquery
- iii. Application Logic: Laravel(PHP framework) use as backend for developing application
- iv. Database: MySql

v. IDE/Workbench: wamp(APACHE SERVER) , xampp

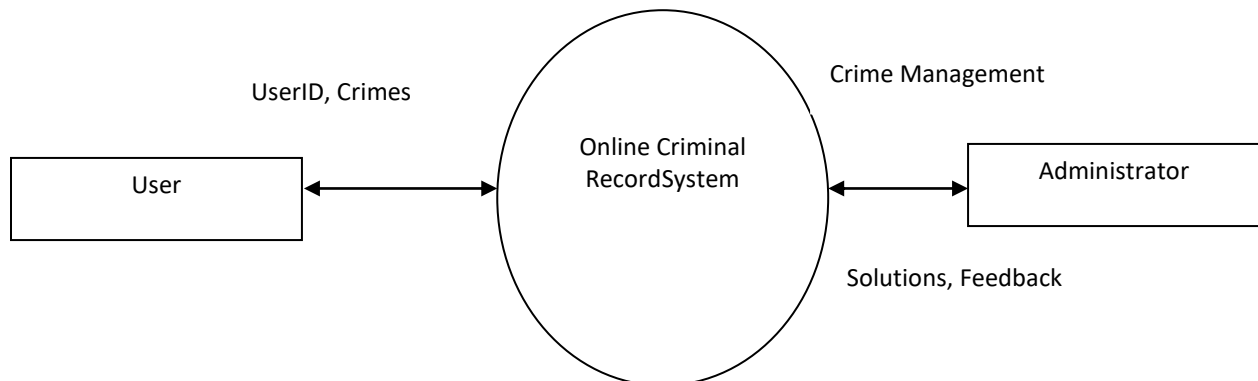
The **architecture** can be divided into 3 modules. These are:

- Admin
- Database module
- Client

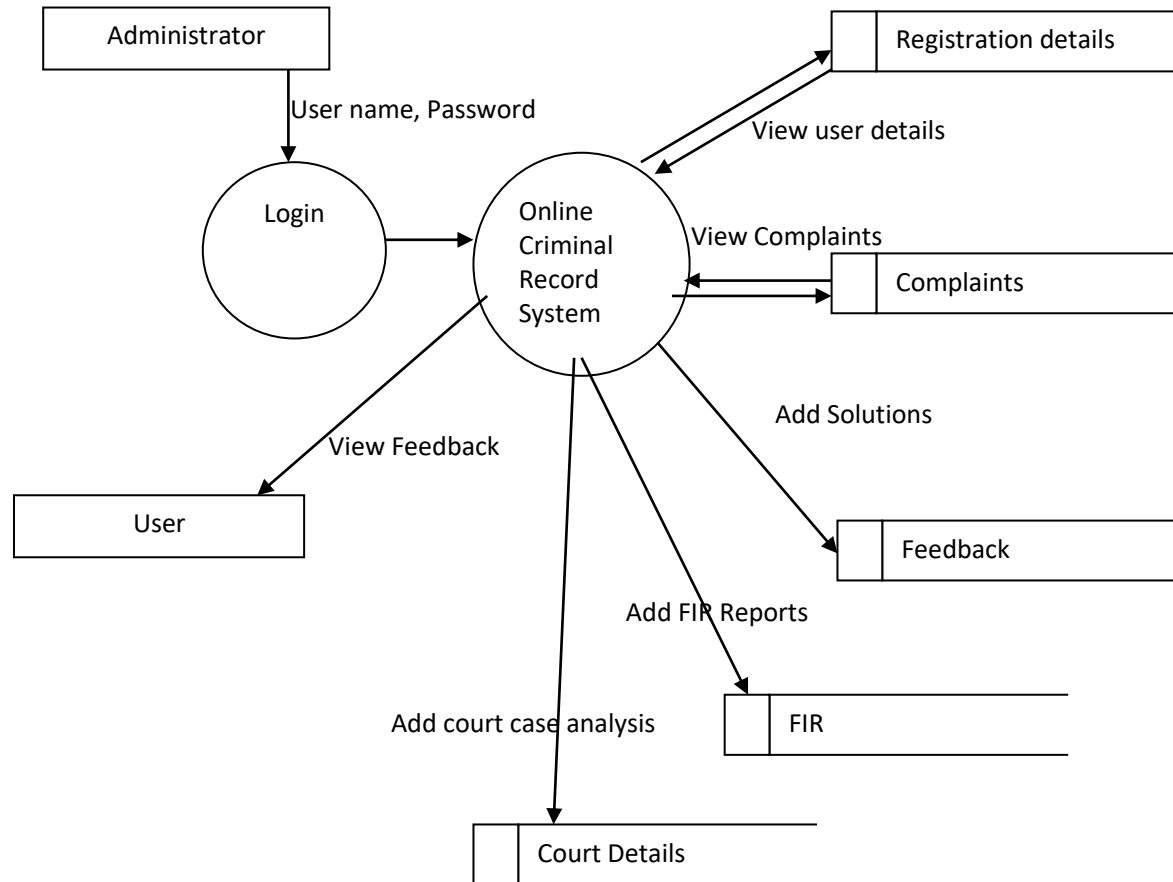
To store the data we need a database. The database application will request the data via the corresponding services and store them. The client application will request for data to the database. As per request, the database will provide the data to the client application.

Data Flow Diagram:

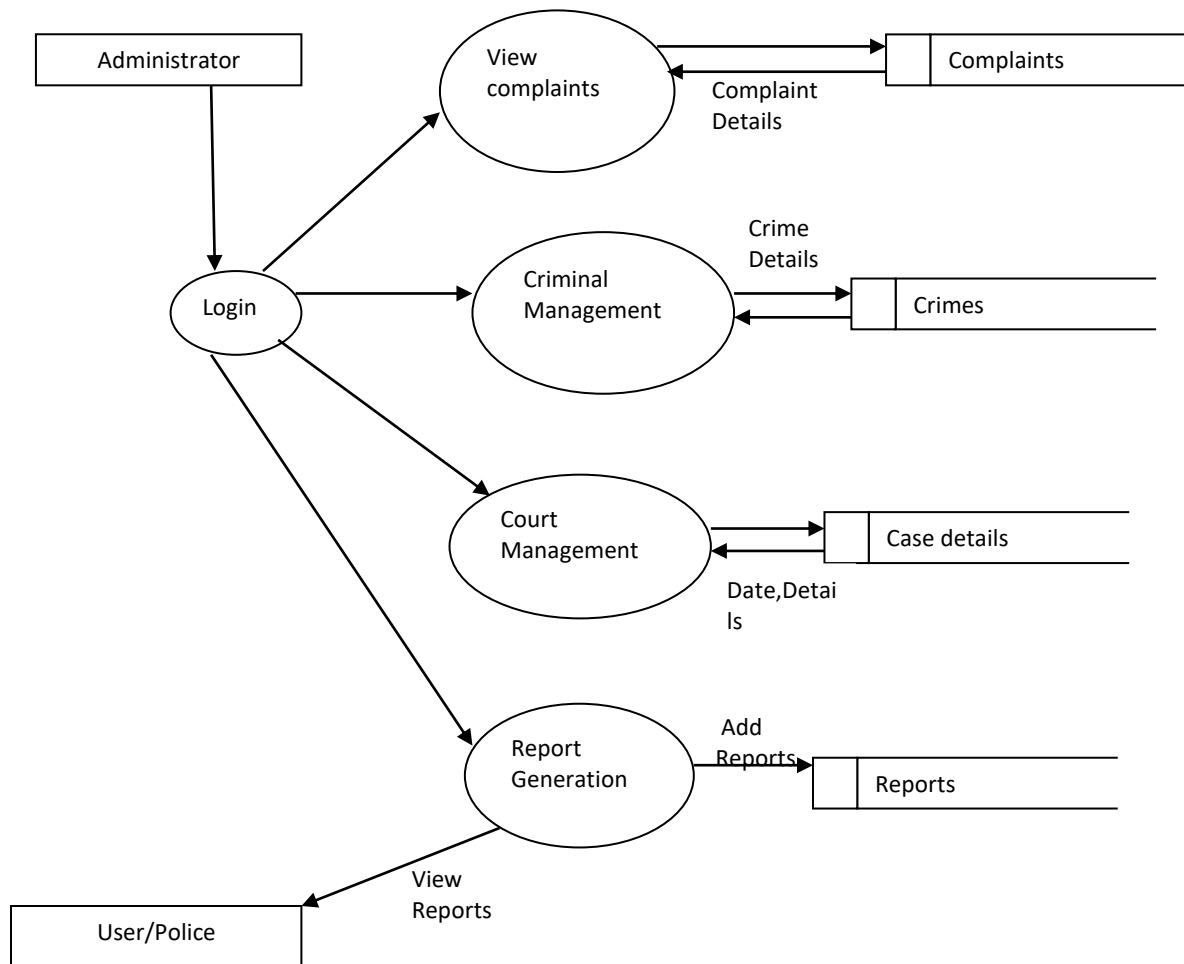
Level 0:



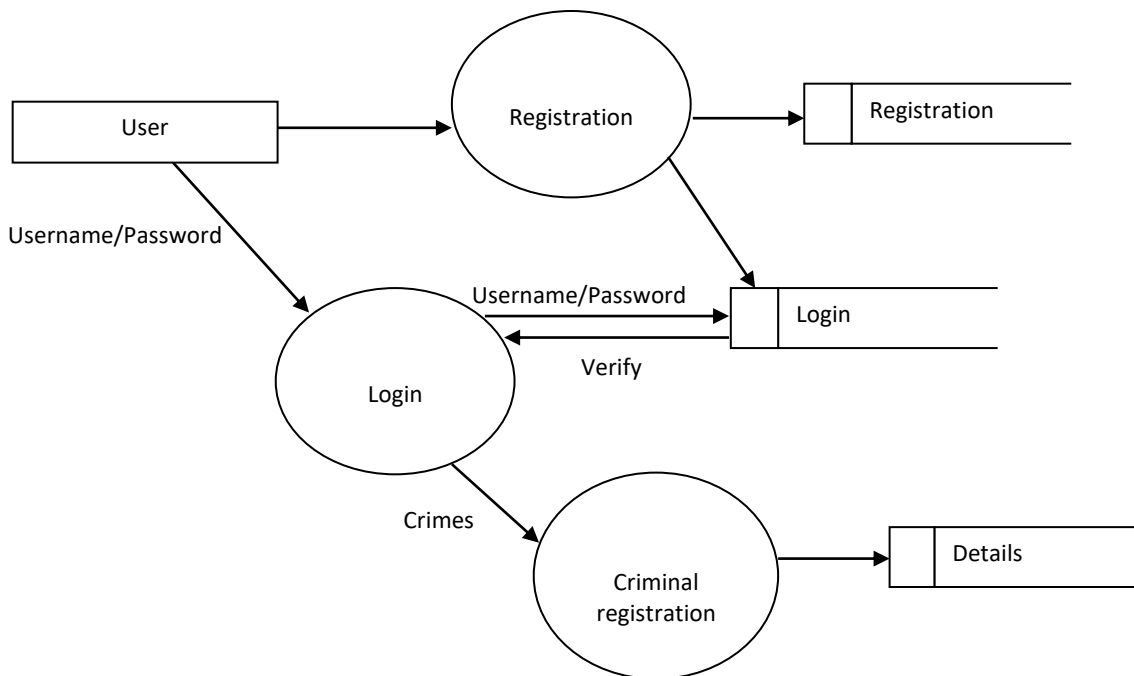
Level 1 DFD- Administrator



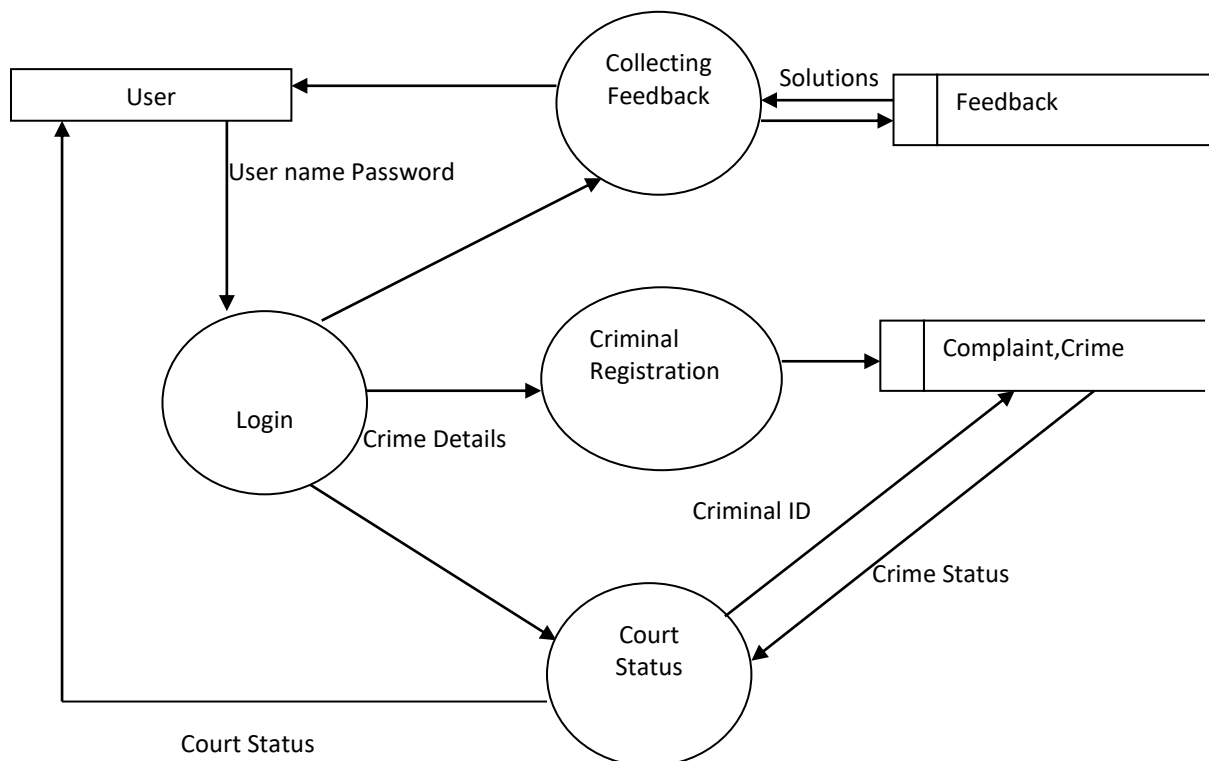
Level 2 DFD- Administrator



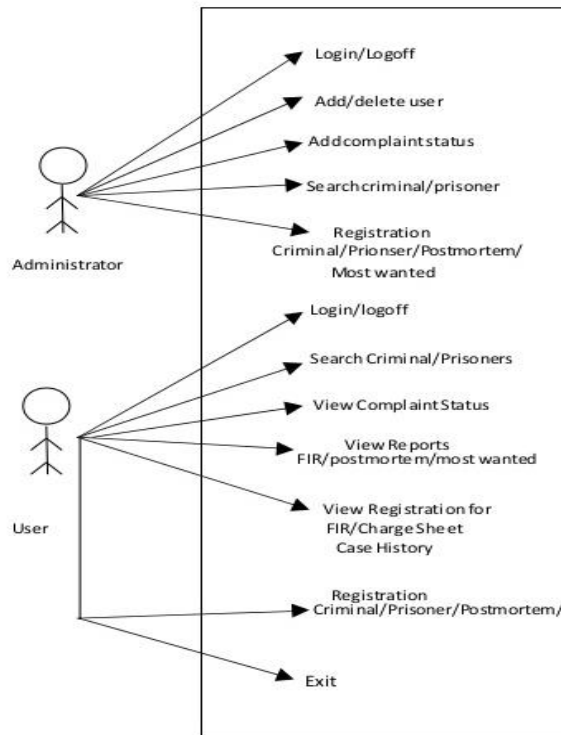
Level 1 DFD- User



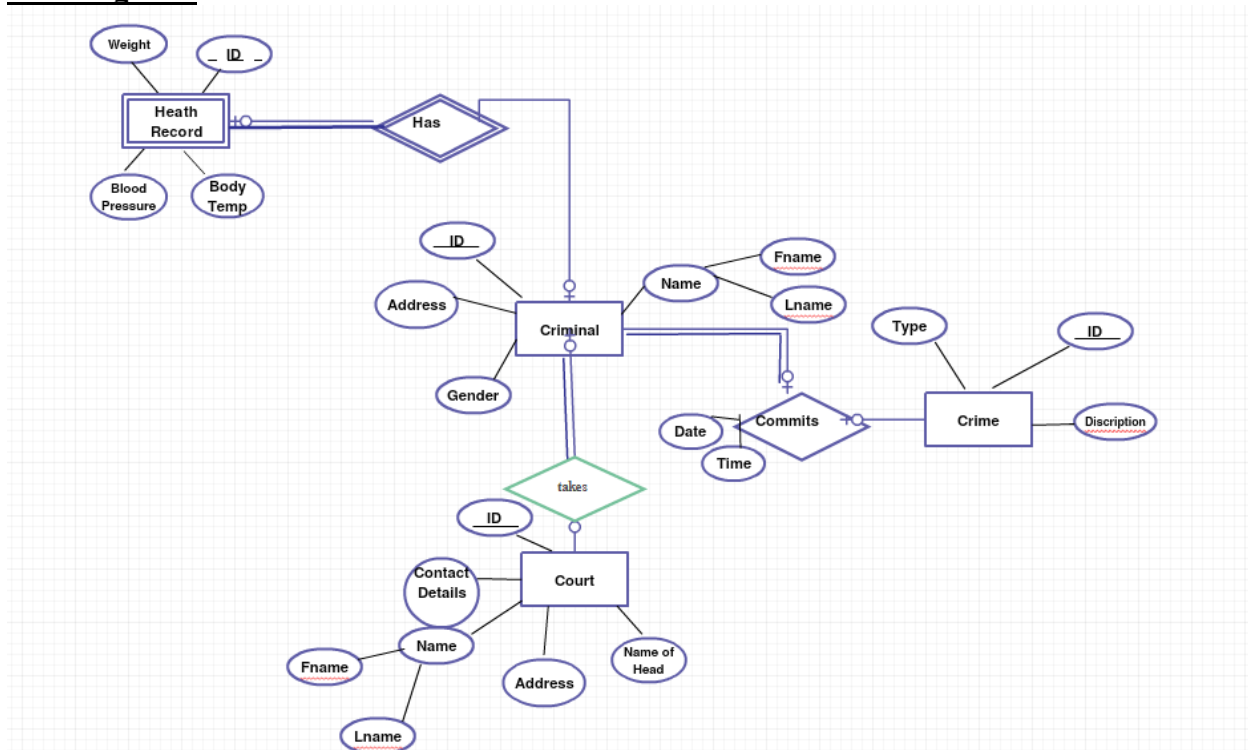
Level 2 DFD- User



USE CASE DIAGRAM:



E-R diagram:



How the proposed system will work

For criminal record management system, the data are stored manually in the database. When police or others search a person or an ID, information will be loaded from database if the person has any record of crime.

Here a website will build, so the user can access the web application from any location.

HTML, CSS, Javascript, JQuery are used in frontend to provide the user a good user friendly interface.

Laravel (PHP framework) used as backend for coding demand.

Conclusion

CRIMINAL RECORD MANAGEMENT SYSTEM initiates the objective of providing the user with customized and powerful criminal registration and process management system side software. The software is built with all options such as criminal registration, court registration, etc... All the requirements specified during the analysis and design phase are fully met, thus resulting in the formation of good software. The interface provided is very user friendly and flexible for all times.

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