

CRIMINAL DATABASE MANAGEMENT SYSTEM

REVIEW REPORT

Submitted by

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Prepared For

DATABASE MANAGEMENT SYSTEM (CSE2004)

PROJECT COMPONENT

Submitted To

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(Deemed to be University under section 3 of UGC Act, 1956)

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Project Title

Criminal Management System.

Abstract

With the upsurge in crime rates, it has become very tedious for the officers at the jail to manage the criminals. The system will be made to keep records of the criminals and about the jailors and officers. Officers can log in as a user and can save the FIR with date and time and FIR number. Jailor can view the details of the criminals under his/her section. The Criminals are saved in the database with their case id. It is very useful as the written papers can get lost but in the criminal management system, this is not possible as the data will be backed up. The criminal's records cannot be deleted because it may be required later by the government, to know any details about the criminals.

1. Introduction

1.1 Background

Our Project Criminal Database Management System was ideated from the thought that there is no thorough database management system that captures the real essence of a criminals sentence period in jail, thus we have kept our database simple and suffice as it concentrates on the essential features like Prisoner, FIR, Jailor, Officer, Section etc..and many correctional facilities do not have proper systems to cater to the vast magnitudes of requirements of criminals, and rely on manual management of critical data.

1.2 Objective

The Main Objective of our Criminal Database Management is to forge an integrated information management system for criminals where all of the required needs and information are met through easy-to-use and intuitive data aggregation, where requests are automatically scaled and fulfilled according to the population of criminals, and their profiles are easily generated and archived. We also look to have real time access where updating to any part of the database, should mean the required change should happen in the other parts of the database.

1.3 Motivation

The Motivation for the Criminal Database Management System is that we want to ensure a computerized organization management system that replaces the current manual management systems used to monitor the data of criminals, and ensures that the management task is eased and its performance, security, efficiency and effectiveness is also catered to. We are looking to create and design a system that has appropriate

methodology, strategy, easy-to-understand and easy-to-use, thus giving the people in charge of managing the criminals an opportunity to look at better results and reduce unnecessary overhead costs.

1.4 Contributions of the Project

All three of us developed the project together through collaboration and keeping in mind our objectives. We learnt a lot throughout the whole project and further sharpened our knowledge of DBMS and Web Development.

1.5 Organization of the Project

Frontend: HTML, CSS, PHP

Backend: XAMPP, PHP, MYSQL, MYSQL WORKBENCH

ER Diagram Creation: ERD-PLUS

2. Project Resources Requirements

2.1 Software Requirements

1.XAMPP Server

2.MySQL Database

3.HTML

4.CSS

5.JavaScript

6.PHP

7.PhpMyAdmin

2.2 Hardware Requirements

1. 1GB RAM
2. 1.6Ghz CPU,32bit
3. 1GB disk space

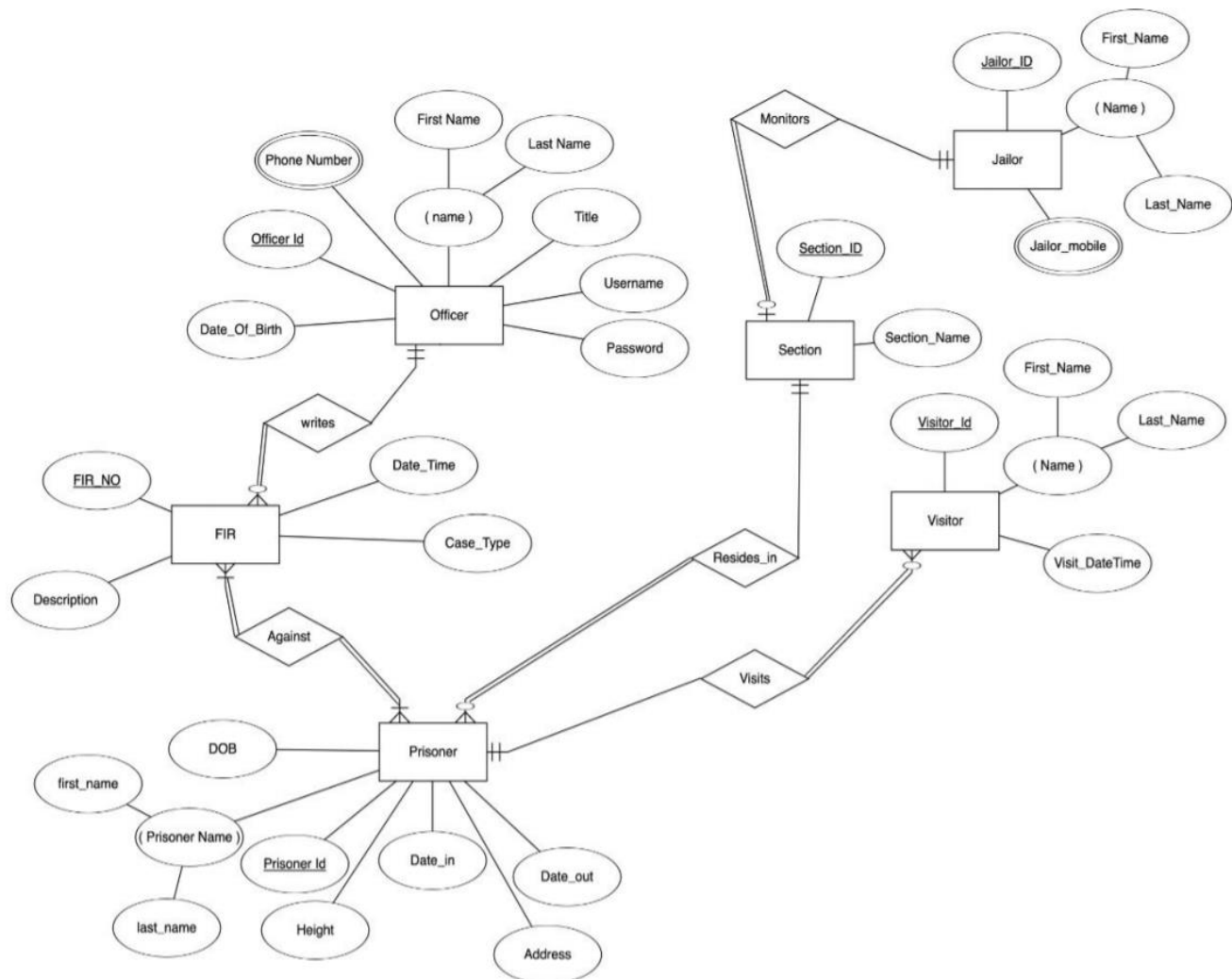
3. Literature Survey

What is a Database Management System? Who and What Defines a Criminal? It is an almost customary feature of any software development process involving law-subjected individuals to begin with a disclaimer about the inherent difficulty of defining exactly what ‘database management system’ and ‘criminal’ is and disintegrating its various dimensions. The concept of a criminal database management system has long been a

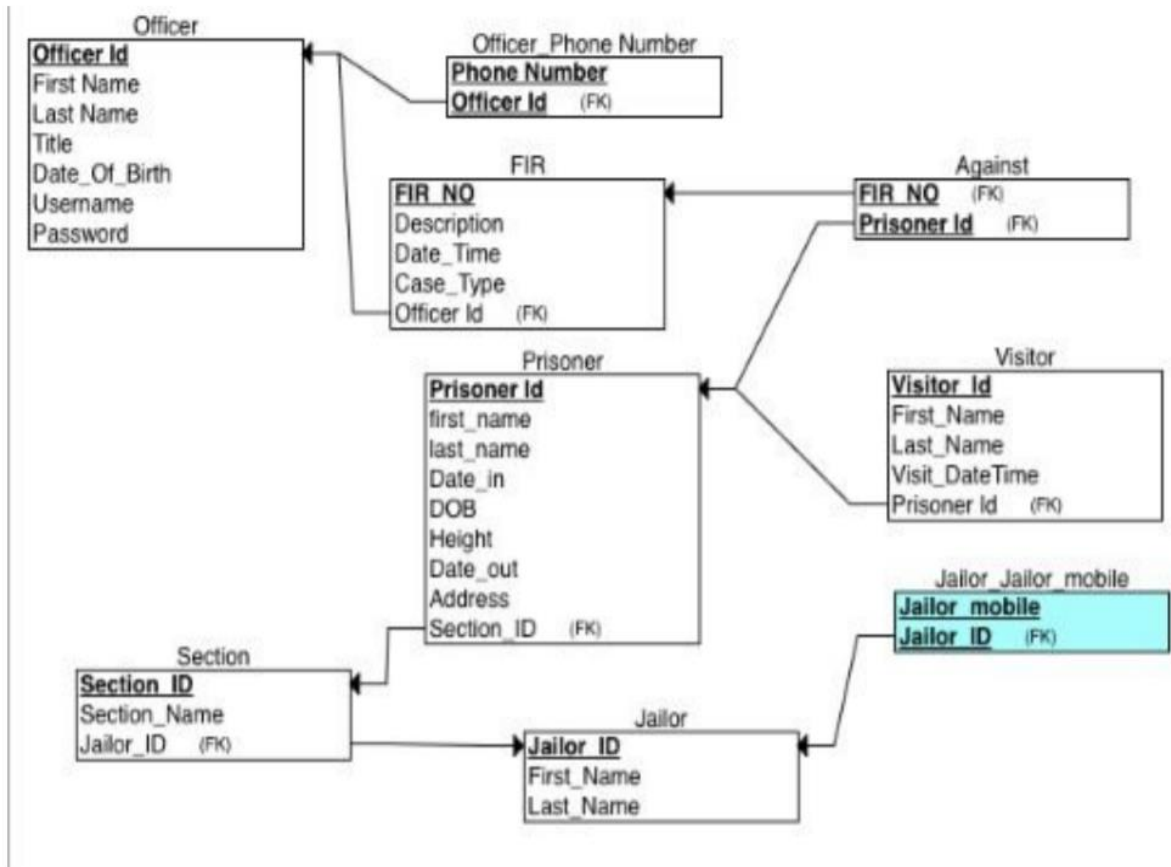
manual process, which results in a greater consumption of time, loss of records, large amount of paperwork and poor quality of maintenance of criminals and their respective officers and jailors. Literature on criminal database management systems tends to give readers an underwhelming sense that a proper system is a long way off, and that is what our website looks to solve by keeping it informative as well as concise and sticking to the point.

4. Design of the Project

4.1 ER Diagram



4.2 ER to Relational Mapping(Schema Diagram)



4.3 Tables and Constraints

4.3.1.1 Jailor_phone

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Jailor_phone	varchar(10)	utf8mb4_general_ci		No	None		
2	Jailor_id	int(11)			No	None		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Jailor_phone	11	A	No	
				Jailor_id	11	A	No	
fk_8	BTREE	No	No	Jailor_id	11	A	No	

4.3.1.2 Visitor

Field	Type	Null	Key	Default	Extra
Visitor_id	int(11)	NO	PRI	NULL	auto_increment
First_name	varchar(25)	NO		NULL	
Last_name	varchar(25)	NO		NULL	
Visit_date	varchar(25)	NO		NULL	
Prisoner_id	int(11)	NO	MUL	NULL	

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part
Visitor	0	PRIMARY	1	Visitor_id	A	0	NULL
Visitor	1	fk_4	1	Prisoner_id	A	0	NULL

4.3.1.3 Against

Field	Type	Null	Key	Default	Extra
Fir_no	int(11)	NO	PRI	NULL	
Prisoner_id	int(11)	NO	PRI	NULL	

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	F
Against	0	PRIMARY	1	Fir_no	A	5	NULL	^
Against	0	PRIMARY	2	Prisoner_id	A	5	NULL	^
Against	1	fk_6	1	Prisoner_id	A	5	NULL	^

4.3.1.4 Jailor

Field	Type	Null	Key	Default	Extra
Jailor_id	int(11)	NO	PRI	NULL	auto_increment
Jailor_uname	tinytext	NO		NULL	
Jailor_pwd	longtext	NO		NULL	
First_name	varchar(25)	NO		NULL	
Last_name	varchar(25)	NO		NULL	

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Jailor_id	6	A	No	

4.3.1.5 Section

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Section_id	int(3)			No	None		AUTO_INCREMENT
2	Section_name	varchar(25)	utf8mb4_general_ci		No	None		
3	Jailor_id	int(11)			No	None		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Section_id	5	A	No	
fk_3	BTREE	No	No	Jailor_id	5	A	No	

4.3.1.6 Prisoner

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Prisoner_id	int(11)			No	None		AUTO_INCREMENT
2	First_name	varchar(25)	utf8mb4_general_ci		No	None		
3	Last_name	varchar(25)	utf8mb4_general_ci		No	None		
4	Date_in	date			No	None		
5	Dob	date			No	None		
6	Height	int(3)			No	None		
7	Date_out	date			No	None		
8	Address	longtext	utf8mb4_general_ci		No	None		
9	Section_id	int(3)			No	None		
10	Status_inout	varchar(3)	utf8mb4_general_ci		No	None		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Prisoner_id	4	A	No	
fk_2	BTREE	No	No	Section_id	4	A	No	

4.3.1.7 FIR

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Fir_no	int(11)			No	<i>None</i>		
2	Description	longtext	utf8mb4_general_ci		Yes	<i>NULL</i>		
3	Fir_date	date			Yes	<i>NULL</i>		
4	Case_type	varchar(25)	utf8mb4_general_ci		Yes	<i>NULL</i>		
5	Officer_id	int(11)			No	<i>None</i>		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Fir_no	3	A	No	
fk_1	BTREE	No	No	Officer_id	3	A	No	

4.3.1.8 Officer_phone

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Officer_phone	varchar(10)	utf8mb4_general_ci		No	<i>None</i>		
2	Officer_id	int(11)			No	<i>None</i>		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Officer_phone	9	A	No	
				Officer_id	9	A	No	
fk_7	BTREE	No	No	Officer_id	9	A	No	

4.3.1.9 Officer

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Officer_id	int(11)			No	<i>None</i>		AUTO_INCREMENT
2	Officer_uname	tinytext	utf8mb4_general_ci		No	<i>None</i>		
3	Officer_pwd	longtext	utf8mb4_general_ci		No	<i>None</i>		
4	First_name	varchar(25)	utf8mb4_general_ci		No	<i>None</i>		
5	Last_name	varchar(25)	utf8mb4_general_ci		No	<i>None</i>		
6	Title	varchar(25)	utf8mb4_general_ci		No	<i>None</i>		
7	Date_of_birth	date			No	<i>None</i>		

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Officer_id	2	A	No	

4.4 Normalization with the Process

4.4.1.1 Jailor_Phone

Name of Attribute	Symbol
Jailor_id	A
Jailor_mobile	B

Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
AB -> AB	(A)+ = {A}	AB	AB	none	none
	(B)+ = {B}				
	(AB)+={A,B}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	no partial dependencies therefore it is in the second normal form	no transitive dependencies therefore it is in the third normal form	Every jailor can add more than one mobile number	A,B

4.4.1.2 Visitor

Name of Attribute	Symbol
Visitor_id	A
First_name	B
Last_name	C
Visit_date	D
Prisoner_id	E

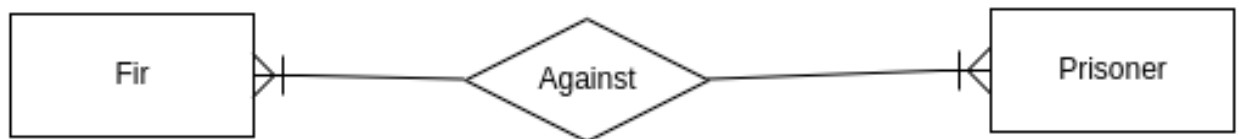
Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
ABC->DE	(A)+={A,B,C,D,E}	A	A	none	none
A->BCDE	(B)+={B}				
	(C)+={C}				
	(D)+={D}				
	(E)+={E}				
	(ABC)+={A,B,C,D,E}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	no partial dependencies therefore it is in the second normal form	no transitive dependencies therefore it is in the third normal form	A visitor when enters will be given his /her visitor id. Mobile number and more details of the visitor could have been given,this can be done in future.	A,B,C,D,E

4.4.1.3 Against

Explanation:

1. Made from the relationship between Fir and Prisoner table .
2. If a prisoner is associated with one or more cases then the prisoner_id of that prisoner can be added to this table



4.4.1.4 Jailer

Name of Attribute	Symbol
Jailor_id	A
First_name	B
Last_name	C
Username	D
Password	E

Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
ABC-> DE	(A)+ = {A,B,C,D,E}	A,D	A	none	none
AD->BCE	(B)+ = {B}				
A->BCDE	(C)+ = {C}				
D->ABCE	(D)+ = {D,A,B,C,E}				
	(E)+ = {E}				
	(AD)+ = {A,D,B,C,E}				
	(ABC)+ = {A,B,C,D,E}				
	(AB)+ = {A,B,C,D,E}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	A->B,C,D,E,A and D->A,B,C,D,E are the two functional dependencies to check here, since it does not match the criteria for partial dependencies, it is in 2NF and we can check for 3NF. Final table is made accordingly	no transitive dependencies therefore it is in the third normal form	A is selected as the Primary key so the final table is made accordingly	A,B,C,D,E

4.4.1.5 Section

Name of Attribute	Symbol
Section_id	A
Section_name	B
Jailor_id	C

Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
AB-> C	(A)+ = {A,B,C}	A	A	none	none
A-> BC	(B)+ = {B}				
	(C)+ = {C}				
	(AB)+ = {A,B,C}				
	(AC)+ = {A,C,B}				
	(BC)+ = {B,C}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	since it has no partial dependencies,the table is in the second normal form	since it has no trasitive dependencies,t he table is in the third normal form	By default there are 5 sections with jailors alloted . When a new jailor is added , we need to mention the section id which has to be alloted to that jailor.	A,B,C
			On adding that jailor , the previous jailor will be deleted from the section table	

4.4.1.6 Prisoner

Name of Attribute	Symbol
Prisoner_id	A
First_name	B
Last_name	C
Date_in	D
Date_out	E
Dob	F
Height	G
Address	H
Section_id	I
Status	J

Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
ABC -> DEFGHIJ	(A)+ = {A,B,C,I,D,E,F,G,H,I,J}	A	A	none	none
A->BCDEFGHJ	(B)+ = {B}				
	(C)+ = {C}				
	(ABC)+ = {A,B,C,D,E,F,G,H,I}				
	(AB)+ = {A,B,C,I,D,E,F,G,H}				
	(AC)+ = {A,B,C,I,D,E,F,G,H}				
	(BC)+ = {BC}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	no partial dependencies therefore the table is in second normal form	there are no transitive dependencies therefore the table is in third normal form	When the prisoner is added to the table the status is in. When the prisoner is removed from the prison the status is set to out	A,B,C,D,E,F,G, H,I,J
			This is done because we might need the criminal record later	

4.4.1.7 FIR

Name of Attribute	Symbol
Fir_id	A
Description	B
Date	C
Case_Type	D
Officer_id	E

Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
AE-> BCD	(A)+ = {A,B,C,D,E}	A	A	none	none
A-> BCDE	(B)+ = {B}				
	(C)+ = {C}				
	(D)+ = {D}				
	(E)+ = {E}				
	(AE)+ = {A,E,B,C,D}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	no partial dependencies therefore the table is in second normal form	there are no transitive dependencies therefore the table is in third normal form	When a prisoner is added , either an FIR already exists against the prisoner or a new FIR is generated. The FIR number is unique.	A,B,C,D,E,F,G ,H,I,J
			Here when the prisoner is added FIR number is added with him and a description can also be given	
			If a prisoner is associated with more than one FIRs then it can be added in the Against table	

4.4.1.8 Officer_Phone_Number

Name of Attribute	Symbol
phone_number	A
Officer_id	B

Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
BA->BA	(B)+ = {B}	BA	BA	none	none
	(A)+ = {A}				
	(BA)+ = {B,A}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	no partial dependencies therefore it is in the second normal form	no transitive dependencies therefore it is in the third normal form	More than one mobile numbers can be added for an Officer	B,A

4.4.1.9 Officer

Name of Attribute	Symbol
Officer_id	A
First_name	B
Last_name	C
Title	D
Date_of_birth	E
Username	F
Password	G

Functional Dependencies	Closures	Candidate keys	Primary key selected	Partial Dependencies(prime->non-prime)	Transitive Dependencies (non-prime->non-prime)
ABC ->DEFG	(A)+={A,B,C,D,E,F,G}	A,F	A	none	none
A->BCDEFG	(B)+ ={B}				
F->BCDEGA	(C)+ ={C}				
	(D)+ ={D}				
	(E)+ ={E}				
	(F)+ ={F,A,B,C,D,E,G}				
	(G)+ ={G}				
	(ABC)+ ={A,B,C,D,E,F,G}				

1NF	2NF	3NF	Explanation	Final table
every cell has atomic values, every column has same type of attribute ,name of the attribute is unique	A->ABCDEFGF, F->ABCDEFGF functional dependencies does not fulfill the condition for partial dependencies, hence it is in 2NF and we can check for 3NF.The final table is made accordingly	No transitive dependencies therefore the table is in the third normal form	An Officer can be added to the Officer table.Only the officer can add prisoners and add jailors	A,B,C,D,E,F,G

5. Implementation

5.1 Introduction

Since we are building a full-scale website that includes a frontend and a backend, which further involves a complex database and its queries, we started from the backend. We Started by Designing the Basic Structure of the Schema, and after further discussions we designed the perfect ER Diagram. On Creating the ER Diagram, we developed the

Relational Schema through a thorough procedure of Normalization and Relational Mapping. On Creating the Necessary Tables with their Constraints, we developed the database use MySQL and its respective queries. On Developing and Testing the Database, we Developed the Frontend using HTML, CSS and JavaScript. We Integrated the Backend to the Frontend using PHP and its various functions, thus providing an effective interface for all users involved. We have also used PhpMyAdmin for testing the database, and XAMPP for hosting our website locally.

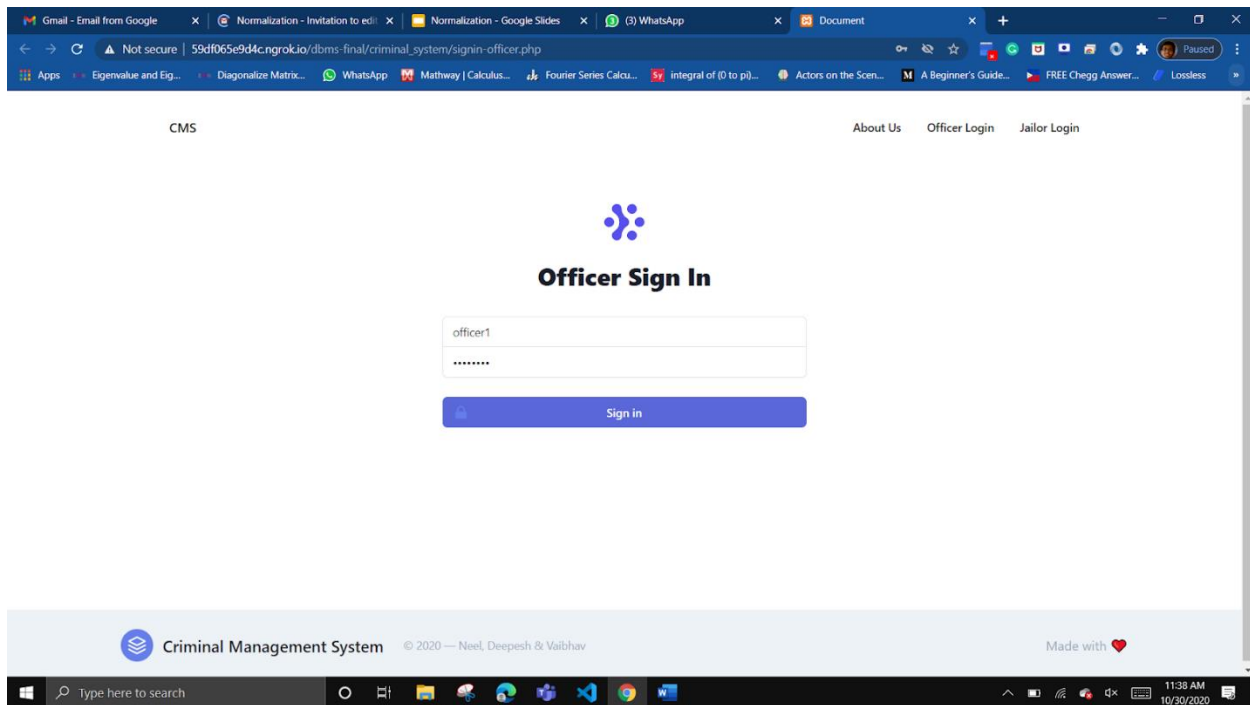
5.2 Implementation

Repository Link: [CRIMINAL DATABASE MANAGEMENT SYSTEM CODE](#)

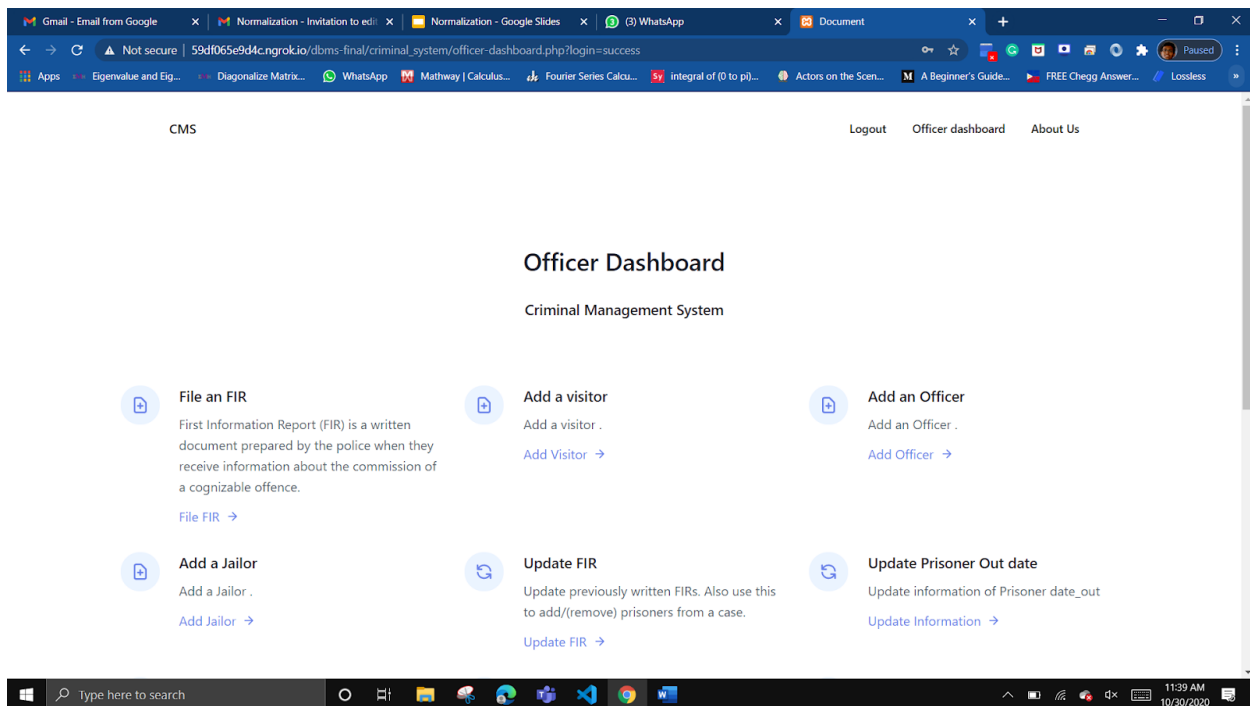
6. Snapshots of the Website

6.1 Officer

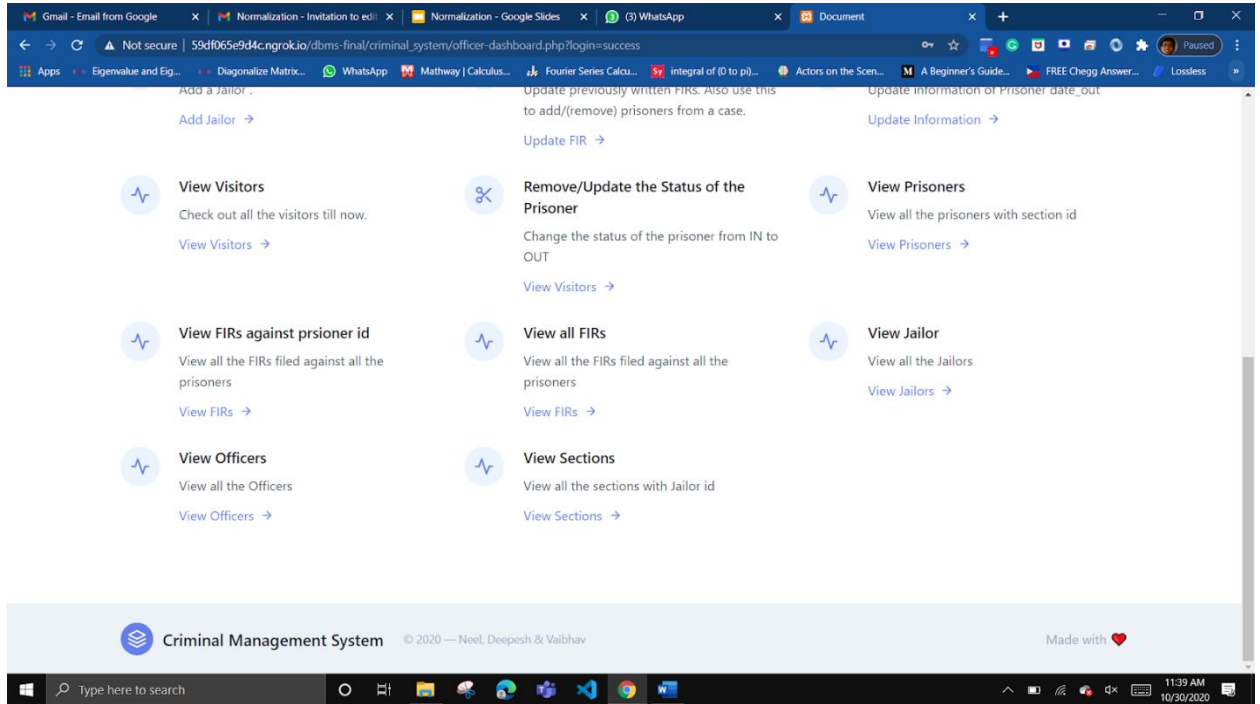
6.1.1.1 Officer Login



6.1.1.2 Officer Dashboard-1



6.1.1.3 Officer Dashboard-2



6.1.1.4 File a FIR

CMS Logout Officer dashboard About Us

Add an FIR

File an FIR against multiple criminals

Fir Number
142423

Crime
Theft

Date of FIR
10/31/2020

Officer ID
12

Description
he committed a serious theft

Add a Prisoner

Add a prisoner to the system

6.1.1.5 Add a Prisoner

Add a Prisoner

Add a prisoner to the system

First Name
Harry

Date in
10/22/2020

DOB
06/10/1980

Address
mirzapur

Last Name
Stones

Date Out
11/26/2020

Height(in cms)
176

Section ID
222

Submit

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6.1.1.6 Add a Visitor

Visitor Registration

Enroll yourself as a Visitor!

First Name	Last Name
<input type="text" value="Champu"/>	<input type="text" value="Lal"/>
Date and Time of Visit	Prisoner ID
<input type="text" value="10/21/2020"/>	<input type="text" value="4"/>

6.1.1.7 Add an Officer

Officer Registration

Enroll yourself as an Officer!

First Name	Last Name
<input type="text" value="Manohar"/>	<input type="text" value="Mishra"/>
Date of Birth	Title
<input type="text" value="07/19/1985"/>	<input type="text" value="Head"/>
Mobile Number 1	Mobile Number 2
<input type="text" value="9446220719"/>	<input type="text" value="6656067937"/>
Username	Password
<input type="text" value="manoharlal"/>	<input type="password" value="*****"/>
Confirm Password	
<input type="password" value="*****"/>	

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6.1.1.8 Add a Jailor

Jailor Registration

Enroll yourself as a Jailor!

First Name	Last Name
<input type="text" value="Kishan"/>	<input type="text" value="Bedh"/>
Mobile Number 1	Mobile Number 2
<input type="text" value="9587518467"/>	<input type="text" value="4798996936"/>
Username	Password
<input type="text" value="kishla"/>	<input type="password" value="*****"/>
Confirm Password	Section ID
<input type="password" value="*****"/>	<input type="text" value="333"/>
Section Name	
<input type="text" value="D"/>	

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6.1.1.9 Update the FIR

CMS Logout Officer dashboard About Us

Add a prisoner to a case

Enter the fir number and Prisoner ID

Prisoner ID

FIR Number

6.1.1.10 Update Prisoner Out Date

CMS Logout Officer dashboard About Us

Update the Out date of a prisoner

Enter the Prisoner ID and the new out date.

Prisoner ID

Date Out

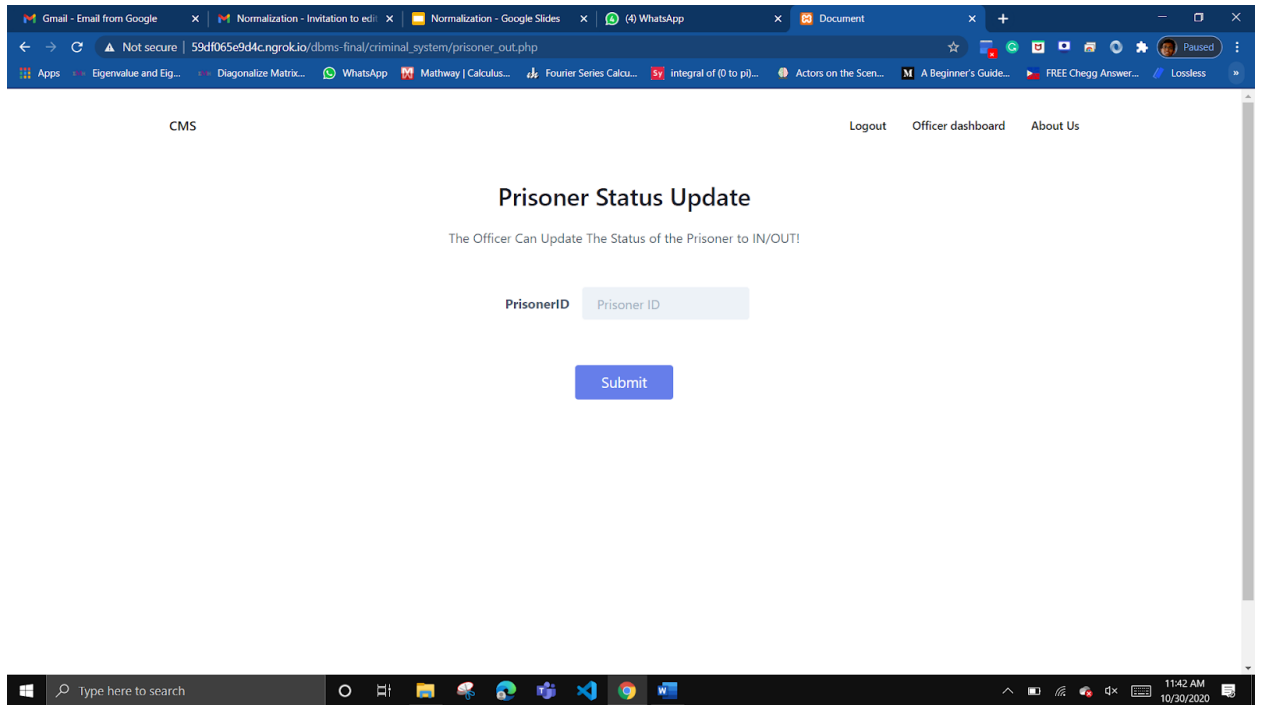
6.1.1.11 View Visitors

The screenshot shows a web browser window with multiple tabs. The active tab is titled "Random 10 Digit Number G...". The address bar shows a "Not secure" connection to "59d065e9d4cngrok.io/dbms-final/criminal_system/Visitor_view.php". The page content includes a header with "CMS" on the left and "Logout", "Officer dashboard", and "About Us" on the right. The main heading is "Visitors visited". Below it is a table with the following data:

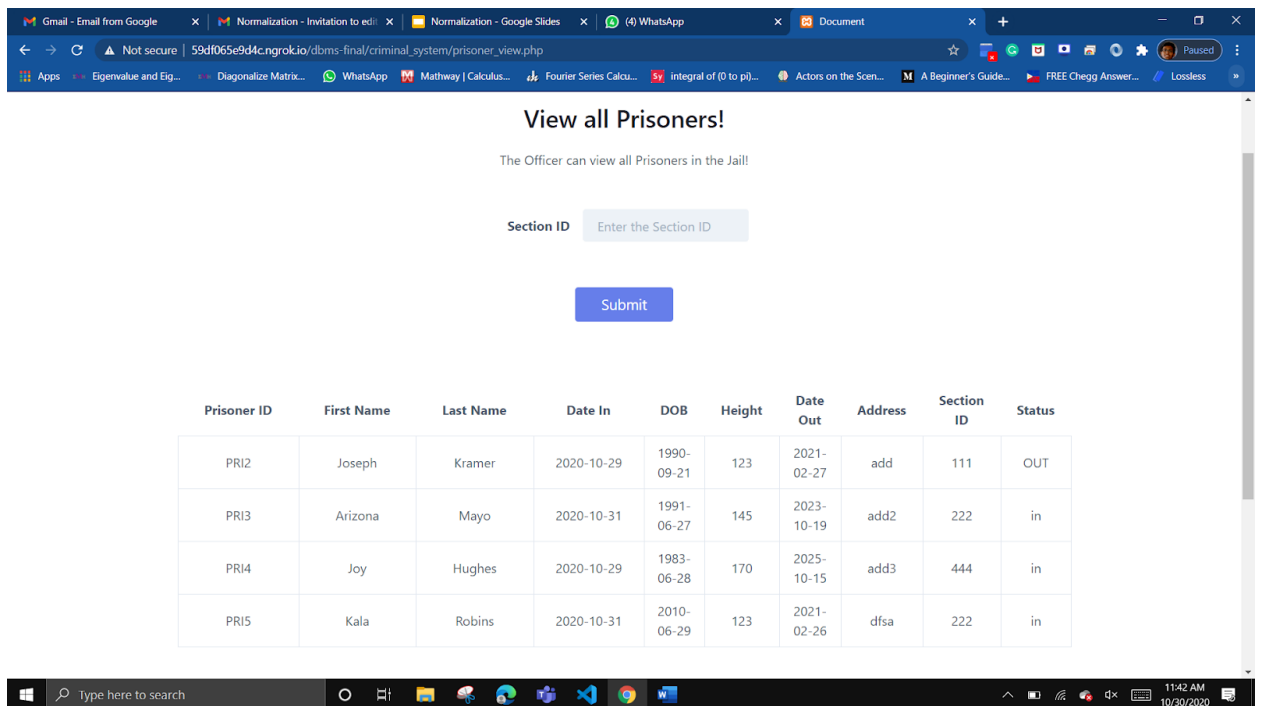
Visitor ID	First Name	Last Name	Visit Date	Prisoner ID
1	Kala	Shami	2020-10-29	PR12
2	Josh	Dua	2020-10-22	PR15
3	Todd	Packard	2020-10-14	PR12
4	Mayo	Limt	2020-10-13	PR13

The Windows taskbar at the bottom shows the search bar with "Type here to search", several application icons, and the system clock displaying "12:20 PM 10/30/2020".

6.1.1.12 Remove/Update the status of the Prisoner



6.1.1.13 View Prisoners



6.1.1.14 View FIRs against Prisoner ID

The screenshot shows a web browser window with multiple tabs. The active tab is titled "Document" and shows a web page with the URL "59df065e9d4cngrokio/dbms-final/criminal_system/fir_against_view.php". The page has a header with "CMS" on the left and "Logout", "Officer dashboard", and "About Us" on the right. The main content area is titled "FIR against prisoners" and displays a table with two columns: "FIR Number" and "Prisoner ID". The table contains five rows of data.

FIR Number	Prisoner ID
2231	2
234567	5
443212	2
443212	3
451332	4

6.1.1.15 View all FIRs

Gmail - Email from Google x Normalization - Invitation to edit x Normalization - Google Slides x (4) WhatsApp x Document x

Not secure | 59df065e9d4cngrokio/dbms-final/criminal_system/fir_view.php

Apps Eigenvalue and Eig... Diagonalize Matrix... WhatsApp Mathway | Calculus... Fourier Series Calcul... integral of (0 to pi)... Actors on the Scen... A Beginner's Guide... FREE Chegg Answer... Lossless

CMS Logout Officer dashboard About Us

Details of FIR against prisoners

FIR Number	Description	Date of FIR	Case Type	Officer ID	Prisoner ID
2231	Murder	2020-10-28	Murder	OFF1	PRI2
234567	adf	2020-10-29	Murder	OFF1	PRI5
443212	Theft	2020-10-01	Theft	OFF1	PRI2
443212	Theft	2020-10-01	Theft	OFF1	PRI3
451332	1992	2020-10-22	Fraud	OFF1	PRI4

Type here to search

11:43 AM 10/30/2020

6.1.1.16 View all the Unassigned Jailors

Gmail - Email from Google x Normalization - Invitation to edit x Normalization - Google Slides x (4) WhatsApp x Document x

Not secure | 59df065e9d4cngrokio/dbms-final/criminal_system/jailor_view.php

Apps Eigenvalue and Eig... Diagonalize Matrix... WhatsApp Mathway | Calculus... Fourier Series Calcul... integral of (0 to pi)... Actors on the Scen... A Beginner's Guide... FREE Chegg Answer... Lossless

CMS Logout Officer dashboard About Us

Jailors removed

Jailor ID	First Name	Last Name	Mobile Number
JAI5	Rob	Cole	8251538586
JAI11	Vaibhav	Chopra	1233445555
JAI12	dddd	aaaa	2222211111

Type here to search

11:43 AM 10/30/2020

6.1.1.17 View Officers

CMS Logout Officer dashboard About Us

Officers present

Officer ID	First Name	Last Name	Title	Date Of Birth	Mobile Number
OFF1	Shaun	Brown	Inspector	1960-01-12	1234567890
OFF17	jkl	kljadf	hghe	2020-10-15	3433433433
OFF17	jkl	kljadf	hghe	2020-10-15	4344344344
OFF18	fff	aaaa	hghe	2020-10-15	2280448891
OFF18	fff	aaaa	hghe	2020-10-15	2280448899
OFF19	ttt	aaaat	hghed	2020-10-15	3629097972
OFF19	ttt	aaaat	hghed	2020-10-15	3629097971

6.1.1.18 View Sections

Sections present in the prison

Section ID	Section Name	Jailor ID	First_name	Last_name	Mobile number
SEC222	B	JAI2	Marcus	Quay	6559892327
SEC444	D	JAI9	Kaha	La	5493934811
SEC555	E	JAI14	jfaha	aharh	3568857344
SEC555	E	JAI14	jfaha	aharh	3568857343
SEC333	C	JAI15	klhiun	lkjklk	6532419215
SEC333	C	JAI15	klhiun	lkjklk	6532419214

6.2 Jailor

6.2.1.1 Jailor Login

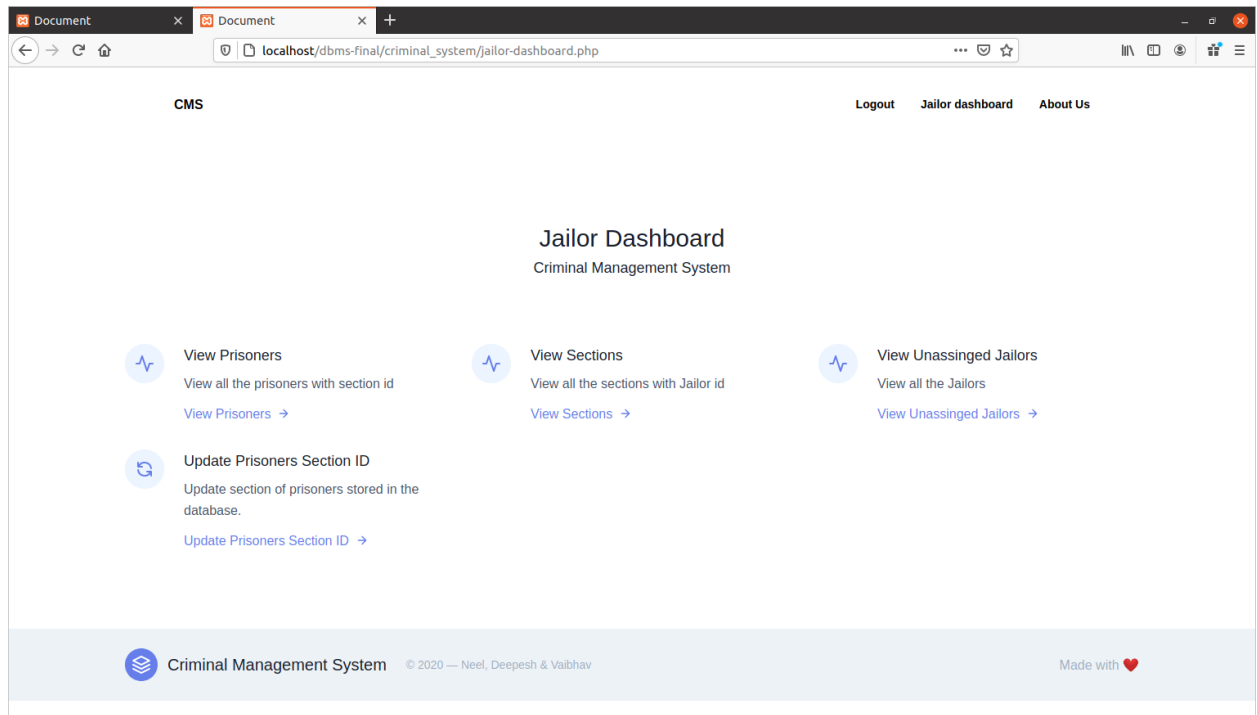
Jailor Sign In

jailor1

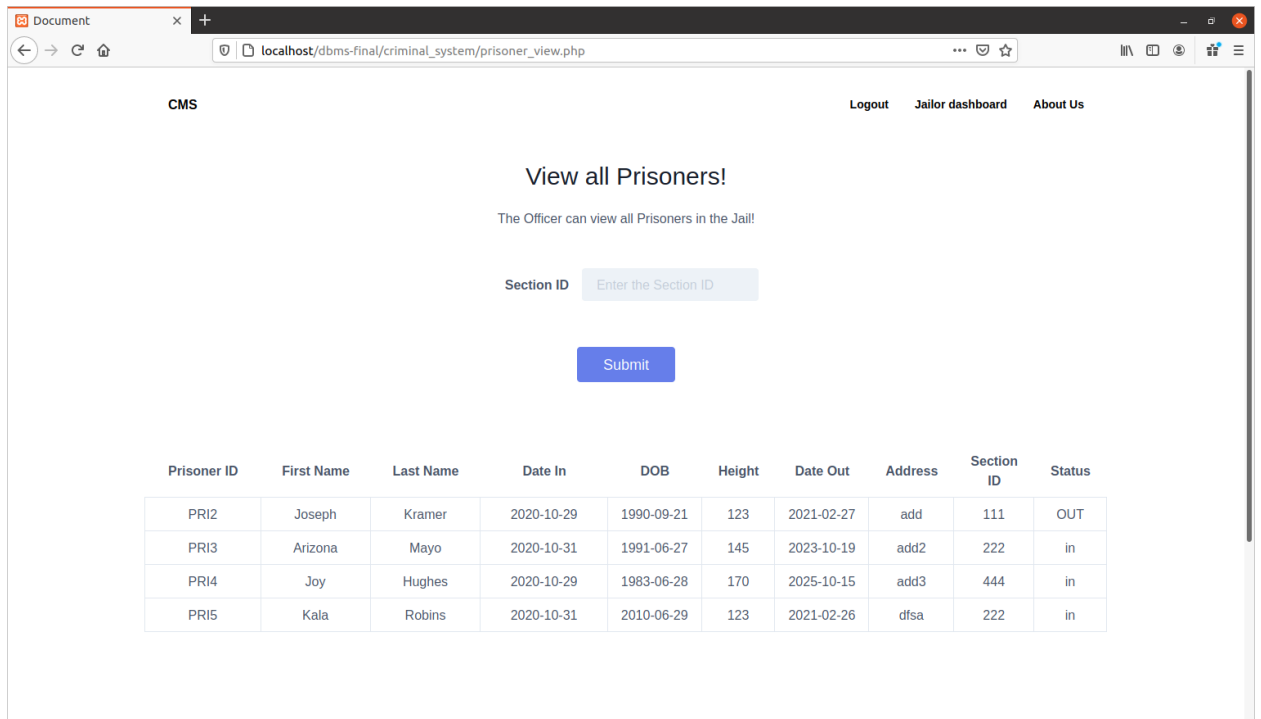
Sign in

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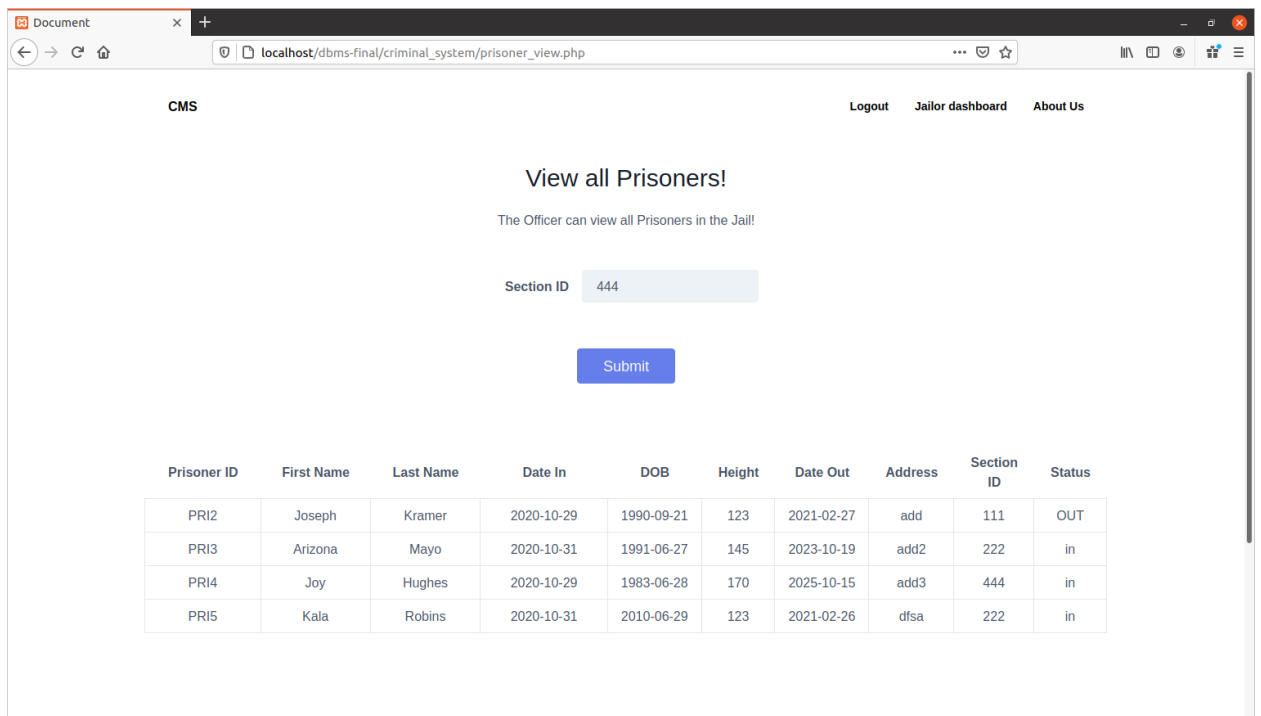
6.2.1.2 Jailor Dashboard



6.2.1.3 View Prisoners



6.2.1.4 Search for Prisoners by Section ID




Document
+
localhost/dbms-final/criminal_system/includes/prisoner_view.inc.php

CMS
Logout
Jailor dashboard
About Us

Search again

Prisoner ID	First Name	Last Name	Date In	DOB	Height	Date Out	Address	Section ID	Status_inout
4	Joy	Hughes	2020-10-29	1983-06-28	170	2025-10-15	add3	444	in


Criminal Management System
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6.2.1.5 View Sections with Jailor Information

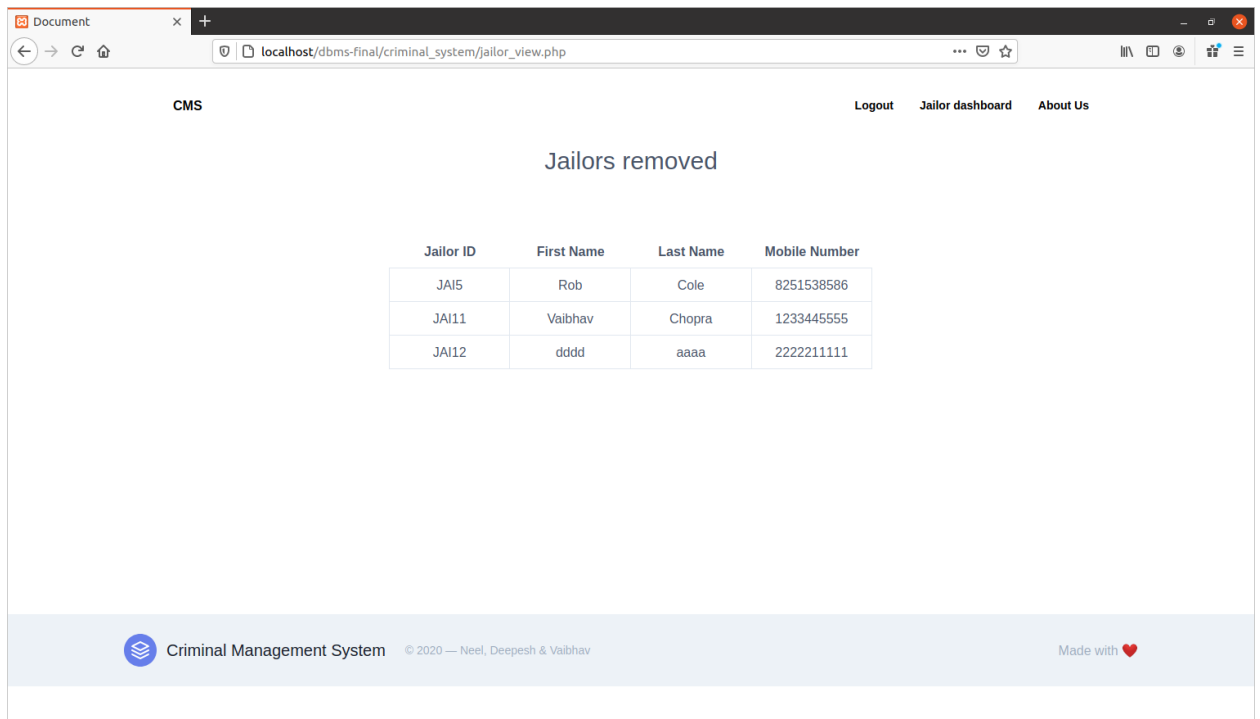
Document
+
localhost/dbms-final/criminal_system/section_view.php

CMS
Logout
Jailor dashboard
About Us

Sections present in the prison

Section ID	Section Name	Jailor ID	First_name	Last_name	Mobile number
SEC222	B	JAI2	Marcus	Quay	6559892327
SEC444	D	JAI9	Kaha	La	5493934811
SEC555	E	JAI14	jfaha	aharh	3568857344
SEC555	E	JAI14	jfaha	aharh	3568857343
SEC333	C	JAI15	klhiun	lkjkik	6532419215
SEC333	C	JAI15	klhiun	lkjkik	6532419214

6.2.1.6 View the Unassigned Jailors

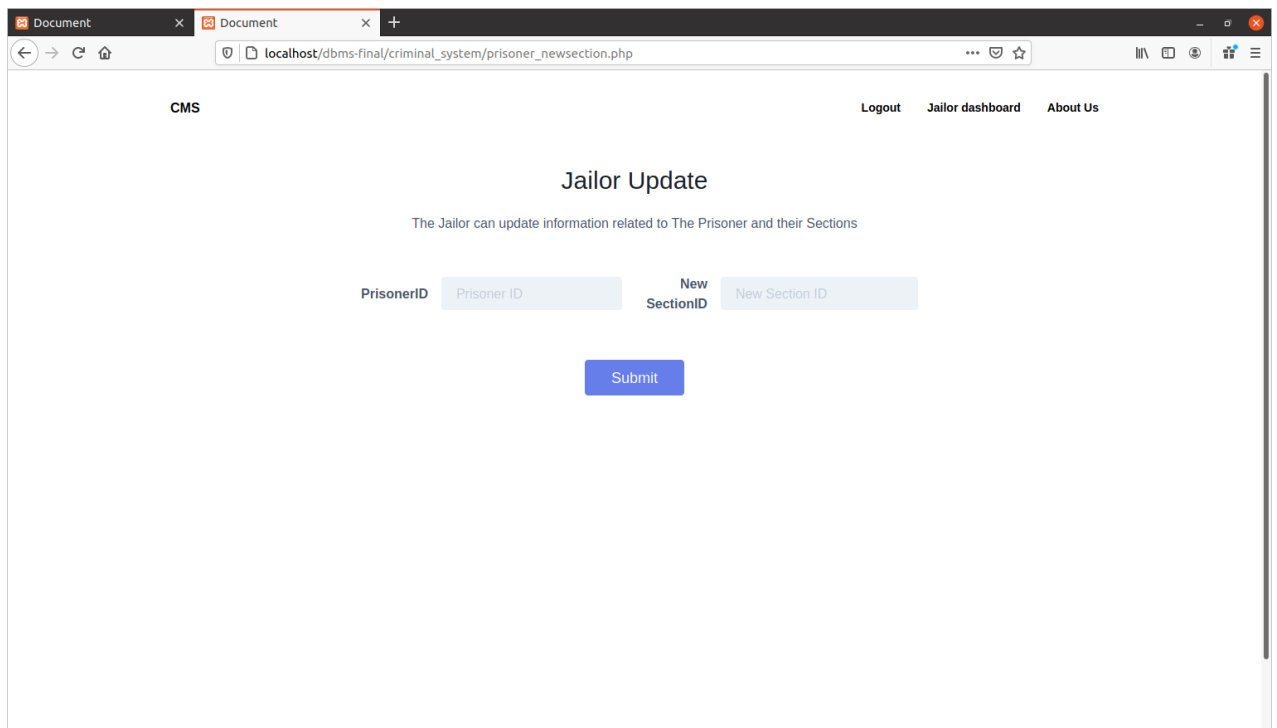


The screenshot shows a web browser window with the URL `localhost/dbms-final/criminal_system/jailor_view.php`. The page is titled "Jailors removed" and displays a table with the following data:

Jailor ID	First Name	Last Name	Mobile Number
JAI5	Rob	Cole	8251538586
JAI11	Vaibhav	Chopra	1233445555
JAI12	dddd	aaaa	2222211111

The page footer includes the text "Criminal Management System © 2020 — Neel, Deepesh & Vaibhav" and "Made with ❤️".

6.2.1.7 Update Prisoner's Section



The screenshot shows a web browser window with the URL `localhost/dbms-final/criminal_system/prisoner_newsection.php`. The page is titled "Jailor Update" and contains the following text: "The Jailor can update information related to The Prisoner and their Sections".

The form includes two input fields: "PrisonerID" with the placeholder text "Prisoner ID" and "New SectionID" with the placeholder text "New Section ID". A blue "Submit" button is located below the input fields.

Prisoner ID	First Name	Last Name	Date In	DOB	Height	Date Out	Address	Section ID	Status
PRI2	Joseph	Kramer	2020-10-29	1990-09-21	123	2021-02-27	add	111	OUT
PRI3	Arizona	Mayo	2020-10-31	1991-06-27	145	2023-10-19	add2	222	in
PRI4	Joy	Hughes	2020-10-29	1983-06-28	170	2025-10-15	add3	444	in
PRI5	Kala	Robins	2020-10-31	2010-06-29	123	2021-02-26	dfsa	222	in

Jailor Update

The Jailor can update information related to The Prisoner and their Sections

PrisonerID

4

New SectionID

333|

Submit

Prisoners Section has been updated successfully!!

Jailor Update

The Jailor can update information related to The Prisoner and their Sections

PrisonerID

Prisoner ID

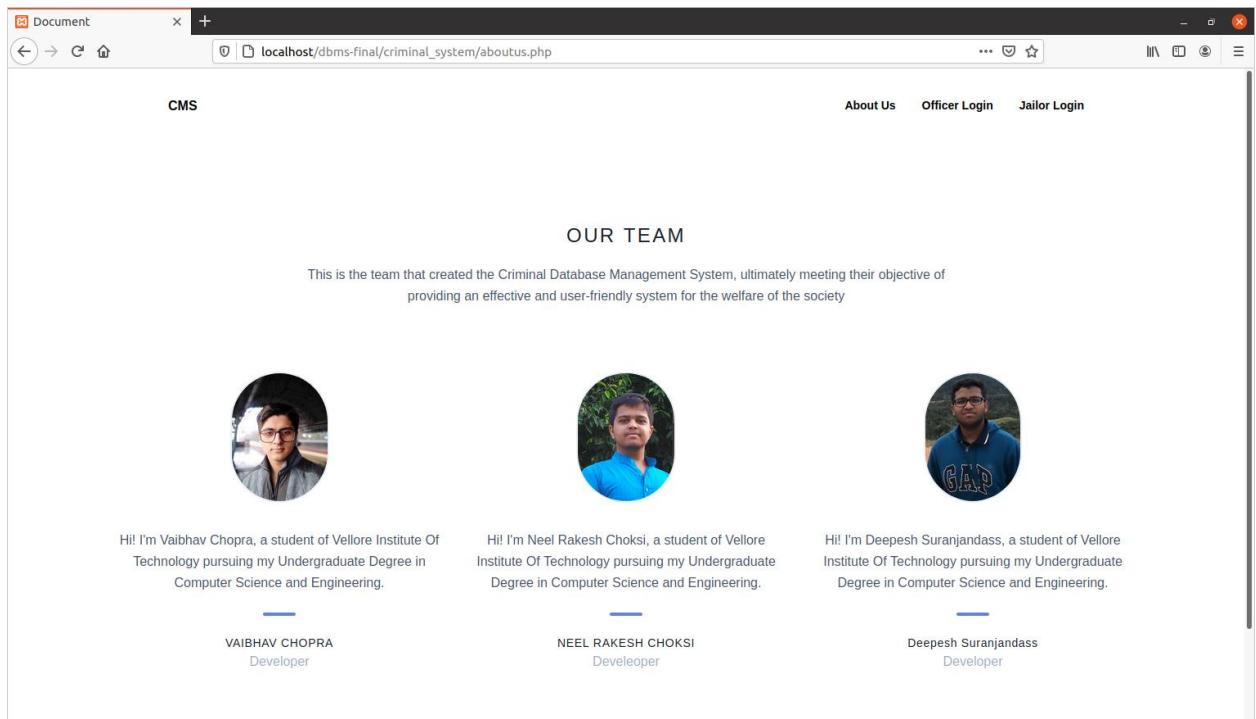
New SectionID

New Section ID

Submit

Prisoner ID	First Name	Last Name	Date In	DOB	Height	Date Out	Address	Section ID	Status
PRI2	Joseph	Kramer	2020-10-29	1990-09-21	123	2021-02-27	add	111	OUT
PRI3	Arizona	Mayo	2020-10-31	1991-06-27	145	2023-10-19	add2	222	in
PRI4	Joy	Hughes	2020-10-29	1983-06-28	170	2025-10-15	add3	333	in
PRI5	Kala	Robins	2020-10-31	2010-06-29	123	2021-02-26	dfsa	222	in

6.2.1.8 About Us



7. Conclusion and Future Work

7.1 Conclusion

We would like to conclude this project by saying that we have successfully implemented it and achieved our objective. The Criminal Database Management System we have made caters to the right users and provides an effective use. Through this process we also learnt the usage of various technologies like PHP and got to put our existing knowledge of MySQL to work. We would like to thank Dr.Angulakshmi M Ma'am for providing us this esteemed opportunity to showcase our skills.

7.2 Future Work

The Future Scope of this Project includes the further enhancements we can make in order to make it more feasible. Firstly, we would like to ensure further protection maybe via hardware driven devices like an iris scanner or fingerprint scanner. Secondly, We would also probably like to integrate our database management system with secure cloud services to ensure proper backup of information. Lastly, we will aim for multilingual support in order to serve a larger audience and increase user friendliness.

8. References

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