

ONLINE PRISON INFORMATION AND MANAGEMENT SYSTEM

BY

MD. SAZZAD HOSSAIN
ID: 173-15-10447

This Report Presented in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science and Engineering

Supervised By

Md. Sadekur Rahman
Assistant Professor
Department of CSE
Daffodil International University

Co-Supervised By

Md. Tarek Habib
Assistant Professor
Department of CSE
Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

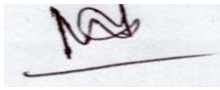
DHAKA, BANGLADESH

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APPROVAL

This Project/internship titled “**Online Prison Information and Management System**”, submitted by Md. Sazzad Hossain, ID No: 173-15-10447 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on January 02, 2022.

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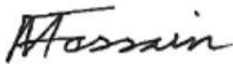
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Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University



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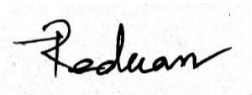
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Faculty of Science & Information Technology

Daffodil International University



Internal Examiner

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Department of Computer Science and Engineering

Faculty of Science & Information Technology

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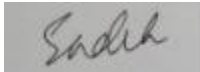
Department of Computer Science and Engineering

Jahangirnagar University

DECLARATION

We hereby declare that; this project has been done by us under the supervision of **Md. Sadekur Rahman, Assistant Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

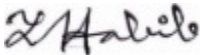
Supervised by:



Md. Sadekur Rahman

Assistant Professor
Department of CSE
Daffodil International University

Co-Supervised by:



Md. Tarek Habib

Assistant Professor
Department of CSE
Daffodil International University

Submitted by:



Md. Sazzad Hossain

ID: 173-15-10447
Department of CSE
Daffodil International University

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ABSTRACT

Online Prison Management Information in Bangladesh is Information and management of all prisoners. The information or data are stored as accuracy is important and it also important to ensure the security of that data of prisons. Data are stored as some category based such as Prisoner's information, Prisoner's Punishment, Meal Management, Transfer of prisoners, Prisoner's visitor management, Prisoners Medical Information, Prisoner's release and also stored data of prisons employees who are a user of this system. This style of data administration frequently leads in human mistake, information retrieval delays, and other issues. As a result, for the Nigerian prison service Enugu command, an online jail management system was built and installed to handle prisoner data. Her project was completed successfully, and the end result is a single management system that merges all of a prisoner's information into a single profile that can be quickly accessible, improving prison administration's overall efficiency.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Prison is a contemporary civilization institution designed to better convicts and help them grow into civilized individuals. People can get involved in crime for a variety of reasons. In addition to the punishment according to the law, it is the responsibility of the Bangladesh Prison Department to make amends. "Keep safe, show the path of light," by highlighting this principle and helping to correct the wrongdoers who come to the prisons of the country to understand their mistakes and correct them. And the present administration has been working tirelessly to provide the right training in line with the present age and to return it to the society as a skilled human resource.

1.2 Objectives

- To ensure safe custody of prisoners.
- To provide human treatment to prisoners.
- To ensure proper accommodation, food, medical and meeting with relatives, friends and lawyers.
- To provide the necessary motivation and training to rehabilitate society as a citizen.

1.3 Motivation

Keep safe, show the path of light. prison department is one of the most important part of the criminal justice system of the home ministry. The jail division is comprised of the prison headquarters, seven divisional prison offices and sixty-eight prisons. All the functions of the prison department are controlled and managed from the prison headquarters. The administration of the prison department is headed by a superintendent inspector general and eight prison sub-inspectors led by the Inspector General of Prisons. At the prison level he served as the head of the jail super/senior jail super office.

1.4 Expected Outcome

An instructional objective of this system is all information of prison which are prisoner related are store correctly and can access information easily in online and offline both. And to do secured of all information.

1.5 Report Layout

- The purpose, aims, and projected outcomes of our study are presented in Chapter 1 of the report.
- Our project history, related work, scope, and project obstacles are detailed in Chapter 2 of the report.
- We discussed the project's importance in Chapter 3 of the report. We defined business process modeling, requirement gathering and analysis, and use case modeling and description in this part. The needs for a logical data model and architecture have also been considered.
- The project's front-end and back-end designs were detailed in Chapter 4 of the report. We also mentioned the chapter's implementation requirements.
- The implementation of the complete project was shown in Chapter 5 of the report, and every component of the project was tested to see if the program worked as planned.
- In We ended chapter 6 of the report and examined the project's potential for further growth. The relevant reference that the data in the report must be correct is offered at the end of the report.

CHAPTER 2

BACKGROUND

2.1 Introduction

This chapter contains information on understanding the fundamental concepts of online prison management system. In this Chapter, prison management system is defined and the advantages and disadvantages of use are discussed. This chapter also describes the impact of prison management system of Bangladesh.

A successful project depends on how the project timeline has been followed what is the necessary design and resource that will be needed before implementation phase this chapter deals with the fundamental states, programming language, database design, all functions and the time line of this project.

2.2 Related Works

In different nations, there are numerous online prison management system. Be that as it may, in our nation, there are no online prison management system. Prior to starting our work, we look for initiatives that would be compatible with our ideas. We've uncovered several projects that are quite similar to ours. The following are a few of them.

2.2.1 Prison Management System A web-based prison management system is an online program that helps with inmate record administration and manipulation. The Prison Management System is a web-based application written in PHP [1].

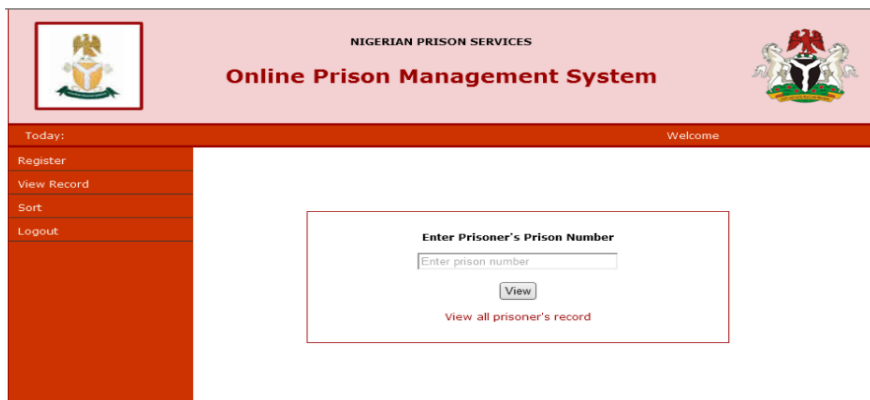


Figure 2.1: A Screenshot of prison management system

2.2.2 PHP Online Prison Management System



Figure 2.2: A Screenshot of PHP Online Prison Management System

2.2.3 Prison Management system 1crore Project

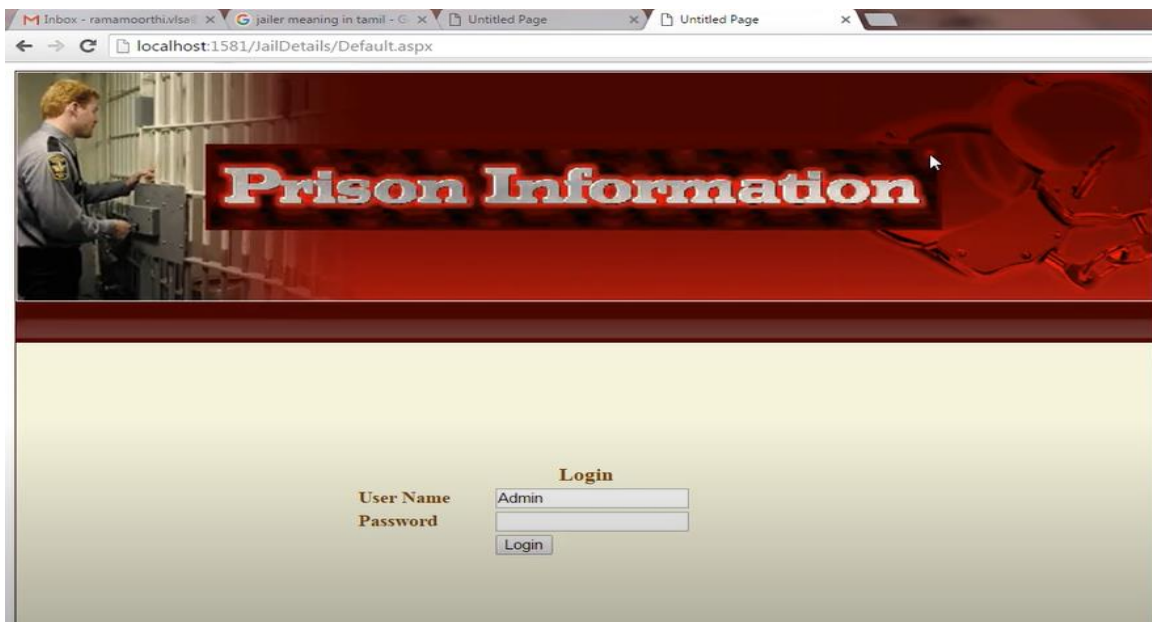


Figure 2.3: A Screenshot of Prison Management System 1crore project

2.3 Scope of the Problem

This project's main purpose is to develop an online jail management system. Inmates' photographs, convictions, offenses, visits, residences, and jail term records, among other things, are all included in the system.

2.4 Challenges

When we start working, we will face a few obstacles. In order to complete our project, we must first overcome a few challenges. Making something calm fresh is always a challenge. When we first pitched our company, we were asked whether it had any marketed values. This question demotivated us because we were not proficient.

New services may face several obstacles. There are also rivalries and challenges. These are issuing those developers must address. Regardless of whether there is a glitch or a requirement, developers have solved it on time.

We're striving to put information together with no margin for error. Because our program is web-based and dynamic, we need to maintain a lot of information up to date. We are the designers, and we are here to help.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Business process modeling is a strategy for characterizing a system's work process. The system's basic properties are depicted in the flow diagram. In business process the board and frameworks building, business process modeling is the action of speaking to procedures of a firm so that the present procedure may be examined, enhanced, and computerized. Typically, the business aim is to speed up or shorten processes, enhance quality, or decrease costs.

In reality, the need to disclose requirements for a data innovation project often motivates a company to invest in business process visualization.

3.1.1 Zero Level DFD Of OPMIS

Level 0 Data Flow Diagram (DFD) which illustrates the initial requirements (business requirements) Prison Management System. It includes the details about user which are; country head, Jailer, and the Prisoner in which the user requests to the system and result is shown.

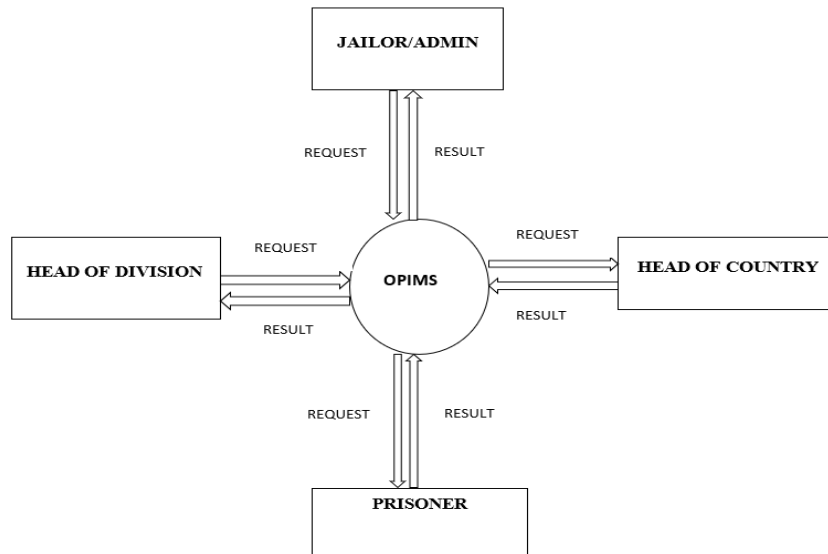


Figure 3.1: Zero Level DFD of OPMIS

3.1.2 First Level DFD Of OPMIS

Level 1 Data Flow Diagram (DFD) which illustrates the record of prisoner in which user can; Add, Update, Delete, Generate report, Preview prisoner details.

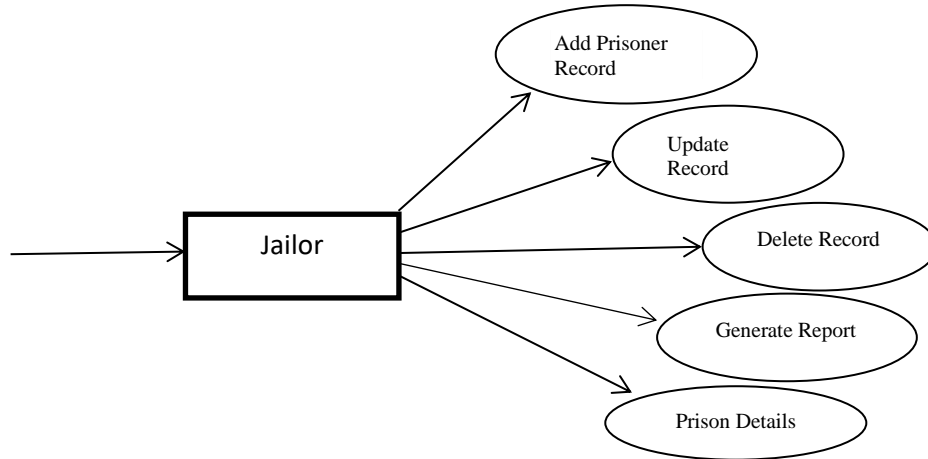


Figure: 3.2: First Level DFD of OPMIS

3.1.3 Second Level DFD of OPMIS

Level 2 Data Flow Diagram (DFD) which illustrates the Prisoner request for details which includes his Crime, Punishment and Case details.

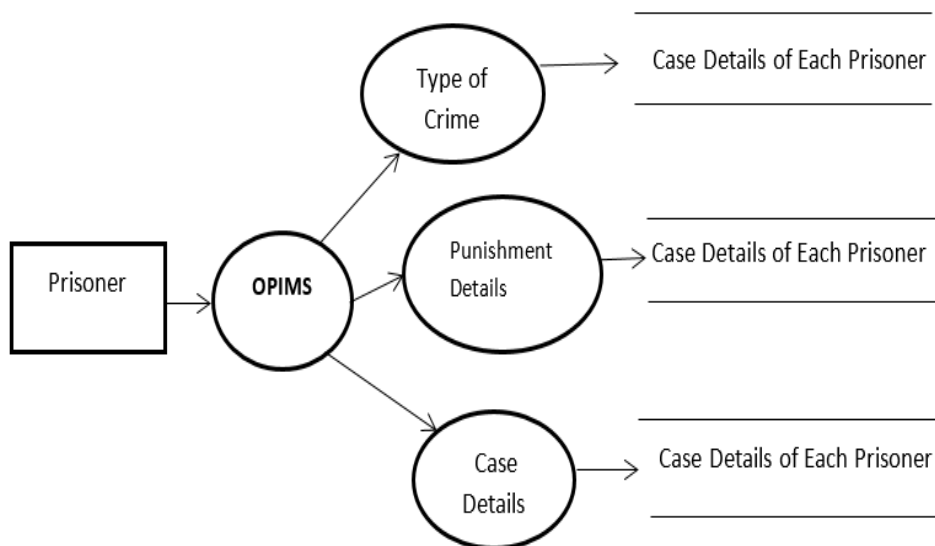


Figure: 3.3: Second Level DFD of OPMIS

3.1.4 Third Level DFD of OPIMS

Level 3 Data Flow Diagram (DFD) which illustrates the Prisoner request for details which includes his, Prisoner's entry, Prisoner's information, Jailer information etc.

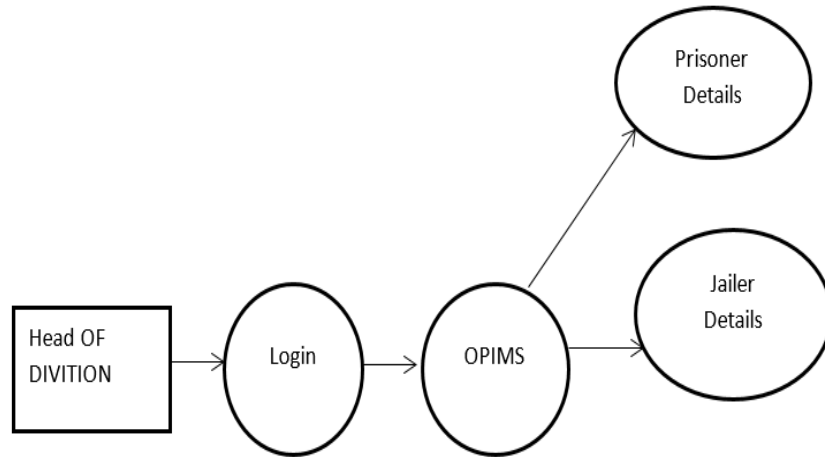


Figure 3.4: Third level DFD of OPIMS

3.2 Requirement Collection and Analysis

Some procedures must be followed in order to accomplish this project. These are the following:

- Concept Development and Analysis

3.2.1 Concept Development and Analysis

In this project this was our first step. In this step we developed the concept and after that we made some analysis. Actually, it was a w-h. Like-

How it will work?

- What will be the main features?
- Who will be the user of this project?
- How it will be user friendly?
- How we will be able to manage this project? Etc.

To solve the entire above question, we start to collect information and after getting all the answers we just think about the next step.

3.3 Use Case Modeling and Description

The ER, or Entity Relational Model, is a conceptual data model diagram at a high level. The Entity-Relation model is built on the concept of real-world entities and their interactions. An ER model is a database architecture or blueprint that may be implemented as a database later. Entity set and relationship set are the two fundamental components of the E-R model.

What is an ER Diagram (Entity Relationship Diagram)?

The link between entity sets is depicted using an ER diagram. An entity set is a collection of comparable entities that may or may not contain properties. An entity in a database management system is a table or an attribute of a table, hence an ER diagram depicts the whole logical structure of a database by displaying relationships between tables and their characteristics. To further comprehend this notion, let's look at a simple ER diagram.

3.3.1 Components of an ER Diagram

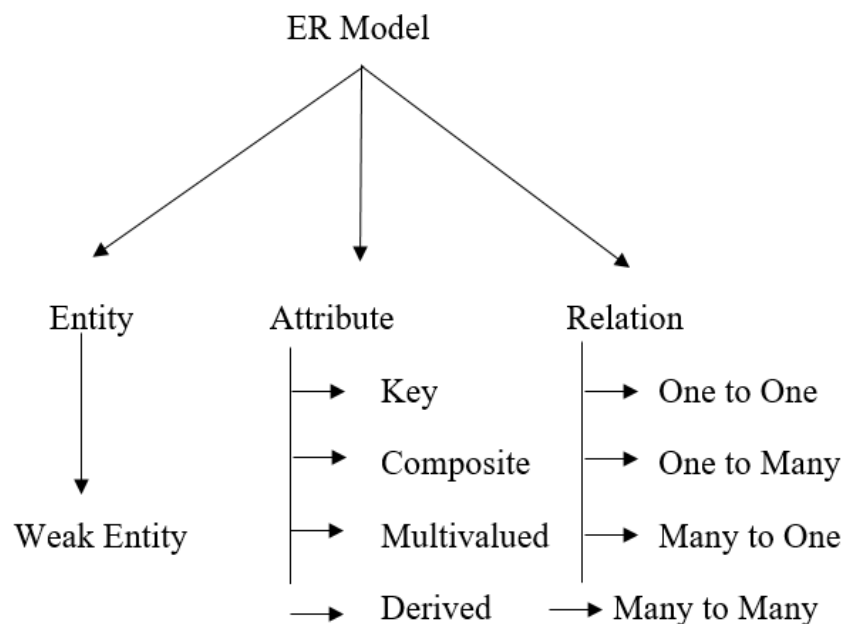


Figure 3.5: Components of an E-R Diagram

An ER diagram contains three essential components, as indicated in the picture above:

1. Entity
2. Attribute
3. Relationship

3.3.2 ER-Diagram of OPMIS

The concept of the Online Prison Management Information System Entity is represented by this ER (Entity Relationship) Diagram. The entity relationship diagram for the Online Prison Management Information System depicts all of the database tables' visual instruments as well as the relationships between prisoner information, prisoner punishment entry, prisoner transfer entry, and prisoner transfer receive.

ER-Diagram:

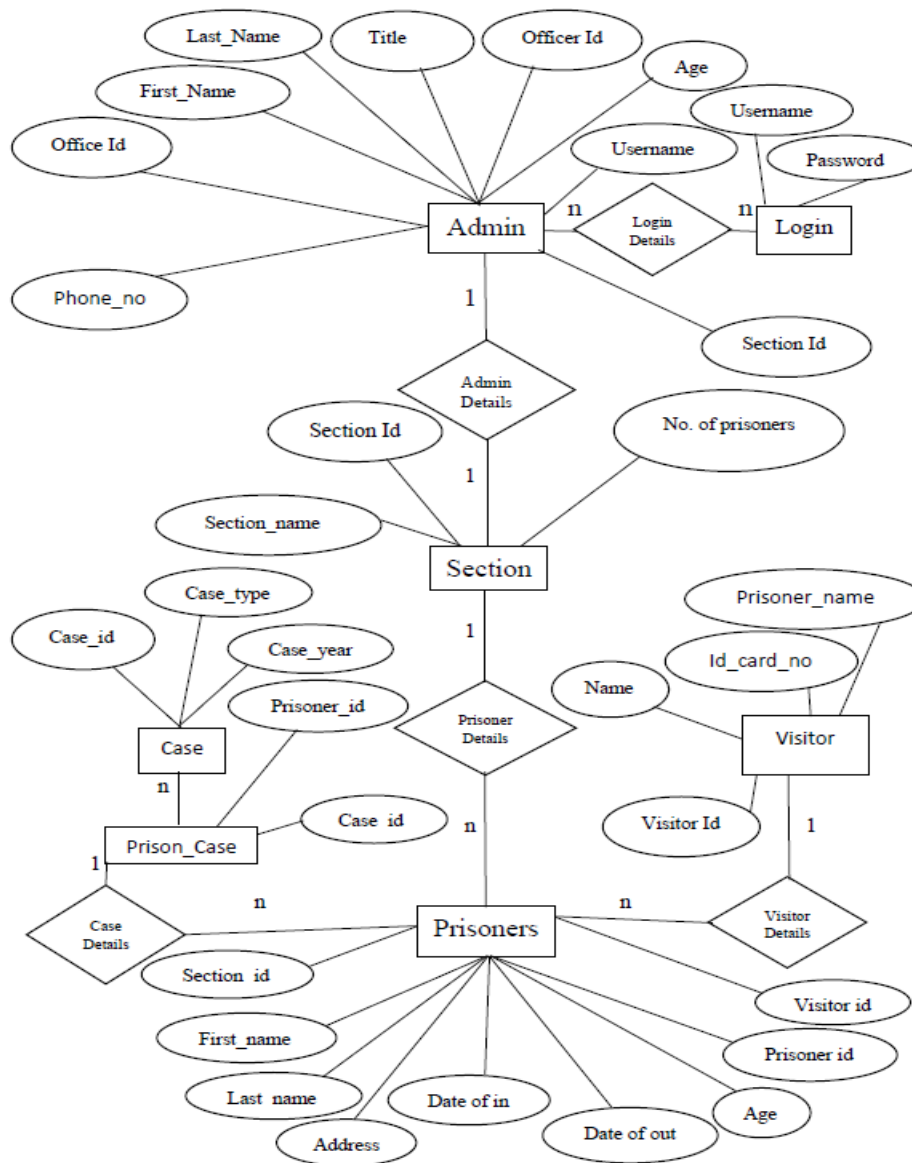


Figure 3.6: ER-Diagram Of OPIMS

3.4 Design Requirements

Software design is the process by which an agent generates a specification for a software artifact that is meant to achieve goals and is based on a set of primitive components and restrictions. "All the processes involved in envisioning, framing, implementing, commissioning, and eventually altering complex systems" or "the activity following requirements definition" are two ways to describe software design.

To develop this project, the various tools are used. Such as-

- (APEX) Oracle Application Express
- Adobe Photoshop & Illustrator
- SQL
- PL/SQL
- HTML
- CSS
- JAVA
- J-QUERY

3.4.1 Oracle Application Express (APEX)

Oracle Application Express (APEX) is a low-code development platform that allows you to create scalable, secure corporate programs that can be deployed anywhere. Oracle APEX is a no-cost feature of Oracle Database that is fully maintained. This indicates you already have Oracle APEX if you have Oracle Database. We utilized Oracle Application Express (APEX) for the project's database and user interface, as well as an editor. One of the most significant benefits of Oracle APEX is that you get native access to all Oracle Database features [1].

3.4.2 Adobe Photoshop and Illustrator

There graphic design tools are used for designing some picture and logo. After making and editing the picture and logo we have used it in this project [2].

3.4.3 SQL

Structured Query Language (SQL) is an acronym for Structured Query Language. SQL is a language for interacting with databases. It is the standard language for relational database management systems, according to ANSI (American National Standards Institute). SQL is a computer language that was created to manage data stored in a relational database management system (RDBMS) [3].

3.4.4 PL/SQL

PL/SQL is a procedural language extension to Structured Query Language used in Oracle Relational Database Management (SQL). In PL/SQL, Structure Query Language is employed. PL/SQL is a database and procedural programming language that combines the two [4].

3.4.5 HTML

Hyper Text Markup Language is the abbreviation for Hyper Text Markup Language. HTML is the most widely used markup language on the internet. HTML elements are the components that make up HTML pages. Images and other objects, such as interactive forms, can be embedded in the produced page using HTML techniques. HTML allows you to construct organized documents by indicating structural semantics for text elements like headers, paragraphs, lists, links, quotations, and other elements. Our project pages were created using HTML [5].

3.4.6 CSS

Cascading Style Sheets (CSS) is an acronym for Cascading Style Sheets. CSS specifies how HTML components should appear on a screen, in print, or in other media. CSS helps you save time and effort. It has the ability to control the layout of numerous web pages at the same time. CSS files include external style sheets. CSS is used to specify the design, layout, and display variants for different devices and screen sizes on your web pages. Our project pages were created using CSS [6].

3.4.7 JAVA

Java is a class-based, object-oriented programming language that is meant to have as few implementation dependencies as feasible. Its goal is to allow application developers to write once and run anywhere, which means that generated Java code may run on any platform that supports Java without requiring recompilation [7].

3.4.8 j Query

The goal of jQuery is to make using JavaScript on your website much easier. jQuery wraps a number of typical activities that require a lot of lines of JavaScript code into methods that can be called with only one line of code [8].

CHAPTER 4

DESIGN SPECIFICATION

A user guide, also known as a technical communication document or handbook, is a document designed to assist people who are using a certain technology. User manuals are often created by technical writers, although they can also be authored by programmers, product or project managers, or other technical workers, especially in smaller businesses.

Although they may be prepared for any product, user manuals are most usually linked with electronic items, computer gear, and software.

The majority of user manuals include both a textual guide and accompanying graphics. Screenshots of the human-machine interface(s) are common in computer programs, and hardware instructions frequently feature simple, simplified schematics. The language chosen is appropriate for the target audience, with jargon reduced to a minimum or properly explained.

4.1 User Login Screen

User Login Screen is shown in Figure-5.1 below:

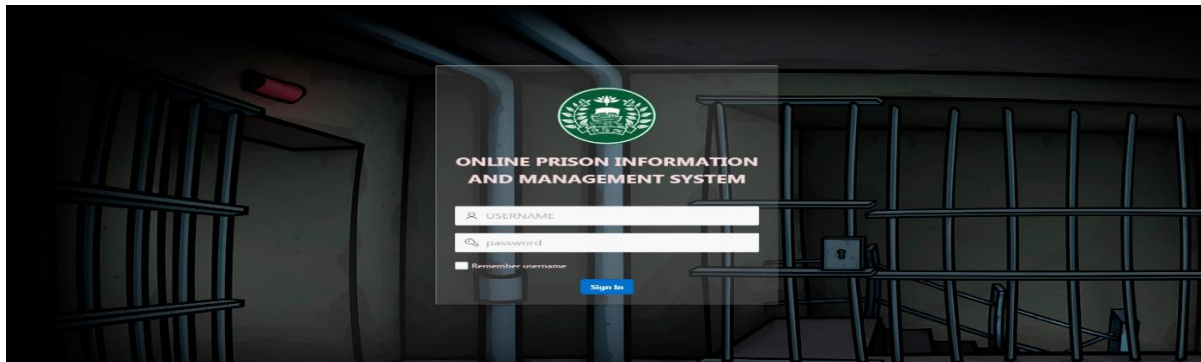


Figure 4.1: User Login Screen

4.2 Home Screen

Home Screen/Dashboard is shown in Figure-5.2below:

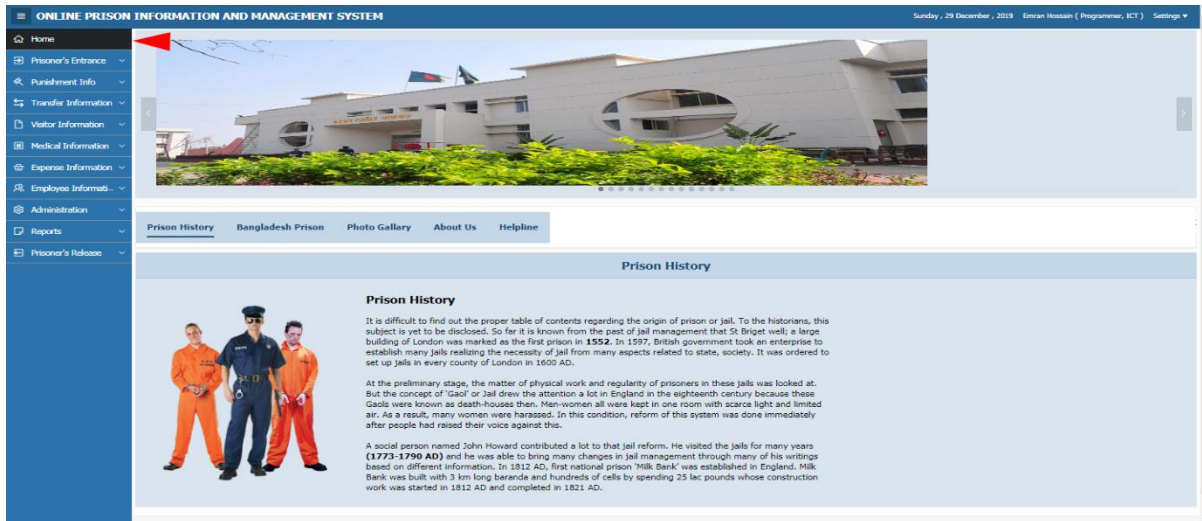


Figure 4.2: Home Screen

Home screens are often made up of a grid of application links or shortcuts that can be spread across numerous pages and serve as the user's primary means of accessing phone operations. Home displays frequently contain a dock along the screen's edge, where application links may be saved and retrieved from any page on the home screen.

4.3 New Prisoner's Entrance

Prisoner's information entry option is shown in Figure-4.3 below:

New Prisoner Entry

* Prisoner's Full Name: Istiaq Ahmed

Nick Name: Rafi

* Father's Name: A

* Mother's Name: B

* Guardian Name: C

* Guardian Cell No: 0123456789

* Date of Birth: 05-Jan-1994

* Gender: Male Female Others

* Defendant Type: Convicted Sub-Judice

Blood Group: AB+ (ve)

NID No: 123456789

* Entrance Date: 20-Dec-19

* Name of Case / Crime: Accessibility Of Records For Tax Department

* Division: Dhaka

* Thana: Roypura

* Area: Abdullapur

Land Mark: M

* Others Address: V111.Roypura

* Prisoner Photo: images.jpg

* District: Narshingdi

Union: Roypura

* Post Office: Roypura

Figure 4.3: Prisoners Information's Insert

In this Module user can store prisoner's information which information are only related with prisoners particular and address.

4.3.1 Prisoner Goods Entry

Prison good entry option is shown in Figure-5.3.1 below:

The screenshot displays a web application interface for entering prisoner goods. At the top, there is a section titled "Prisoner's Photo" containing a cartoon illustration of a man. Below this is the main heading "PRISONER GOOD ENTRY". The interface includes a search bar with the text "Search: All Text Columns" and buttons for "Go", "Actions", "Edit", "Save", and "Add Row". A table with the following columns is shown: "Serial No", "Goods Code", "Amnt / Qty", and "Short Note". The table contains one row with the value "t1000" in the "Goods Code" column. Below the table, it indicates "1 rows selected" and "Total 1". There are buttons for "Add New Goods", "Back", "Clear", and "Save". The footer of the interface shows "Release 1.0".

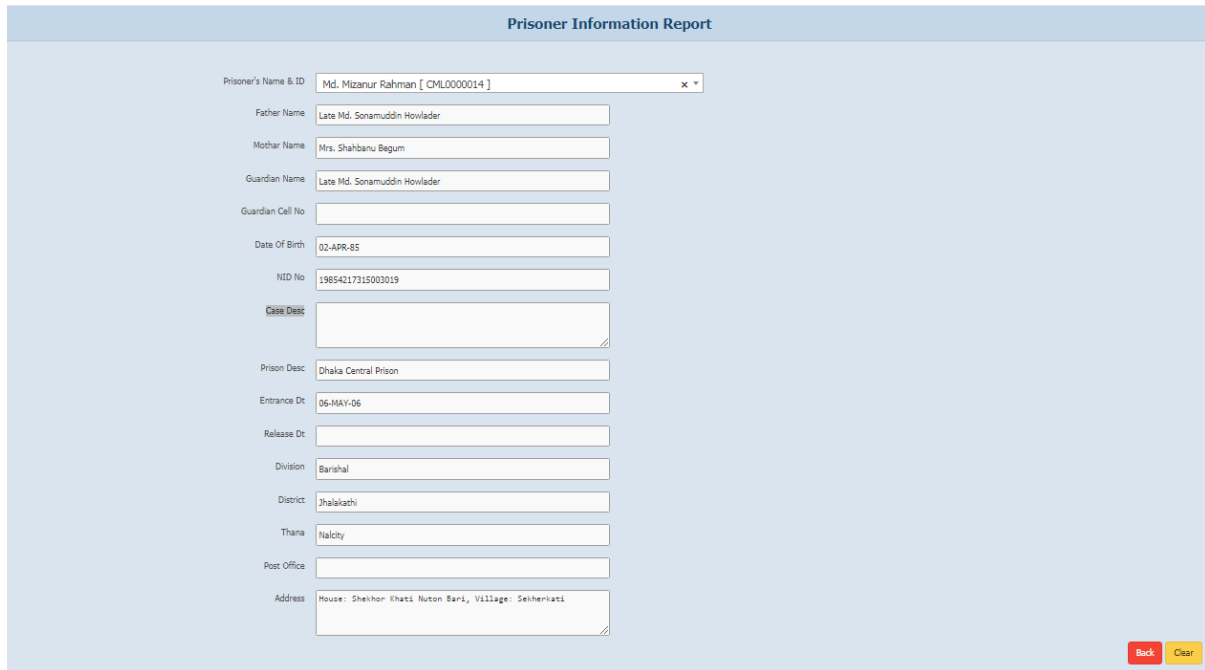
Figure 4.4: Prisoner Good Entry

Prisoners who maintain excellent behavior while incarcerated are granted good conduct time, good time credit, or time off for good behavior. If a prisoner is found to have committed disciplinary violations and/or crimes while detained, his or her good time may be forfeited.

Many inmates can earn time off, or a reduced sentence, if they behave properly. In the federal system, convicts who have displayed, in the opinion of the Bureau of Prisons. "Exemplary compliance with institutional disciplinary standards" can result in a sentence reduction of up to 54 days every year.

4.4 Prisoner Information Report

Prison Information report option is shown in Figure 4.5 below:



The screenshot displays a web form titled "Prisoner Information Report". The form contains the following fields and values:

Field	Value
Prisoner's Name & ID	Md. Mizanur Rahman [CML0000014]
Father Name	Late Md. Sonamuddin Howlader
Mother Name	Mrs. Shahbanu Begum
Guardian Name	Late Md. Sonamuddin Howlader
Guardian Cell No	
Date Of Birth	03-APR-85
NID No	19854217315003019
Case Desc	
Prison Desc	Dhaka Central Prison
Entrance Dt	06-MAY-06
Release Dt	
Division	Barishal
District	Jhalakathi
Thana	Naloty
Post Office	
Address	House: Sheikh Khati Nuton Bari, Village: Selheriati

At the bottom right of the form, there are two buttons: "Back" (red) and "Clear" (yellow).

Figure 4.5: Prisoner Information Report

Personal information about a prisoner is collected in order to ensure that they are placed appropriately within the prison system and have access to relevant programs and services, including post-release assistance. Personal information on a community-supervised offender is utilized to implement a court order and guarantee adequate community supervision.

4.4.1 Prisoner Good's List

This module is only for prisoner's goods receive section. In this module show a pending list of prisoners who entry is already but their goods are not received. So, receive their goods from that pending list. Snapshot of this module is given bellow in Figure.

Goods Code	Goods Name	Amnt Qty	Short Note
GD5001S	Taka	2	2000
GD50030	Mobile	1	Model.Samsung.J3

Figure-4.6: Prisoner Goods List

4.5 Prisoner's Punishment Information/Entry

In this module store punishment record of prisoners in Figure-4.7 below:

Prisoner's Name & ID: Md. Masum Sikder [CML0001229]

Case Description: D

Description of Punishment: Imprisonment

01. Imprisonment (Year) : 4

Penalty Amount : 100000

02. Imprisonment (Month) : 4

With Work? : Yes No

Punishment Effective Date : 01-Jan-2020

Punishment End With Fine : 16-DEC-22

Punishment End Without Fine : 28-AUG-20

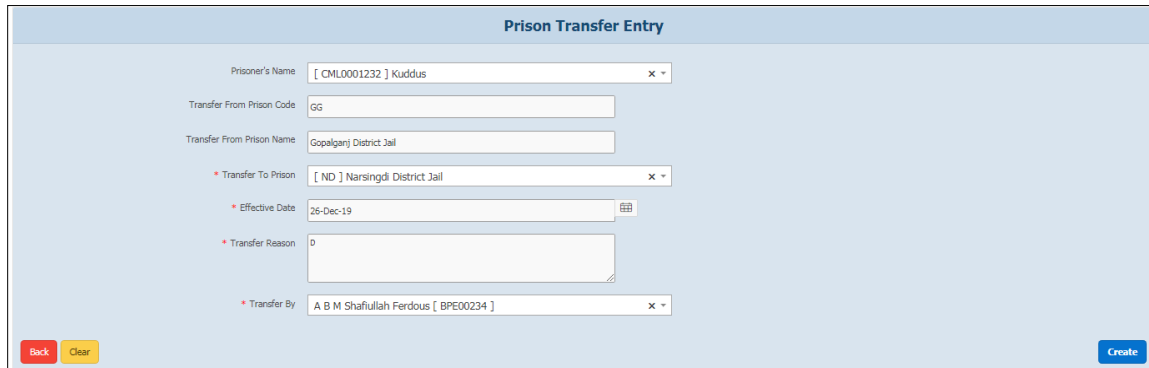
Buttons: Back, Clear, Create

Figure-4.7: Prisoner's Punishment Entry

In prisoner punishment entry Prisoner's Name & ID, Case Description, Description of Punishment, Imprisonment (Year), Punishment End with Fine, Punishment End Without Fine etc.

4.6 Prison Transfer Information/Entry

Prisoners transfer from one prison to another prison in Figure-5.6 below:



The screenshot shows a web form titled "Prison Transfer Entry". The form contains the following fields:

- Prisoner's Name: [CML0001232] Kuddus
- Transfer From Prison Code: GG
- Transfer From Prison Name: Gopalganj District Jail
- Transfer To Prison: [ND] Narsingdi District Jail
- Effective Date: 26-Dec-19
- Transfer Reason: 0
- Transfer By: A B M Shafullah Ferdous [BPE00234]

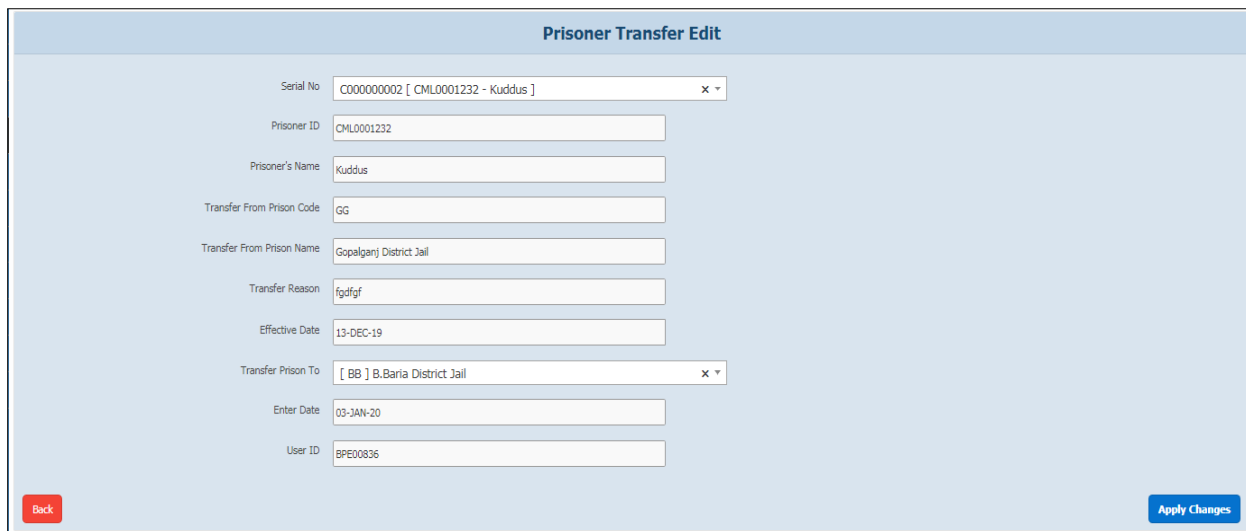
At the bottom left, there are "Back" and "Clear" buttons. At the bottom right, there is a "Create" button.

Figure 4.8: Prison Transfer Entry

In prisoner transfer information add the details of Prisoner's Name, Transfer from Prison Code, Transfer from Prison Name, Transfer to Prison, Effective Date, Transfer Reason, Transfer By, etc.

4.7 Prison Transfer Information/ Edit

Prison transfer Information edit option is shown in Figure-4.9 below:



The screenshot shows a web form titled "Prisoner Transfer Edit". The form contains the following fields:

- Serial No: C000000002 [CML0001232 - Kuddus]
- Prisoner ID: CML0001232
- Prisoner's Name: Kuddus
- Transfer From Prison Code: GG
- Transfer From Prison Name: Gopalganj District Jail
- Transfer Reason: fgdfgf
- Effective Date: 13-DEC-19
- Transfer Prison To: [BB] B.Barua District Jail
- Enter Date: 03-JAN-20
- User ID: BPE00836

At the bottom left, there is a "Back" button. At the bottom right, there is an "Apply Changes" button.

Figure-4.9: Prison Transfer Edit

4.8 Transferred Prisoner Receive

Prison transfer receive option is shown in Figure-4.10 below:

The screenshot shows a web form titled "Transferred Prisoner Receive". It contains the following fields and controls:

- Serial: A dropdown menu.
- Prisoner ID: A text input field.
- Prisoner's Name: A text input field.
- Transfer From Prison Code: A text input field.
- Transfer Reason: A text input field.
- Transfer From Prison Name: A text input field.
- Effective Date: A text input field.
- Transfer Prison To: A text input field.
- Is Receivable?: A radio button group with "Yes" and "No" options.
- Buttons: "Back" (red), "Clear" (white), and "Apply" (green).

Figure-4.10: Transferred Prisoner Receive

In prisoner transfer Receive add the details of Serial, Prisoner Id, Prisoners Name, Transfer from Prison code, Transfer Reason, Transfer Prison to etc.

4.9 Employee Transfer Information/Entry

Employee transfer Information entry option is shown in Figure-4.9 below:

The screenshot shows a web form titled "Employee Transfer Entry". It contains the following fields and controls:

- Employee ID & Name: A dropdown menu with "BPE00230 | Dr Reaz Feda".
- From Office Code: A text input field with "JLK".
- From Office Name: A text input field with "Jhalokati District Jail".
- To Office Name: A dropdown menu with "BB | B.Baria District Jail".
- From Designation Code: A text input field with "DG004".
- From Designation Name: A text input field with "Deputy Jailer".
- To Designation: A dropdown menu with "DG004 | Deputy Jailer".
- From Department Code: A text input field with "00002".
- From Department Name: A text input field with "Distribution".
- To Department: A dropdown menu with "00002 | Distribution".
- Old Supervisor ID: A text input field.
- New Supervisor ID: A text input field.
- Effective Date: A text input field with "25-Dec-19".
- Joining Date To New Office: A text input field with "01-Jan-20".
- Button: "Create" (green).

Figure-4.11: Employee Transfer Entry

4.10 Employee Transfer Information/Edit

Employee transfer Information edit option is shown in Figure-4.12 below:

Prisoner Transfer Edit

Serial No: C00000002 [CML0001232 - Kuddus]

Prisoner ID: CML0001232

Prisoner's Name: Kuddus

Transfer From Prison Code: GG

Transfer From Prison Name: Gopalganj District Jail

Transfer Reason: fgdfgf

Effective Date: 13-DEC-19

Transfer Prison To: [BB] B.Baria District Jail

Enter Date: 03-JAN-20

User ID: BPE00836

Buttons: Back, Apply Changes

Figure 4.12: Employee Transfer Edit

4.11 Transferred Employee Receive

Transferred employee receive option is shown in Figure-4.11 below:

Transferred Employee Receive

Transfer Serial No: [dropdown]

Employee ID: [input]

Emp Name: [input]

From Office: [input]

To Office: [input]

From Designation: [input]

To Designation: [input]

From Department: [input]

To Department: [input]

New Supervisor ID: [input]

Effective Date: [input]

Joining Date To New Office: [input]

Is Receivable? Yes No

Buttons: Back, Clear, Apply

Figure-4.11: Transferred Employee Receive

4.12 New Visitor Entry

New visitor entry option is shown in Figure-4.13 below

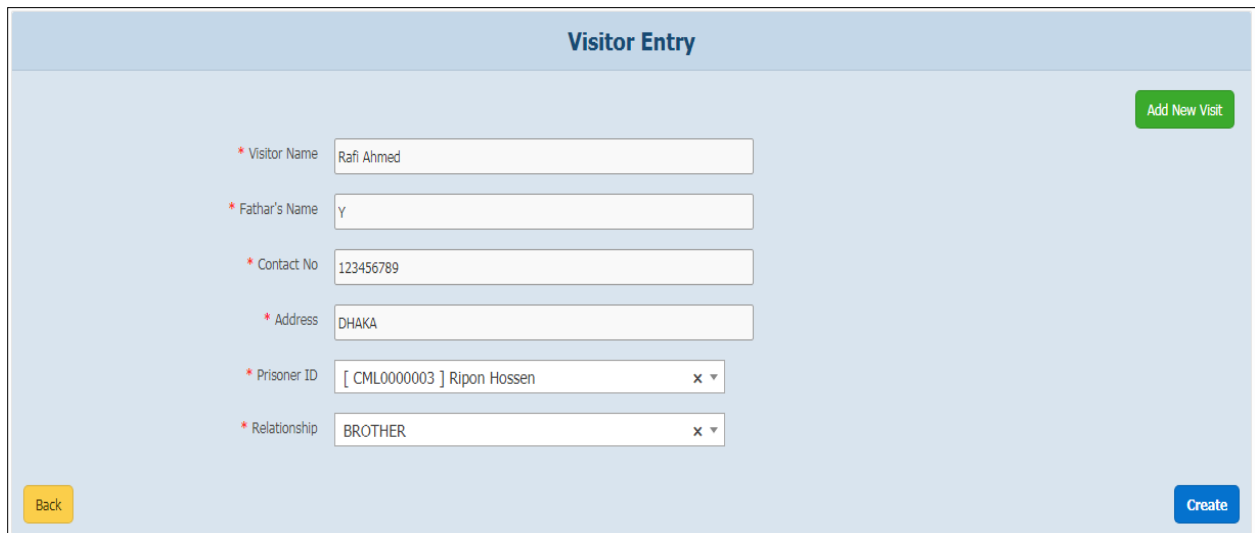


Figure 4.13: New Visitor Entry

4.13 New Visit Entry

New visit entry option is shown in Figure 4.13 below

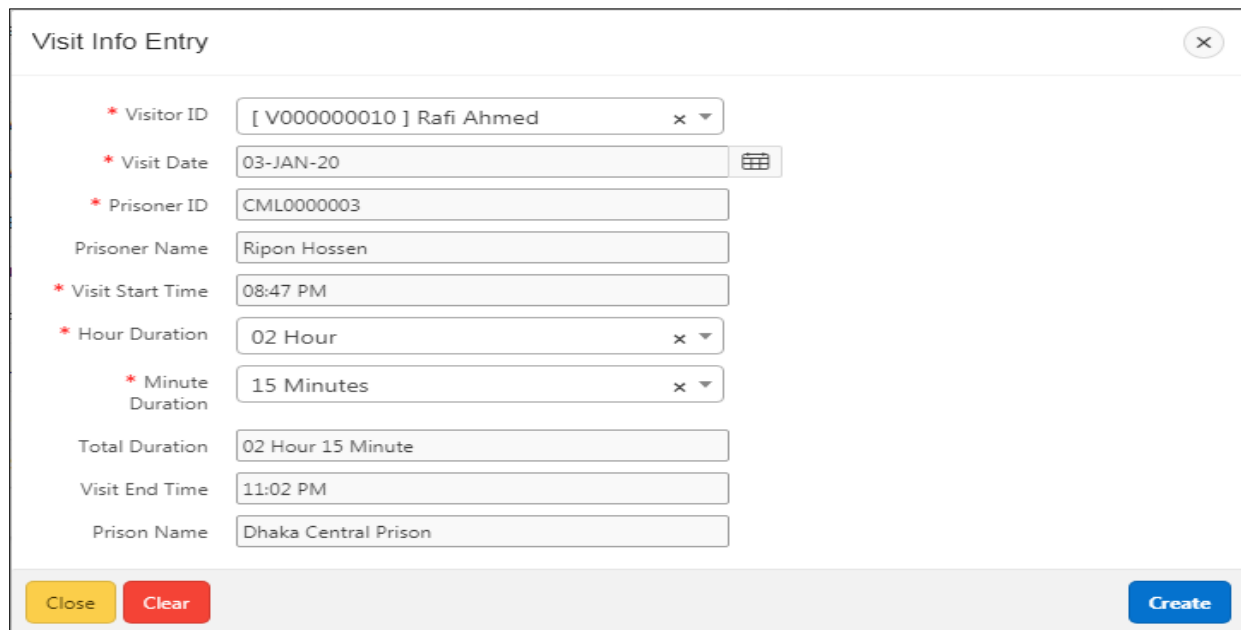
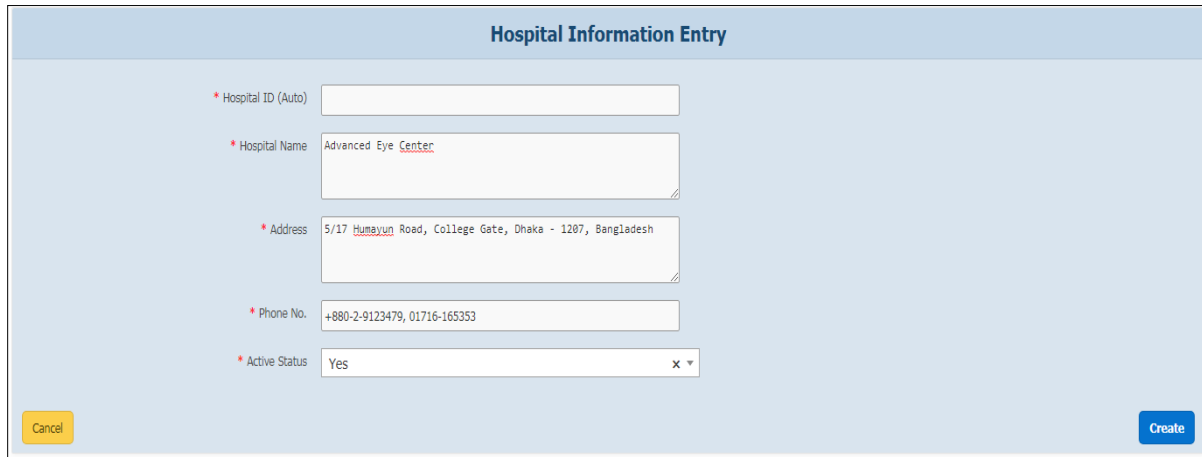


Figure-4.15: New Visit Entry

When New Visit Entry add the details of Visitor Id, Visit Date, Prisoner ID, Prisoner Name, Visit Start Time Total Duration, Visit End time, Prison Name.

4.14 Hospital Information Entry

Hospital Information entry option is shown in Figure-4.14 below:



The screenshot shows a web form titled "Hospital Information Entry". It contains the following fields:

- * Hospital ID (Auto): An empty text input field.
- * Hospital Name: A text input field containing "Advanced Eye Center".
- * Address: A text input field containing "5/17 Humayun Road, College Gate, Dhaka - 1207, Bangladesh".
- * Phone No.: A text input field containing "+880-2-9123479, 01716-165353".
- * Active Status: A dropdown menu with "Yes" selected.

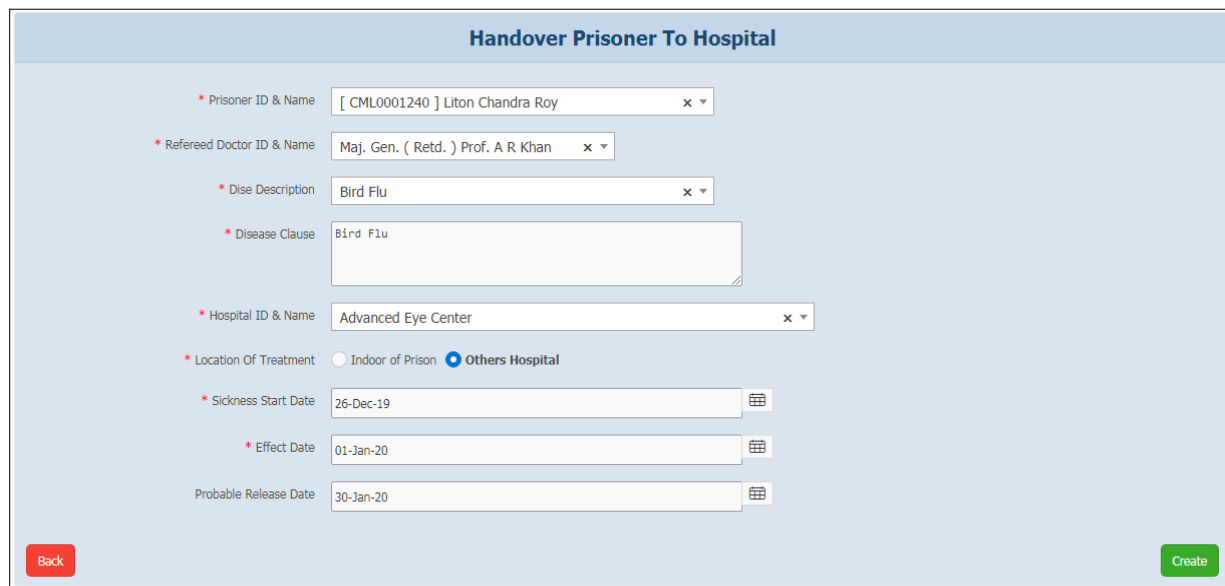
At the bottom left is a yellow "Cancel" button, and at the bottom right is a blue "Create" button.

Figure-4.17: Hospital Entry

In Hospital information Entry add the details of Hospital Id, Hospital Name, Address, Phone Number, and Active Status.

4.15 Handover Prisoner to Hospital

Handover Prisoner to Hospital option is shown in Figure-4.15 below:



The screenshot shows a web form titled "Handover Prisoner To Hospital". It contains the following fields:

- * Prisoner ID & Name: A dropdown menu showing "[CML0001240] Liton Chandra Roy".
- * Refereed Doctor ID & Name: A dropdown menu showing "Maj. Gen. (Retd.) Prof. A R Khan".
- * Disease Description: A dropdown menu showing "Bird Flu".
- * Disease Clause: A text input field containing "Bird Flu".
- * Hospital ID & Name: A dropdown menu showing "Advanced Eye Center".
- * Location Of Treatment: Radio buttons for "Indoor of Prison" (unselected) and "Others Hospital" (selected).
- * Sickness Start Date: A date input field showing "26-Dec-19".
- * Effect Date: A date input field showing "01-Jan-20".
- Probable Release Date: A date input field showing "30-Jan-20".

At the bottom left is a red "Back" button, and at the bottom right is a green "Create" button.

Figure-4.17: Handover Prisoner to Hospital

4.16 Daily Bazar Entry

Daily Bazar entry option is shown in Figure-4.16 below:

Bazar Submitted By : Emran Hossain [BPE00836] x ▾

Designation : Programmer, ICT

Voucher Date : 01-JAN-20 📅

Voucher Details

Q ▾ Search: All Text Columns Go Actions ▾ Edit Save Add Row 🔄 Reset

<input checked="" type="checkbox"/>	☰		Main Expense Head	Sub Expense Head	Quantity	Exp Val	Measurement
<input checked="" type="checkbox"/>	☰	t1001	Dress - Uniform of prisoners		2	1000	Pcs

1 rows selected Total 2

Figure-4.16: Daily Bazar Entry

When Daily Bazar Entry add the details of Bazar submitted by, Designation, Voucher Date, Main expense head, Sub expense head, Quantity, and measurement.

4.17 Daily Meal Entry

Daily Meal Entry option is shown in Figure-4.17 below:

Daily Meal Info Entry

* Prison ID GG

* Meal Date 01-Jan-20 📅

* Meal Type Breakfast Lunch Dinner

* Total Meal 40

Cancel Clear Create

Figure-4.17: Daily Meal Entry

4.18 New Employee Entry

New employee information entry option is shown in Figure-4.18 below:

New Employee Entry

Employee Full Name

Father Name

Mother Name

Date Of Birth

Religion Islam Christian Hinduism Buddha Others

Gender Male Female Others

Marital Stat Unmarried Married Divorce Widow

Blood Group x v

Office Name x v

Joining Date

Job Title Code x v

Dept Code x v

Educational Information

Q Search: All Text Columns Go Actions Edit Save Add Row Reset

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cert Inst Code	Degree Code	Major Id	Session From	Session To	Passed On	Division	Gpa Achieve	Gpa Out Of	Board Univ C...	Qual Type
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											

Total 1

Employee Address

Q Search: All Text Columns Go Actions Edit Add Row

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Address...	Holding...	House ...	Rd No	Rd Name	Div Code	Dist Code	Thana C...	Uni Code	Land M...	Area Co...	Sub Po ...	Po Code	Vill Baz ...	Home P...	Home Ph...
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	t1001															

1 rows selected Total 1

Cancel Create

Figure-4.18: New Employee Entry

In this Module user can store Employee's information which information are only related with Employee particular and address.

4.19 Jail Information Setup

Jail Information Setup option is shown in Figure-4.21 below:

Jail Information Setup														
<input type="text" value="Q"/> <input type="button" value="Go"/> <input type="button" value="Actions"/> <input type="button" value="Add New"/>														
	Jail ID	Jail Name	Short Name	Division	Jail Type	Zone	Establish Date	Capacity	The Amount Of Land	Address	Phone	Jailer Id	Email	Cell No
	DH	Dhaka Central Prison	Dhaka	Dhaka	CHQ	C	01-JAN-88	2682	40.37	127, Firmgate, Dhaka-1000.	02-7300444	BP000001	PRISONDH@YAHOO.COM	01700000
	KP1	Kashimpur Central Prison(Part-1)	Kashimpur-1	Dhaka	CHQ	C	26-SEP-01	300	55.5	Kashimpur,Gazipur	+6598745847	BPE032145	KP1@PRISON.NET	01654789
	KP2	Kashimpur Central Prison(Part-2)	Kashimpur-2	Dhaka	CHQ	C	26-SEP-01	300	55.5	Kashimpur,Gazipur	-	-	-	-
	KP3	Kashimpur Central Women Prison(Part-3)	Kashimpur-3	Dhaka	CHQ	C	26-SEP-01	300	55.5	Kashimpur,Gazipur	-	-	-	-
	KP4	Kashimpur HS Central Prison(Part-4)	Kashimpur-4	Dhaka	CHQ	C	26-SEP-01	300	55.5	Kashimpur,Gazipur	-	-	-	-
	MY	Mymensingh Central Prison	Mymensingh	Dhaka	CHQ	N	01-JAN-88	2682	40.37	60, Maskanda, Mymensingh	-	-	-	-
	RA	Rajshahi Central Prison	Rajshahi	Rajshahi	CHQ	N	01-JAN-40	1460	54.96	House#285,Sec#2,Housing Estate,Boalia,Rajshahi	-	-	-	-

Figure-4.21: Jail Information Setup

Information is made here at each jail, Jail Name, Jail Id, Short name, division, Jail Type, Zone, Establish date, Capacity, The amount of land, Address, Phone, Jailer id, Email, Cell no etc.

4.20 Prisoner Transfer Approve

Prisoner transfer approval option is shown in Figure-4.22 below:

Prisoner Transfer Approve

* Serial No: C000000005 [CML0002930 - Chandan Das]

Prisoner ID: CML0002930

Prisoner's Name: Chandan Das

Transfer From Prison Code: DH

Transfer From Prison Name: Dhaka Central Prison

Transfer Reason: fggf

Effective Date: 01-JAN-20

Transfer To Prison Code: BAG

Transfer To Prison Name: Barguna District Jail

* Agree With Transfer? Yes No

Approve By: BPE00836

Approve Date: 03-JAN-20

Buttons: Back, Clear, Apply

Figure-4.22: Prisoner Transfer Approve

4.21 Expense Head Setup

Expense Head Setup option is shown in Figure-4.23 below:

Main Head Particular

Search: All Text Columns Go Actions Edit Add Row Reset

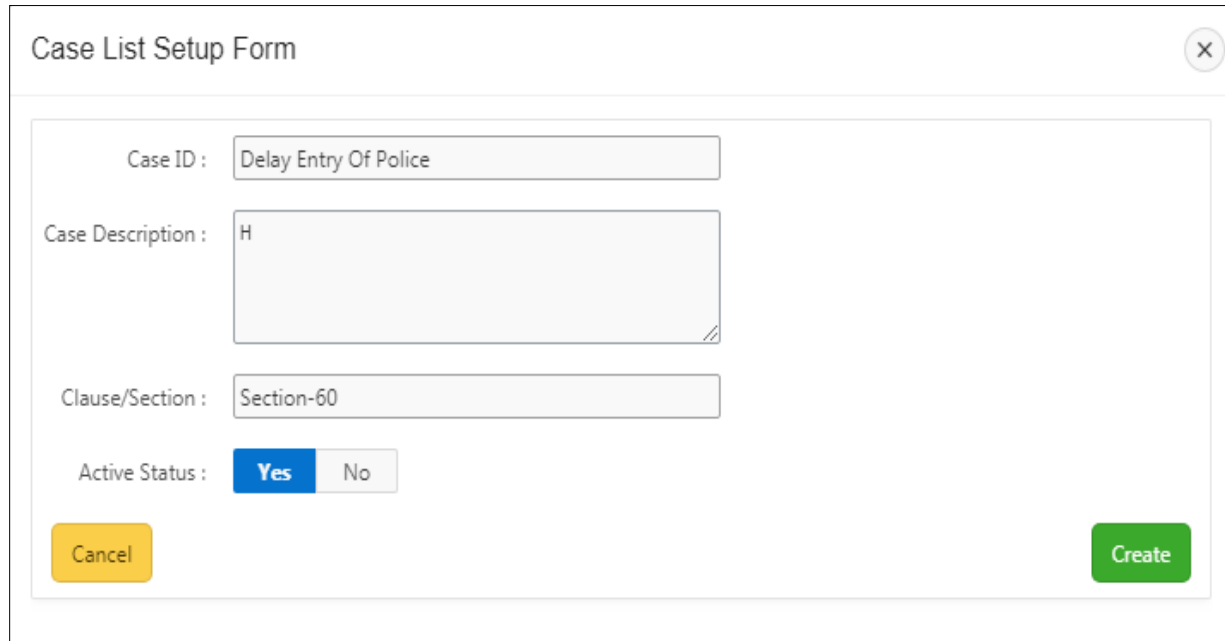
		Main Particular ID	Main Particular Description	Status
<input checked="" type="checkbox"/>	☰	013	Treatment	Active
<input type="checkbox"/>	☰	011	Snack	Active
<input type="checkbox"/>	☰	010	Fruits Item	Active
<input type="checkbox"/>	☰	009	Vehecal Expense	Active
<input type="checkbox"/>	☰	008	Electrial Maintanance	Active
<input type="checkbox"/>	☰	007	Toilet Maintanance	Active
<input type="checkbox"/>	☰	006	Entertainment & Other Costs	Active
<input type="checkbox"/>	☰	005	Cosmetics item	Active
<input type="checkbox"/>	☰	004	Stationaries & Cucarise	Active
<input type="checkbox"/>	☰	003	Fish,Meat & Eggs Item	Active
<input type="checkbox"/>	☰	002	Vagetables Item	Active
<input type="checkbox"/>	☰	001	Fixed Item of Cooking Materials	Active
<input type="checkbox"/>	☰	012	Dress - Uniform of prisoners	Active
<input type="checkbox"/>	☰	015	AAAAAAAAAAAAA	Deactive

1 rows selected Total 15

Figure-4.21: Expense Head Setup

4.22 Case List Setup

Case list setup option is shown in Figure-4.22 below:



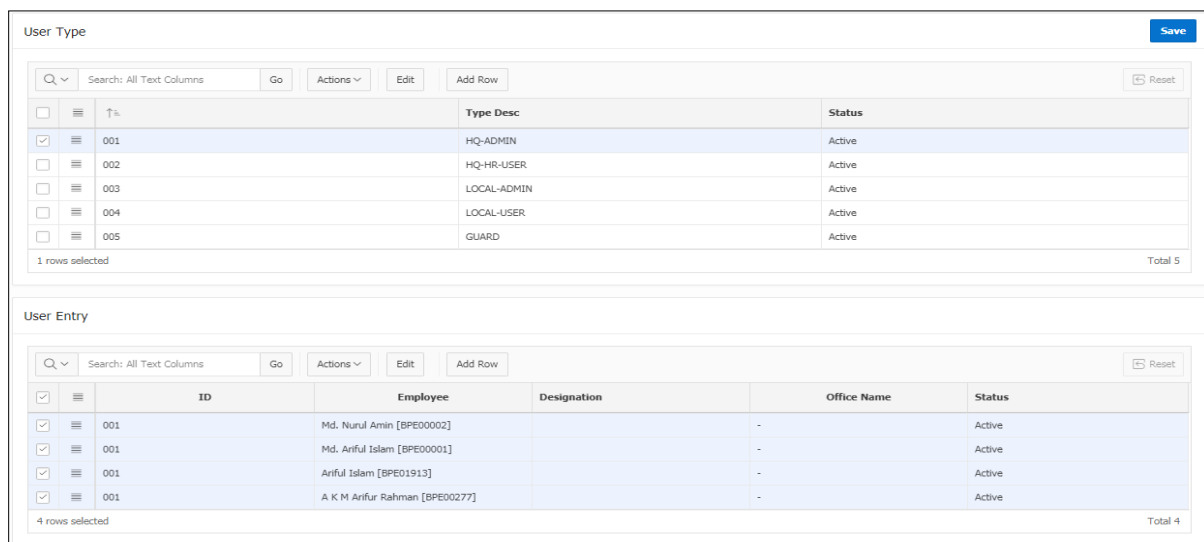
The Case List Setup Form is a web-based interface for creating a new case. It features the following fields and controls:

- Case ID:** A text input field containing "Delay Entry Of Police".
- Case Description:** A larger text area containing the letter "H".
- Clause/Section:** A text input field containing "Section-60".
- Active Status:** A set of radio buttons with "Yes" selected and "No" unselected.
- Buttons:** A yellow "Cancel" button on the left and a green "Create" button on the right.

Figure-4.22: Case List Setup

4.23 User Registration for Access

User registration for access option is shown in Figure-4.23 below:



The User Registration for Access interface consists of two main sections: "User Type" and "User Entry".

User Type

ID	Type Desc	Status
001	HQ-ADMIN	Active
002	HQ-HR-USER	Active
003	LOCAL-ADMIN	Active
004	LOCAL-USER	Active
005	GUARD	Active

1 rows selected Total 5

User Entry

ID	Employee	Designation	Office Name	Status
001	Md. Nurul Amin [BPE00002]		-	Active
001	Md. Ariful Islam [BPE00001]		-	Active
001	Ariful Islam [BPE01913]		-	Active
001	A K M Arifur Rahman [BPE00277]		-	Active

4 rows selected Total 4

Figure 4.23: User Registration for Access

4.24 Prisoner Transfer Receivable Report

Prisoner transfer receivable report option is shown in Figure-4.24 below:

SI	Prisoner Id	Trns From	Trns Reason	Trnsfer By	Trns To	Recv Status	Enter Dt	User Id	Recv Time	Received By	Eff Date
C000000001	CML0002961	DH	Fight	BPE00489	BA	N	21-DEC-19	BPE00002	-	-	27-DEC-19
C000000005	CML0002930	DH	fggf	BPE01446	BAG	N	01-JAN-20	BPE00001	-	-	01-JAN-20
C000000002	CML0001232	GG	fgdfgf	-	BB	N	03-JAN-20	BPE00836	-	-	13-DEC-19
C000000003	CML0001238	GG	Fight	-	DH	N	29-DEC-19	BPE00836	-	-	04-DEC-19
C000000004	CML0000017	DH	vvv	BPE00619	GG	Y	29-DEC-19	BPE00001	29-DEC-2019 09:16:11 PM	BPE00001	03-DEC-19
C000000006	CML0001232	GG	D	BPE00795	DH	N	03-JAN-20	BPE00836	-	-	01-JAN-20

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Figure-4.24: Prisoner Transfer Receivable Report

4.25 Jail Information

Jail information option is shown in Figure-4.25 below:

Bangladesh Prison					
Jail Information					
Jail ID	Jail Name	Address	Division	Email	Phone
DH	Dhaka Central Prison	127, Firmgate, Dhaka-1000.	Dhaka	PRISONDH@YAHOO.COM	01700000001
KP1	Kashimpur Central Prison(Part-1)	Kashimpur,Gazipur	Dhaka	KP1@PRISON.NET	01654789541
KP2	Kashimpur Central Prison(Part-2)	Kashimpur,Gazipur	Dhaka		
KP3	Kashimpur Central Women Prison(Part-3)	Kashimpur,Gazipur	Dhaka		
KP4	Kashimpur HS Central Prison(Part-4)	Kashimpur,Gazipur	Dhaka		
MY	Mymensingh Central Prison	60, Maskanda, Mymensingh	Dhaka		
RA	Rajshahi Central Prison	House#285,Sec#2,Housing Estate,Boalia,Rajshahi	Rajshahi		
CH	Chittagong Central Prison	34, Mehdibagh Road, Chittagong.	Chittagong		
SY	Sylhet Central Prison	69, Shubheccha Housing Estate Road, House # 912, Ambarkhana, Sylhet.	Sylhet		
JS	Jessore Central Prison	Suriya Mahal, House# 39, Sector# 02,Uposahor, Jessore	Khulna		
RO	Rangpur Central Prison	95-68, East R K Road, Satgara, Rangpur	Rangpur		
BA	Barisal Central Prison	Barisal Club Road, Barisal.	Barisal		
MUG	Munshiganj District Jail		Dhaka		
GZ	Gazipur District Jail		Dhaka		
ND	Narsingdi District Jail	52 Kawripara,Ghoshpara,Narsingdi-1600	Dhaka		
GG	Gopalganj District Jail		Dhaka		
KI	Kishoreganj District Jail	GHAITAL BUS STAND, KISHOREGONJ.	Dhaka		
FA	Faridpur District Jail	1/11/13, Katpatty,Jheeltuli,Faridpur-7800	Dhaka		
JP	Jamalpur District Jail	West Kacharpara, New College Road, Jamalpur-2000	Dhaka		
NT	Netrokona District Jail		Dhaka		
TA	Tangail District Jail	Zobiada Manjil, Biswas Betka, Dhaka Road, Tangail	Dhaka		
SP	Sherpur District Jail		Dhaka		
STP	Shariatpur District Jail		Dhaka		
RB	Rajbari District Jail		Dhaka		
MAG	Manikganj District Jail		Dhaka		
MD	Madaripur District Jail	House # 280, Tormuguria,Hamid Akand Sarak, Madaripur -7900	Dhaka		
NG	Narayanganj District JAIL	165/A,Uttar Chashara, Chanmari,Narayanganj.	Dhaka		
BHL	Bhola District Jail		Barisal		
PRJ	Pirojpur District Jail		Barisal		
BO	Bogra District Jail	House Saikat,Jail Khana More,Jaleswari Tola,Bogra. Phone: 66179	Rajshahi		
CNG	Chapainawabganj District Jail		Rajshahi		
JPH	Joypurhat District Jail		Rajshahi		
NAG	Naogaon District Jail		Rajshahi		
NAT	Natore District Jail		Rajshahi		

Figure-4.25: Prisoner Transfer Receivable Report

4.26 Hospital Information

Hospital information option is shown in Figure-4.26 below:

Hospital Id	Hospital Name	Address	Phone No	Status	Posted Date & Time	Posted By	Host Name
HP00001	Bangabandhu Sheikh Mujib Medical University (BSMMU)	25/3, Green Road, Dhaka - 1205	+880-2-8610313, 9661410	Y	28-NOV-19 06.47.44.000000 PM +06:00	SHAIFUL	-
HP00002	MUKTI (Manashik & Madakashakti Niramoy Kendra Ltd.)	House # 2, Road # 49, Gulshan # 2, Dhaka - 1212, Bangladesh	+880 2 9896165, 9883991, 8814562	Y	28-NOV-19 06.56.00.000000 PM +06:00	SHAIFUL	-
HP00003	Armed Forces Medical College & Hospital, Dhaka	House # 48, Road # 9/A, Dhanmondi, SATmasjid Road, Dhaka - 1209, Bangladesh	+880-2-9126625, 9128835-7, Cell: +880 1717351631	Y	28-NOV-19 06.58.50.000000 PM +06:00	SHAIFUL	-
HP00004	Bangladesh Medical College	68 Shat Masjid Road, Dhanmondi, Dhaka	+880-2- 9131207(Chamber), 9118202(Office)	Y	28-NOV-19 06.59.23.000000 PM +06:00	SHAIFUL	-
HP00005	Dhaka Medical College Hospital	54, Siddeshwari Road , Dhaka - 1217	+880-2-831-8135, 831-9802	Y	28-NOV-19 06.59.27.000000 PM +06:00	SHAIFUL	-
HP00006	Central Hospital, Dhaka	House # 5, Road # 2, Dhaka - 1205, Bangladesh	+880-2-9660015-19, 8624514	Y	28-NOV-19 06.59.33.000000 PM +06:00	SHAIFUL	-

Figure 4.26: Hospital Information

In Hospital information Entry add the details of Hospital Id, Hospital Name, Address, Phone Number, and Active Status, posted date and time, posted by, Host name etc.

4.27 Prison Wise Employee List

Prison wise employee list option is shown in Figure-4.27 below:

Select Office Info : Dhaka Central Prison-DH

Select Department Name : Commercial

Search

ALL_EMPLOYEES_INFO

Excel Print Close

Bangladesh Prison
Prison & Department Wise Employee List

Prison Name : Dhaka Central Prison-DH
Department Name : Commercial

SL No	Employee Name	Cell No	Designation	Department	Blood Group	Religion	Marital Status	Length Of Service
1	Naharul Islam [BPE01512]		Store Keepers	Commercial	B+	Islam	Married	10 Year 5 Month 12 Day
2	Faruk mia [BPE03739]		Assistant Inspector General of Prison(Development)	Commercial	A+	Islam		18 Year 7 Month 26 Day
3	Shohidul Islam [BPE01308]		Office Assistant (Seller- Ration Shop)	Commercial	O+	Islam	Married	15 Year 1 Month 2 Day
4	Sanjoy Mazumder [BPE01240]		Office Assistant (Seller- Show Room)	Commercial	AB+	Hindu	Single	12 Year 4 Month 2 Day

Figure-4.27: Prison Wise Employee List

4.28 Prisoner's Detail's Report

Prisoner's details report option is shown in Figure-4.28 below:

Search By Prisoner

Prisoner ID [CML0001244] Md. Abdullah Al Hossain

Clear

Excel Print Close

Bangladesh Prison
Prisoner's Profile
Md. Abdullah Al Hossain [CML0001244]

Prisoner's ID : CML0001244
Full Name : Md. Abdullah Al Hossain
Nick Name : Hossain
Father's Name : Mr. Md. Roish Uddin Shake
Mother's Name : Most. Hosneara Begum
Guardian Name : Mr. Md. Roish Uddin Shake
Guardian Cell No : 01912335911
Date Of Birth : 13-OCT-85
Gender : Male
Defendant Type : S
NID No : 19857610579045581
Case Description :
Prison Name : GG
Entrance Date : 15-DEC-13

Prisoner's Goods Details

Sno	Goods Code	Goods Name	Quantity	Short Note
-----	------------	------------	----------	------------

Figure-4.28: Prisoner's Details Report

4.29 Prisoner's All Information

Prisoner's all information option is shown in Figure-4.29 below:

Search By Prisoner

Prisoner ID [CML0001238] Kirthibas Chandra Pal X ▾

Clear

Excel Print Close

Bangladesh Prison

Prisoner's Profile
Kirthibas Chandra Pal [CML0001238]

Prisoner's ID	: CML0001238
Full Name	: Kirthibas Chandra Pal
Nick Name	: Kirthibas
Father's Name	: Mr. Krisna Chandra Pal
Mother's Name	: Mrs. Basanti Rani Pal
Guardian Name	: Mr. Krisna Chandra Pal
Guardian Cell No	: 01992042276
Date Of Birth	: 01-OCT-67
Gender	: Male
Defendant Type	: 5
NID No	: 19877813847009361
Case Description	:
Prison Name	: GG
Entrance Date	: 14-DEC-13

Goods Information

No Goods Information Found!!!

Medical Information

No Medical Information Found!!!

Transfer Information

Sno	Transfer Sno	Transfer Reason	Transfer Date	Transfer From	Transfer To	Transfer By
1	000000003	Fight	04-DEC-19	Gopalganj District Jail [GG]	Dhaka Central Prison [DH]	

Visitors Information

No Visitor Information Found!!!

Figure 4.29: Prisoner's All Information

By searching for a prisoner's ID, you may get all of their information. For example, a prisoner's complete name, father's name, mother's name, guardian's name, guardian's cell number, case description, prison name, goods information, medical information, transfer information, visitor's information, and so on.

4.30 Handover Prisoner Goods

Handover Prisoner goods option is shown in Figure-4.30 below:

Handover Prisoner Goods

Prisoner's Photo

Prisoner's Name & ID:

Father Name:

Mother Name:

Guardian Name:

Guardian Cell No:

Date Of Birth:

NID No:

Case Desc:

Prison Desc:

Entrance Dt: Release Dt:

Division: District:

Thana: Post Office:

Address:

Q Search: All Text Columns Go Actions

SI	Goods Code	Goods Name	Amnt Qty	Short Note
2	GDS0015	Taka	2	2000
1	GDS0030	Mobile	1	Model:Samsung.J3
				Total 2

Figure-4.30: Handover Prisoner Goods

4.31 Prisoner's Check on Main Gate

Prisoner's Check on Main Gate option is shown in Figure-4.31 below:

Main Gate Check

Release Type: Bail Permanent Transfer

Prisoner ID: [CML0001231] Md. Asaduzzaman

Prisoner's Name:

Transfer From Prison Code:

Transfer From Prison Name:

Release Date:

Transfer Prison To:

Transfer To Prison Name:

Approve By:

All Are OK?: Yes No

Back Clear Apply

Figure 4.31: Main Gate Check

4.32 Prisoner's Bail Information

Prisoner's bill information option is shown in Figure-4.32 below:

Prisoner's Bail Info

Prisoner ID:

Bail Announce Date:

Bail Effective Date:

Bail Given Court ID & Name:

Attendance Date To Court:

Guarantor Name:

Father's Name of Guarantor:

Mother's Name of Guarantor:

Relation With Prisoner's:

Guarantor Cell No:

Guarantor NID:

Guarantor Division Name:

Guarantor District Name:

Guarantor Thana Name:

Guarantor Area Name:

Guarantor Post Code & Name:

Guarantor Others Address:

Land Mark:

Guarantor Pic: Choose file

Cancel Create

Figure-4.32: Prisoner's Bail Information

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Database Design

The Database Design Description (DBDD) explains the layout of a database, which is a collection of linked data kept in one or more electronic files in a way that users or computer programs may access through a database management system (DBMS). The structuring of data according to a database model is known as database design. The designer decides what data should be saved and how the various data parts should interact. They may start fitting the data to the database model using this information. The data is managed via a database management system. Classifying data and defining interrelationships are two aspects of database architecture. An ontology is a type of theoretical representation of data. The philosophy that underpins the database's architecture is called ontology.

5.2 User Interface

A university graduate in technical communication, graphic design, human computer interaction, information technology, or visual arts is a user interface designer. To make the user interface aesthetically appealing, creative skill is required in this field of employment.

5.3 SQL and PL/SQL Development

SQL is a database access language that is both simple and powerful. SQL is a non-procedural language, which means that users explain what they want done in SQL, and the SQL language compiler develops a procedure to browse the database and complete the operation.

A stored procedure is a PL/SQL block that Oracle keeps in the database and that an application may invoke by name. When we build a stored procedure, Oracle parses it and saves it in the database as a parsed representation. Oracle also lets us construct and save functions, which are comparable to procedures, as well as packages, which are collections of procedures and functions. Stored procedures, functions, packages, and database triggers are all covered.

5.4 Testing

Software testing is an examination that's also taken out to give info to stakeholders regarding the quality of the software product or service being tested. Program testing may also give a corporation with an objective, unbiased picture of the software, allowing them to grasp and comprehend the risks associated with software deployment. The practice of executing a program or application with the goal of identifying software bugs (errors or other problems) and ensuring that the software product is fit for use is known as testing procedures.

We begin testing when the project is completed. We test each element of our project and software for testing purposes. When we encounter a problem, we work to resolve it. We were able to finish the project in this manner. This program is now entirely ready for usage in Bangladesh prisons to efficiently store information.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

Bangladeshi prison management is complex due to the large number of inmates housed in the country's 64 prisons. But there is no strong and security full management system for manage information of that lot of prisoners. That's why authority sometimes miss some of information and also some missing information cannot recover, though that information was most important.

This project made for store all information and view report from that information and also updatable if required.

6.2 Limitations

We cannot collect expected information from authority of prison for their security purpose. That's why we cannot task with some of site of prison.

- Prisoner work activities.
- Prison Pharmacy Management.
- Vehicle Management of prison.
- Office stationery management.
- Employee's attendance history.
- Now it connects with local network. In the next version we will connect by real IP.

So, all of privileges person could access this software from anywhere of the world

6.3 Scope for Further Development

This project is not a full version so it has some limited features. In near future we will add many features to this project. The main features which can be included are given below-

- ✓ Vehicle Management of prison.
- ✓ Prisoner work activities.
- ✓ Prison Pharmacy Management.
- ✓ Employees Attendance history.
- ✓ Employees leave monitoring.
- ✓ More add in HR Module (Salary Process, Settlement etc.)
- ✓ More Controlling option add as per authority requirement.

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ONLINE PRISON INFORMATION AND MANAGEMENT SYSTEM

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