Project Title

Criminal Database

by~

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Abstract

Our project will provide a means by which families and/or individuals can equip themselves with information about various criminals/offenders. This will facilitate family friendly neighborhoods and protection provided to kids as they can know which houses/homes are to be avoided. The information provided will contain only registered and convicted criminals, providing attributes such as age, crime committed, jail status, location, rating, etc. Criminal data are both crowdsourced (cross checked against police database) and directly from court / police proceedings.

Project Synopsis (Modules)

Title of the project

Criminal Database

Team members

1. Mareea
2. Eric Miranda
3. Sachin

Introduction

Criminal database system provides the users with access to publicly available criminal records in order to protect the user and know more about who and if any convicts are staying around them.

Objective

The objective of the criminal database system is to provide names and details of any convicts according to the requirement of the user, like for example, location-based filtering.

Scope

The scope is to give users various information about a convict which can be looked up by name, crime, proximity, status, etc.

Statement about the problem

Families with kids may be staying in areas where there are repeat sexual offenders and so utilizing this system families can take the required steps to safeguard their kids.

Advantages

- Only convicted criminals are put up on the website, after requisite proof provided.
- There is a connection to the cops' criminal database system for cross checking.
- Easy lookup based on filters such as location, crime, name, etc.

- Status of the convict provided, whether jailed, etc.
- Rating provided to convict based on behavior.
- Enhances the safety of the neighborhood.

Modules

- About CDS
  - What is the criminal database system?
  - Principles
  - Policies
- Convict search
- Search by category
  - Crime
  - Age
  - Location
  - Status
  - Rating
- Upload entry
- Suggest changes
- Contact us
- Admin login
- User login
- Cop database access

Language and software tools used

- Front end:
  - HTML
  - CSS
  - Bootstrap
  - JavaScript
- Back end:
  - PHP / Node.js
  - MySQL server

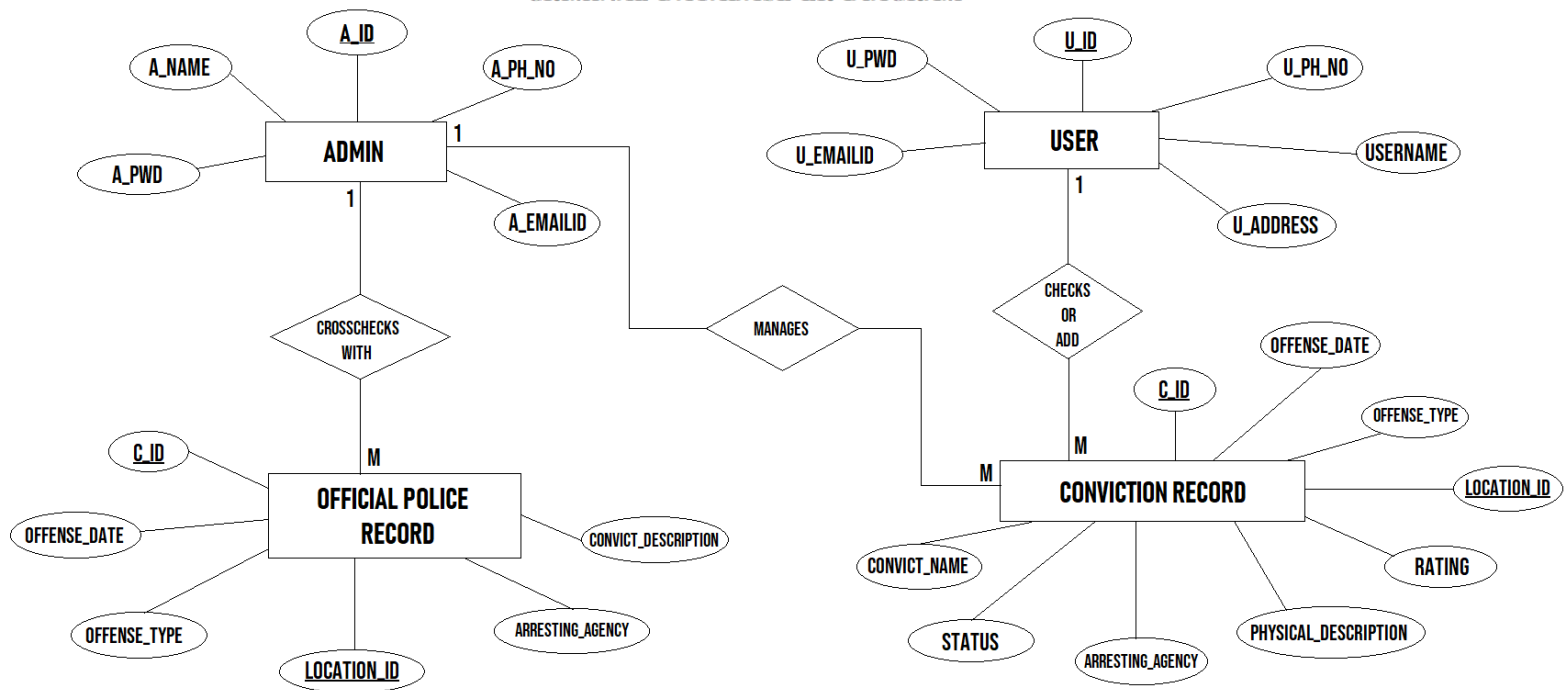## **Hardware requirement**

Laptop

Software Requirement

Operating system: Window / Linux

Conclusion

The conclusion is to provide necessary details of convicts for people living in a certain area or wanting to conduct a basic background check, say even for job profiling.

ER Diagram

CRIMINAL DATABASE ER DIAGRAM

Normalization

1. ADMIN

A_ID	A_NAME	A_PH_NO	A_PWD	A_SNS_ID

ADMIN SNS

A_SNS_ID	A_TWT	A_IG	A_FB	A_LINE

Admin table is in 3NF as there is a composite primary key and there are no transitive dependencies between any of the columns and primary key A_ID.

2. USER

U_ID	USERNAME	U_PH_NO	U_PWD	U_ADDRESS	U_SNS_ID

USER SNS

U_SNS_ID	U_TWT	U_IG	U_FB	U_LINE

User table is in 3NF as there is a composite primary key and there are no transitive dependencies between any of the columns and primary key U_ID.

3. CONVICTION RECORD

C_ID	OFFENSE_DATE	OFFENSE_TYPE	LOCATION_ID	RATING
CONVICT_NAME	PHYSICAL_DESC.	ARRESTING_AGENCY	STATUS	

LOCATION INFO

LOCATION_ID	BLOCK	DISTRICT	CITY	STATE

Conviction table is in 3NF as there is a composite primary key and there are no transitive dependencies between any of the columns and primary key C_ID.

4. OFFICIAL POLICE RECORD

C_ID	OFFENSE_DATE	OFFENSE_TYPE	LOCATION_ID	CONVICT_DESCRIPTION	ARRESTING_AGENCY

LOCATION INFO

LOCATION_ID	BLOCK	DISTRICT	CITY	STATE

Official Police Record table is in 3NF as there is a composite primary key and there are no transitive dependencies between any of the columns and primary key C_ID.