EMPLOYEE MANAGMENT SYSTEM

A PROJECT REPORT

Submitted by

T.SAI CHARAN REDDY

(160717733008)

ACKNOWLEDGMENT

I would like to place on record our sincere thanks to all those who contributed to the successful completion of my internship project work.

It’s a matter of pride and privilege for us to express our deep gratitude to the management of DRDL, Hyderabad for providing me with necessary facilities and support.

I would like to thank our guide Dr S K ROY, Scientist ‘G’ for continually guiding and giving valuable suggestions to complete my project.

I would like to thank Smt GMV LAKSHMI, Technical Officer for actively participating and helping me to complete my project.

ABSTRACT

An Employee Management System is a distributed application that is developed to maintain the details of employees. It would maintain the information about the personal details of employees, so that the human resource of the organization can easily know the details of all the employees. The purpose of the project is to maintain the details of all the employees and their dependants. Once we login with correct username and latest password (3 months), we will go to MENU page. Different options of MENU are: Insert New employee details, Update existing employee details or delete wrong entries and Reports (Employee Details, Dependant Details). While developing this package, taken care that all validations are applied, made GUI user friendly. In Login Page, Alert message is provided to force user to change password, if password is 3 months old.

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1. INTRODUCTION

The project “EMPLOYEE MANAGMENT SYSTEM “, which is developed, is to provide all the details of employees at one place for easier access for the user. This project is developed using JSP as frontend and Oracle as backend to insert, update and delete employees’ and their dependants’ details. By clicking on Reports option in menu page, which is displayed on successful login, user can view / take printout of Employees details. This program helps users to do their daily work easily and in minimum time.

1.1 MAJOR COMPONENTS (REQUIREMENT FOR EXECUTION)

Major components required for completion for our project are:

Software Requirements:

- Database
- IDE (for execution of java file)
- Operating System.

Hardware Requirements:

- RAM: min 2 GB
- Disk Space: 1 GB
- Desktop/Laptop

1.2 OBJECTIVE OF THE PROJECT

The main aim of the project is to develop an application that will store all the details of the employees in database without any inconveniences. Package is designed in such a way that all the options: insert, update, delete and view/ take printout of the data entered are on single screen.

- Develop a well-designed database to store employee information.
- A user friendly front-end for the user to interact with the system.

2. LANGUAGE DOCUMENTATION

2.1 INTRODUCTION

2.1.1 About Oracle Database

- Oracle Database (commonly referred to as Oracle DBMS or simply as Oracle) is a multi-model database management system produced and marketed by Oracle Corporation.
- It is a database commonly used for running online transaction processing (OLTP), data warehousing (DW) and mixed (OLTP & DW) database workloads. Oracle Database is available by several service providers on-prem, on-cloud, or as hybrid cloud installation. It may be run on third party servers as well as on Oracle hardware (Exadata on-prem, on Oracle Cloud or at Cloud at Customer]).

Oracle Built-In Datatypes

A datatype associates a fixed set of properties with the values that can be used in a column of a table or in an argument of a procedure or function. These properties cause Oracle to treat values of one datatype differently from values of another datatype; for example, Oracle can add values of NUMBER datatype but not values of RAW datatype.

Oracle supplies the following built-in datatypes:

- Character datatypes
    - CHAR
    - NCHAR
    - VARCHAR2 and VARCHAR
    - NVARCHAR2
    - CLOB
    - NCLOB
    - LONG
- NUMBER datatype
- DATE datatype
- binary datatypes
    - BLOB
    - BFILE
    - RAW
    - LONG RAW

Another datatype, ROWID, is used for values in the ROWID pseudo column, which represents the unique address of each row in a table.

2.1.2 About Java

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. It is a general-purpose programming language intended to let application developers write once, run anywhere (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of the underlying computer architecture. The syntax of Java is similar to C and C++, but has fewer low-level facilities than either of them. The Java runtime provides dynamic capabilities (such as reflection and runtime code modification) that are typically not available in traditional compiled languages. As of 2019, Java was one of the most popular programming languages in use according to GitHub, particularly for client-server web applications, with a reported 9 million developers.

Java was originally developed by James Gosling at Sun Microsystems (which has since been acquired by Oracle) and released in 1995 as a core component of Sun Microsystems' Java platform. The original and reference implementation Java compilers, virtual machines, and class libraries were originally released by Sun under proprietary licenses. As of May 2007, in compliance with the specifications of the Java Community Process, Sun had relicensed most of its Java technologies under the GNU General Public License. Oracle offers its own Hotspot Java Virtual Machine, however the official reference implementation is the OpenJDK JVM which is free open source software and used by most developers and is the default JVM for almost all Linux distributions.

As of March 2021, the latest version is Java 16, with Java 11, a currently supported long-term support (LTS) version, released on September 25, 2018. Oracle released the last zero-cost public update for the legacy version Java 8 LTS in January 2019 for commercial use, although it will otherwise still support Java 8 with public updates for personal use indefinitely. Other vendors have begun to offer zero-cost builds of OpenJDK 8 and 11 that are still receiving security and other upgrades.

Oracle (and others) highly recommend uninstalling outdated versions of Java because of serious risks due to unresolved security issues. Since Java 9, 10, 12, 13, 14, and 15 are no longer supported, Oracle advises its users to immediately transition to the latest version (currently Java 16) or an LTS release.

2.1.3 About Advance Java

It is a part of Java programming language. It is an advanced technology or advance version of Java specially designed to develop web-based, network-centric or enterprise applications. It includes the concepts like Servlet, JSP, JDBC, RMI, Socket programming, etc. It is a specialization in specific domain.

Most of the applications developed using advance Java uses tow-tier architecture i.e. Client and Server. All the applications that runs on Server can be considered as advance Java applications.

Why advance Java?

- It simplifies the complexity of a building n-tier application.
- Standardizes and API between components and application sever container.
- JEE application Server and Containers provides the framework services.

Benefits of Advance Java

The four major benefits of advance Java that are, network centric, process simplification, and futuristic imaging standard.

JEE (advance Java) provides libraries to understand the concept of **Client-Server architecture** for web- based applications.

We can also work with web and application servers such as **Apache Tomcat** and **Glassfish** Using these servers, we can understand the working of HTTP protocol. It cannot be done in core Java.

It is also important understand the advance Java if you are dealing with trading technologies like **Hadoop, cloud-native** and **data science.**

It provides a set of services, **API** and **protocols**, that provides the functionality which is necessary for developing **multi-tiered** application, web-based application.

There is a number of advance Java frameworks like **Spring, Hibernate, Struts,** that enables us to develop secure **transaction-based** web applications such as banking application, inventory management application.

2.1.4 Difference between java and Advance java

Criteria	Core Java	Advance Java
Used for	It is used to develop general purpose application.	It is used to develop web-based applications.
Purpose	It does not deal with database, socket programming, etc.	It deals with socket programming, DOM, and networking applications.
Architecture	It is a single tier architecture.	It is a mute-tier architecture.
Edition	It is a Java Standard Edition.	It is a Java Enterprise Edition.
Package	It provides java.lang.* package.	It provides java.servlet.* package.

2.1.5 About JSP

JSP stands for **Java Server Pages** is a server side technology is used for creating web application and dynamic web content. In JSP tags are used to insert JAVA code into HTML pages. It is an advanced version of Servlet Technology. It is a Web based technology helps us to create dynamic and platform independent web pages. In Java code can be inserted in HTML/ XML pages or both. JSP is first converted into servlet by JSP container before processing the client’s request.

Advantage

- They are easy to maintain.
- No recompilation or redeployment is required.
- JSP has access to entire API of JAVA.

- JSP are extended version of Servlet.

Features of JSP

- **Coding in JSP is easy** :- As it is just adding JAVA code to HTML/XML.
- **Reduction in the length of Code** :- In JSP we use action tags, custom tags etc.
- **Connection to Database is easier** :-It is easier to connect website to database and allows to read or write data easily to the database.
- **Make Interactive websites** :- In this we can create dynamic web pages which helps user to interact in real time environment.
- **Portable, Powerful, flexible and easy to maintain** :- as these are browser and server independent.
- **No Redeployment and No Re-Compilation** :- It is dynamic, secure and platform independent so no need to re-compilation.
- **Extension to Servlet**: - as it has all features of servlets, implicit objects and custom tags

3. DESIGN ANALYSIS

3.1 BLOCK DIAGRAM

This is basic block diagram. Once we execute the program, initially it will ask to sign with correct credentials if your password has didn't change from 3 months then it will display security issue and ask to change password if you didn't change the password you are unable to login. After successful login you will display menu page, then the user need to click on any operation displayed on main menu to perform particular operation. After completion of the operation it will display again the main menu.

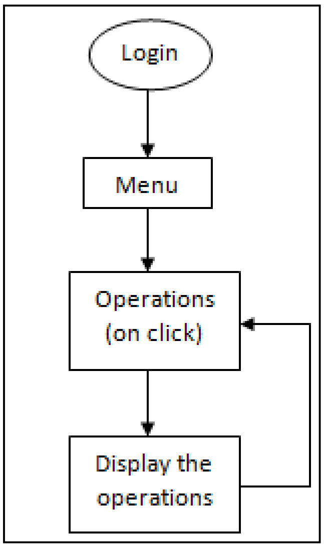


Figure 1 Block diagram

3.2 FLOW CHART

The list operations are inserting, update and delete operation on employee table, report of employees and family table of employees.

So once if we select an operation

- we can insert or update or delete operation in employee table
- we can see report of employee working in organization
- we can insert or update or delete operation in family table

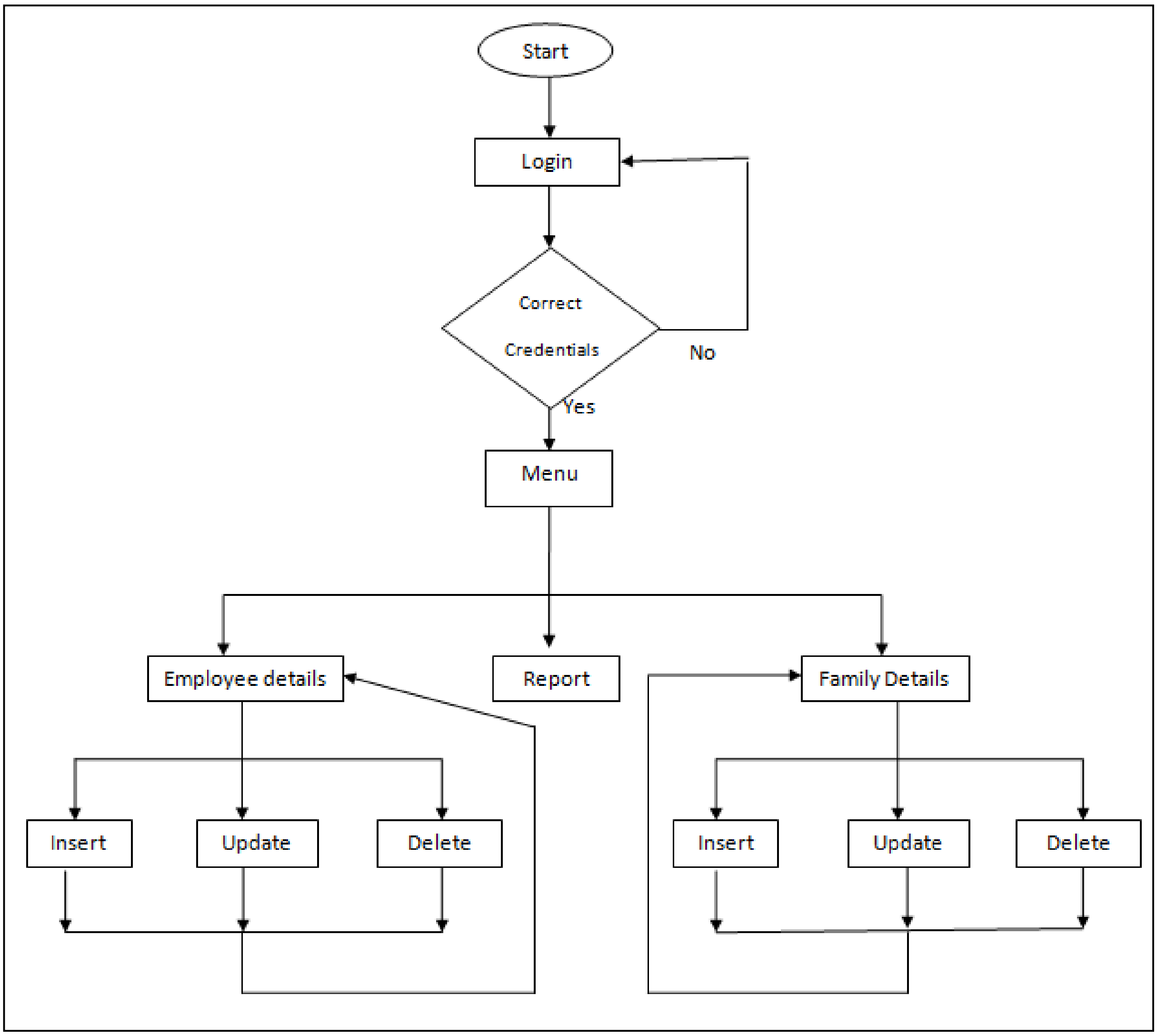


Figure 2 Flow chart

4. GRAPHICAL USER INTERFACE

4.1INPUT

In this project, inputs are entered using keyboard and mouse.

Mouse is used to select operation from menu page and update delete operations.

Keyboard is used to enter the details of employees like name, designation etc.,

Keyboard
Esc ~ ` ! 1 @ 2 # 3 $ 4 % 5 ^ 6 & 7 * 8 (9) 0 - _ + = Bksp Home PgUp
Tab q w e r t y u i o p { [}] | \ Del End PgDn
Caps a s d f g h j k l : ; " ' Insert Pause
Shift z x c v b n m < , > . ? / ↑ Shift PrtScn ScrLk
Ctrl Alt Alt Ctrl ← ↓ → Fn Options Help

Figure 3 Keyboard for entering details

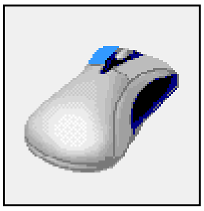


Figure 4 Mouse for selecting operations

4.2 OUTPUT

Updating database according to following instructions given by the user:

- Insert, update and delete operations and view/report of employee table
- Insert, update and delete operations of dependants table

5. IMPLEMENTATION

5.1 INTRODUCTION

In this chapter, I look at implementation like system architecture and UML diagrams.

5.2 FLOW CHART

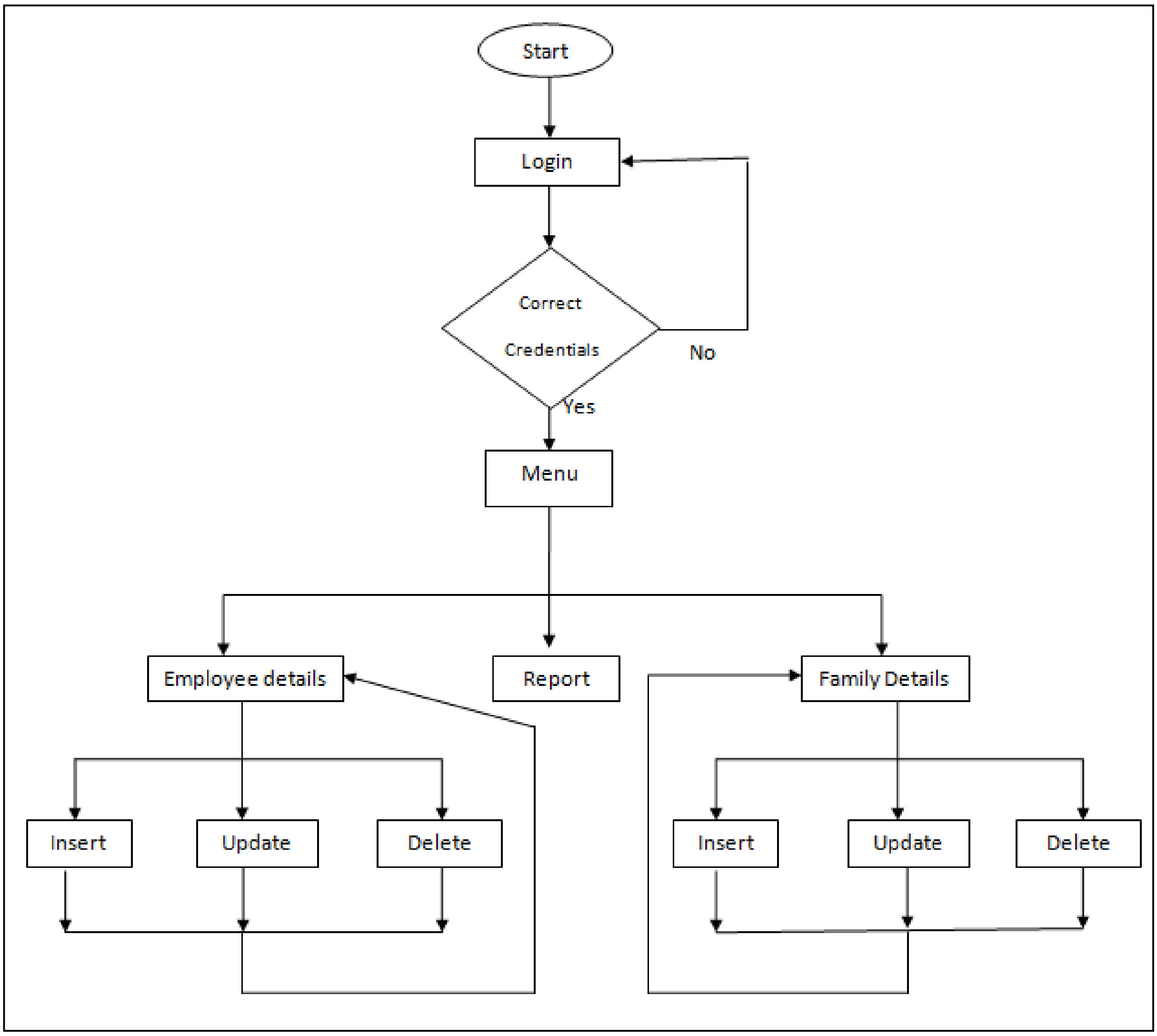


Figure 5 Flow chart

5.3 UML DIAGRAM

5.3.1 Class Diagram

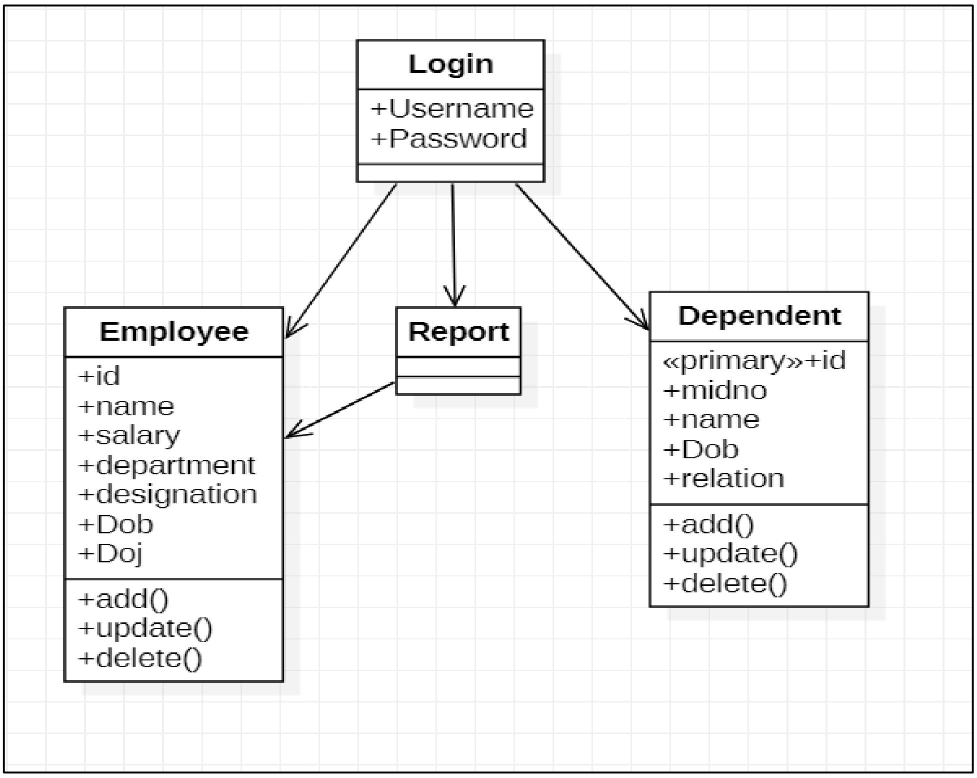


Figure 6 Class diagram of employee management system

In class diagram, there are 4 classes. They are login class, employee class, report class, dependants class. In login class, there are two normal attributes and one hidden attribute - password change date. This date will be updated automatically with Sysdate, when the password is changed by user. In employee class, there are 7 attributes: id, name, salary, department, designation, dob, doj and 3 operations: add (), update (), delete (). Coming to dependants class, there are 5 attributes: id, midno, name, DOB, relation and 3 operations same as employee class. Last class is report that is connected to employee class which will show all the details of employee class in report format.

5.3.2 Use Case Diagram

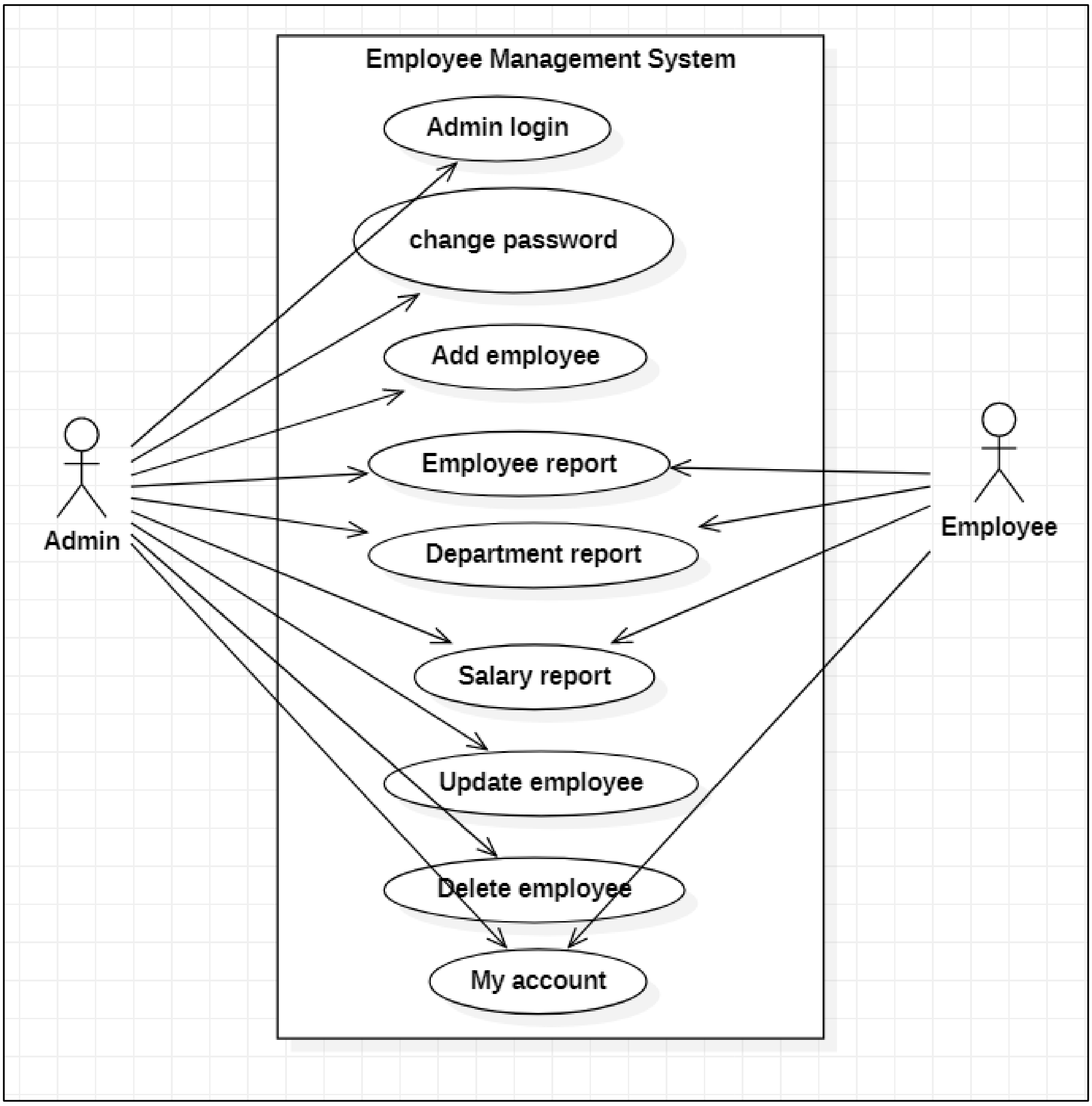


Figure 7 Use case diagram of employee management system

Here in use case diagram of employee management system there are two actors: admin and employee, and nine operations: admin login, add employee, delete employee, edit employee, change password, employee report, department report, salary report and my account.

5.3.3 Sequence diagram 1

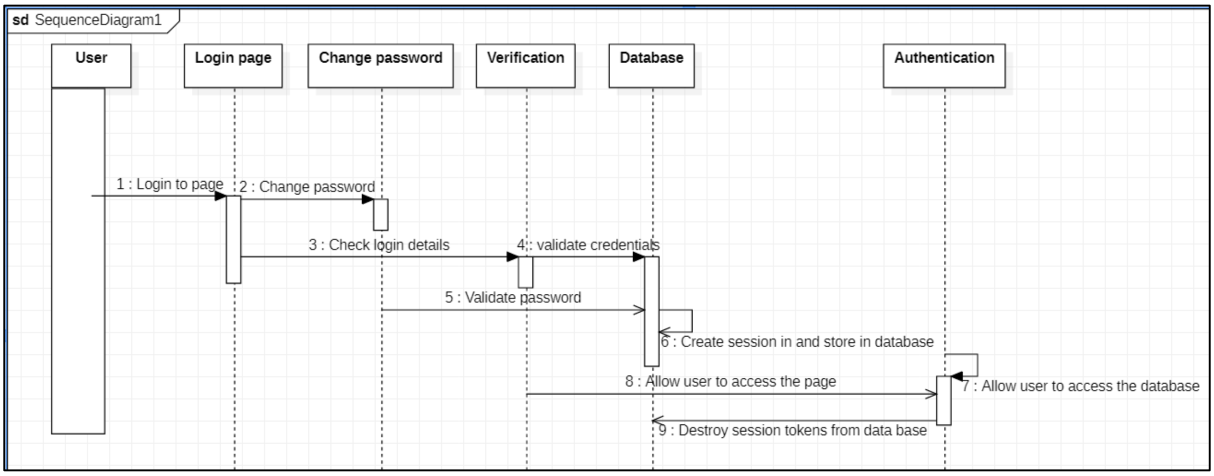


Figure 8 Sequence diagram 1 of employee management system

Here in sequence diagram there is one actor and five processes in it. Here actor is admin and processes are login page, change password, verification, database, and authentication, and coming to sequence firstly it will show login page and ask for login details like username and password here in background data is also saved for security propose and if fails in security asks to change password and after changing of password the details are updated in database. If the credentials are correct and the password change date is according to the security issue it will display the menu page the process is continued in next sequence diagram.

5.3.4 Sequence diagram 2

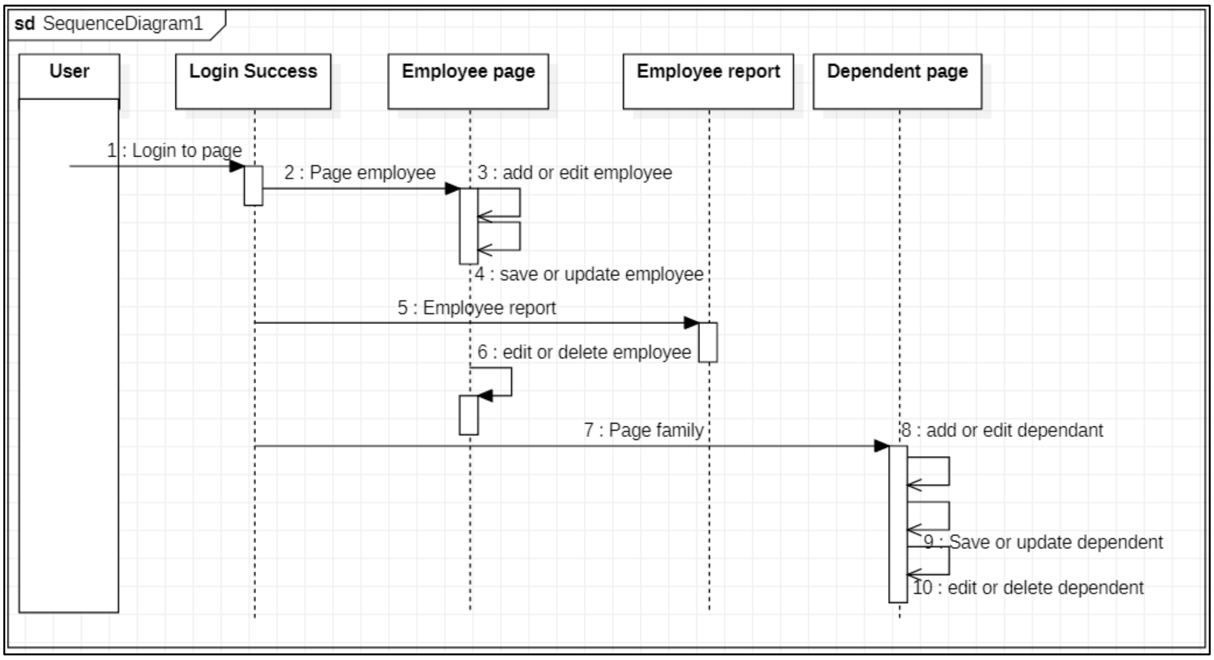


Figure 9 Sequence diagram 2 of employee management system

In sequence diagram 2, it will continue after successfully credentials and password change date according to security issues. After logging in to the employee management system you have three processes they are employee page, employee report and family page. In employee page you can perform 3 operations they are add, update, delete and in family page also same operations like employee page and coming to last operation employee report it will show the all the details of the employees like date of joining, date of birth, department, salary, designation etc. this is the sequence flow of employee management system.

5.3.5 Data flow diagram

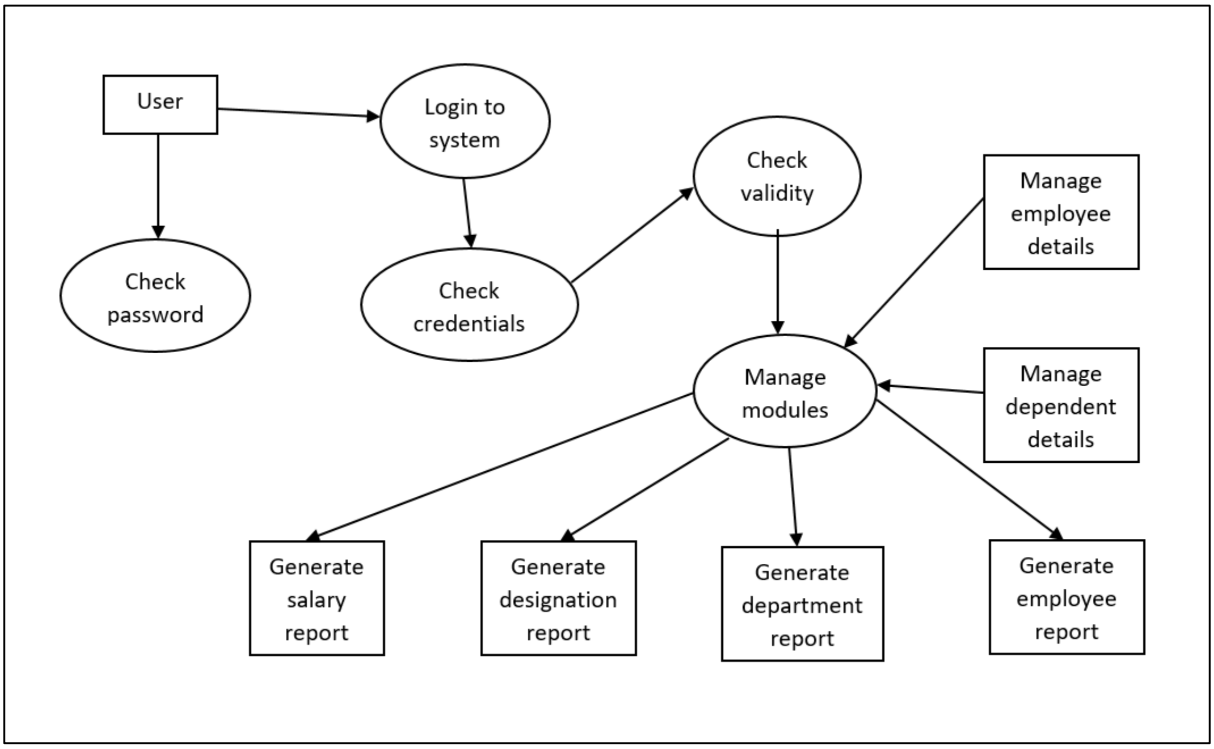


Figure 10 Data flow diagram

5.3.6 Activity diagram

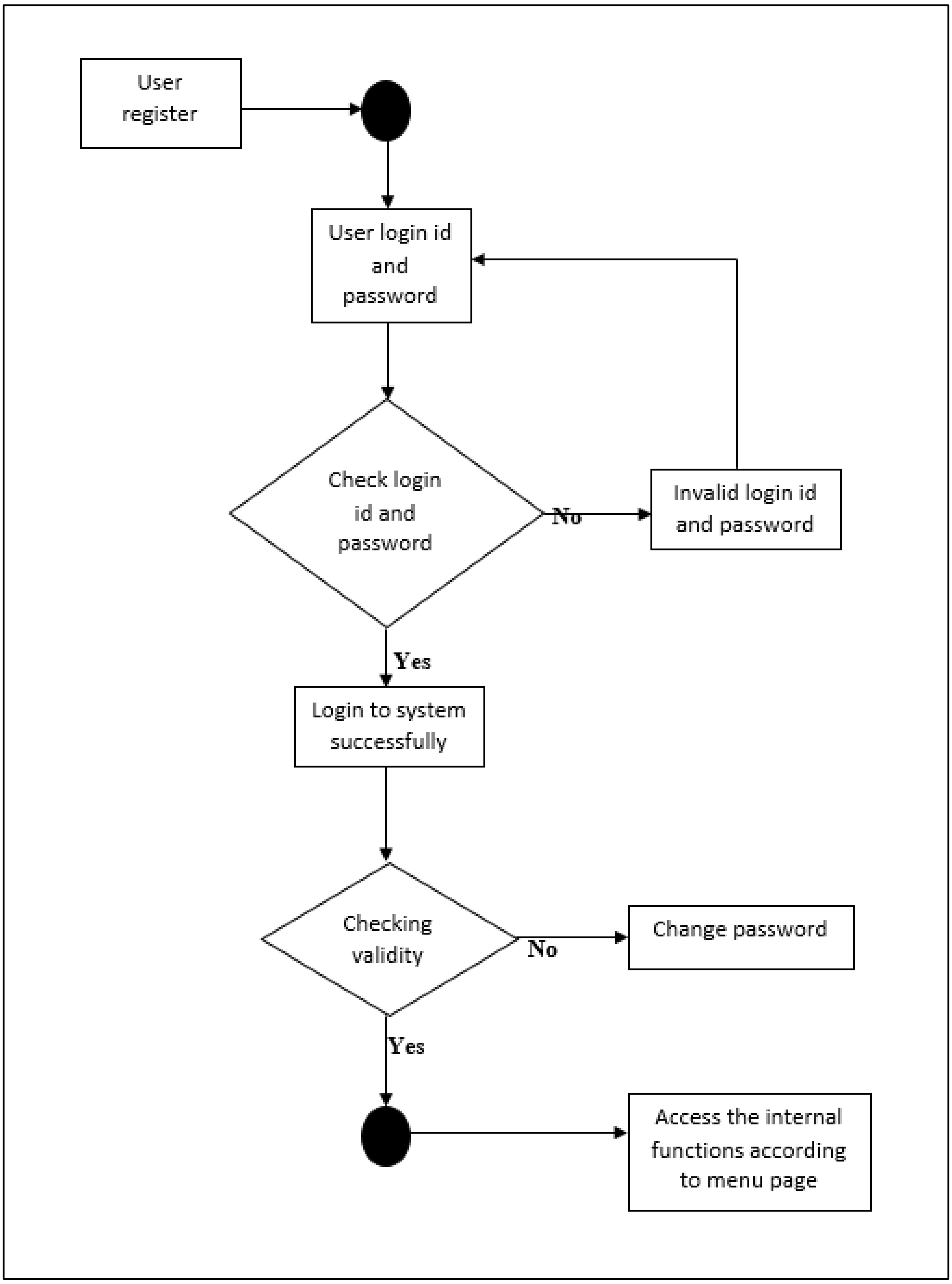

User register
User login id and password
Check login id and password
No
Invalid login id and password
Yes
Login to system successfully
Checking validity
No
Change password
Yes
Access the internal functions according to menu page

Figure 11 Activity diagram for employee management system

5.3.7 Deployment diagram

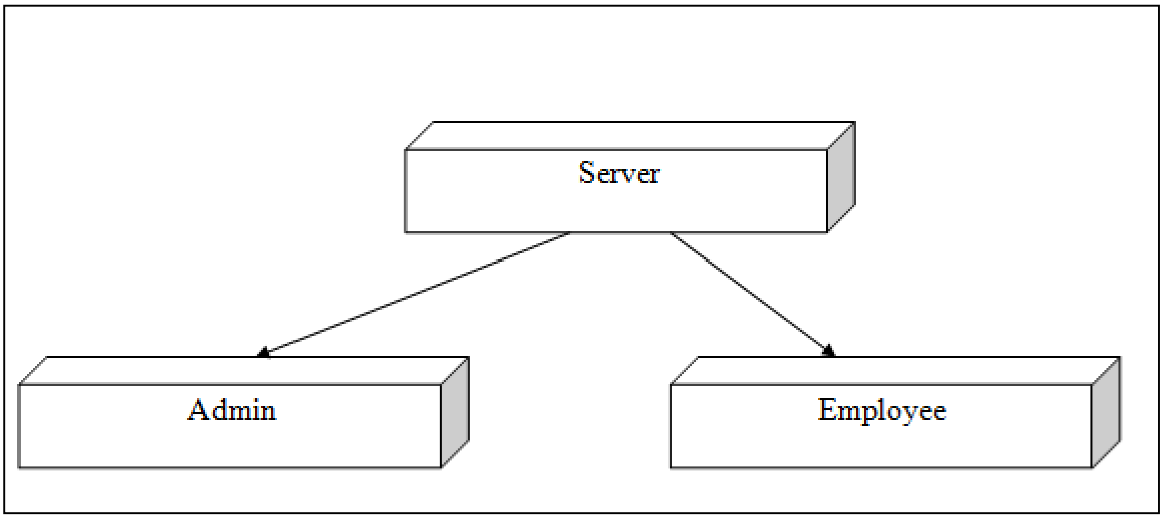


Figure 12 Deployment diagram for employee management system

5.4 MODULES

The following operations can be performed in the application are:

- Employee details.
    - Add employee
    - Delete employee
    - Update employee
- Report
- Family details
    - Add employee
    - Delete employee
    - Update employee

All the mentioned operations can be done on computer and database sequentially.

It can make admin to do operations on database of employee and family table by click the button and see details of the employees in report format.

6. TESTING

Testing is done to discover errors.
There are two methodologies in testing which include unit and integrated testing.
Unit testing is verifying each module separately. The errors if any are verified.
Integration testing is verifying all modules sequentially in a program and rectifying the errors.

6.1 INDIVIDUAL MODULE TESTING

6.1.1 Login

Test case 1: Login	Priority (H, L):High	
Test Objective: To verify login		
Test Description: should type correct credentials like • Username • Password		
Requirements verified: Yes		
Test Environment: Windows 7 System and newer, 4GB RAM, i3 processor.		
Actions	Expected Results	
Giving inputs from keyboard	Outputs of all operation	
Pass: Yes	condition pass: Yes	Fail: No
Problems/Issues: NIL		
Notes: Successfully Executed		

Table 1 Test case for Login

6.1.2 Main Menu

Test case 1: Main Menu	Priority (H, L):High
Test Objective: To verify Main Menu	
Test Description: on click button like • Employee details • Employee report • Dependent details	
Requirements verified: Yes	
Test Environment: Windows 7 System and newer, 4GB RAM, i3 processor.	
Actions	Expected Results
Doing operations with click button	Outputs of all operation
Pass: Yes condition pass: Yes Fail: No	
Problems/Issues: NIL	
Notes: Successfully Executed	

Table 2 Test case for Main Menu

6.1.3 Employee Details

Test case 1: Employee Details	Priority (H, L):High	
Test Objective: To verify Employee Details		
Test Description: on click button like • Add new employee • Update employee • Delete employee		
Requirements verified: Yes		
Test Environment: Windows 7 System and newer, 4GB RAM, i3 processor.		
Actions	Expected Results	
Doing operations with click button	Outputs of all operation	
Pass: Yes	condition pass: Yes	Fail: No
Problems/Issues: NIL		
Notes: Successfully Executed		

Table 3 Test case for employee details

6.1.4 Employee Report

Test case 1: Employee Report	Priority (H, L):High	
Test Objective: To verify Employee report		
Test Description: on click button like • Report		
Requirements verified: Yes		
Test Environment: Windows 7 System and newer, 4GB RAM, i3 processor.		
Actions	Expected Results	
Doing operations with click button	Outputs of all operation	
Pass: Yes	condition pass: Yes	Fail: No
Problems/Issues: NIL		
Notes: Successfully Executed		

Table 4 Test case for employee report

6.1.5 Dependent Details

Test case 1: Family Details	Priority (H, L):High	
Test Objective: To verify Family Details		
Test Description: on click button like • Add new dependents • Update dependents • Delete dependents		
Requirements verified: Yes		
Test Environment: Windows 7 System and newer, 4GB RAM, i3 processor.		
Actions	Expected Results	
Doing operations with click button	Outputs of all operation	
Pass: Yes	condition pass: Yes	Fail: No
Problems/Issues: NIL		
Notes: Successfully Executed		

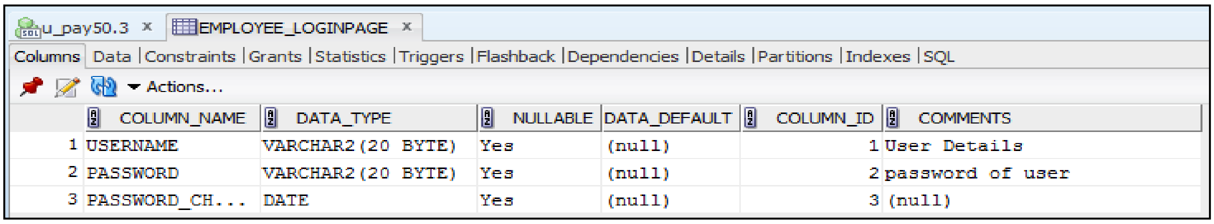
Table 5 Test case for Dependent details

7. TABLES USED IN APPLICATION

1. EMPLOYEE_LOGINPAGE (Table name):
   In EMPLOYEE_LOGINPAGE I have created three fields they are
   - USERNAME (VARCHAR2(20 BYTE))
   - PASSWORD (VARCHAR2(20 BYTE))
   - PASSWORD_CHANGE_DATE(DATE)
2. EMPLOYEE_DETAILS08 (Table name):
   In EMPLOYEE_DETAILS08 I have created seven fields, they are
   - IDNO (NUMBER)
   - NAME (VARCHAR2(20 BYTE))
   - DESIGNATION (VARCHAR2(20 BYTE))
   - BASICSALARY (NUMBER)
   - DOB (DATE)
   - DEPARTMENT (VARCHAR2(20 BYTE))
   - DOJ (DATE)
3. FAMILY_TABLE08 (Table name):
   In FAMILY_TABLE08 I have created five fields, they are
   - IDNO (NUMBER)
   - MIDNO (NUMBER)
   - NAME (VARCHAR2(20 BYTE))
   - RELATION (VARCHAR2(20 BYTE))
   - DOB (DATE)

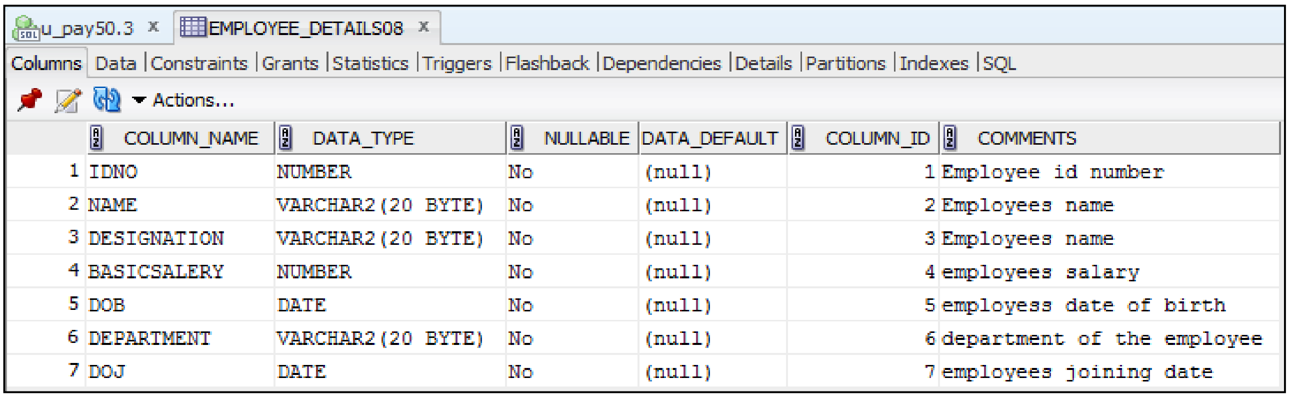
7.1 TABLES SCREENSHOTS

Data types and their column names in table


u_pay50.3
EMPLOYEE_LOGINPAGE
Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Partitions | Indexes | SQL
Actions...

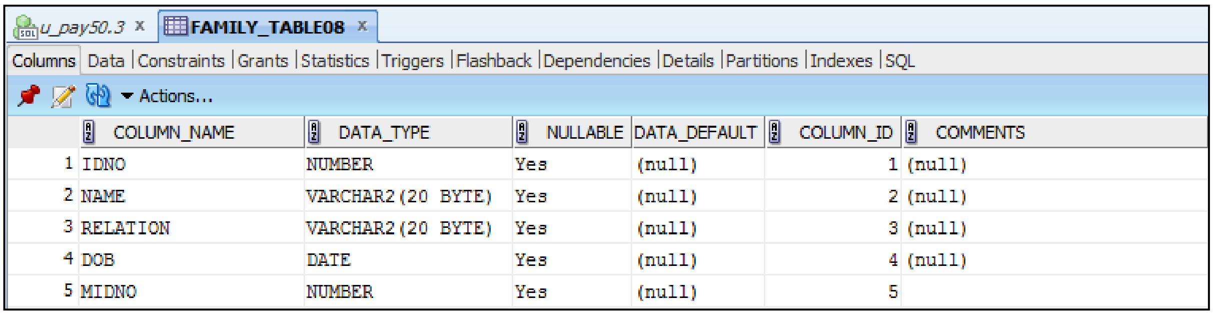
	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	USERNAME	VARCHAR2(20 BYTE)	Yes	(null)	1	User Details
2	PASSWORD	VARCHAR2(20 BYTE)	Yes	(null)	2	password of user
3	PASSWORD_CH...	DATE	Yes	(null)	3	(null)

Figure 13 Employee_loginpage table fields and data types


u_pay50.3
EMPLOYEE_DETAILS08
Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Partitions | Indexes | SQL
Actions...

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	IDNO	NUMBER	No	(null)	1	Employee id number
2	NAME	VARCHAR2(20 BYTE)	No	(null)	2	Employees name
3	DESIGNATION	VARCHAR2(20 BYTE)	No	(null)	3	Employees name
4	BASICSALERY	NUMBER	No	(null)	4	employees salary
5	DOB	DATE	No	(null)	5	employess date of birth
6	DEPARTMENT	VARCHAR2(20 BYTE)	No	(null)	6	department of the employee
7	DOJ	DATE	No	(null)	7	employees joining date

Figure 14 Employee_details08 table fields and data types.

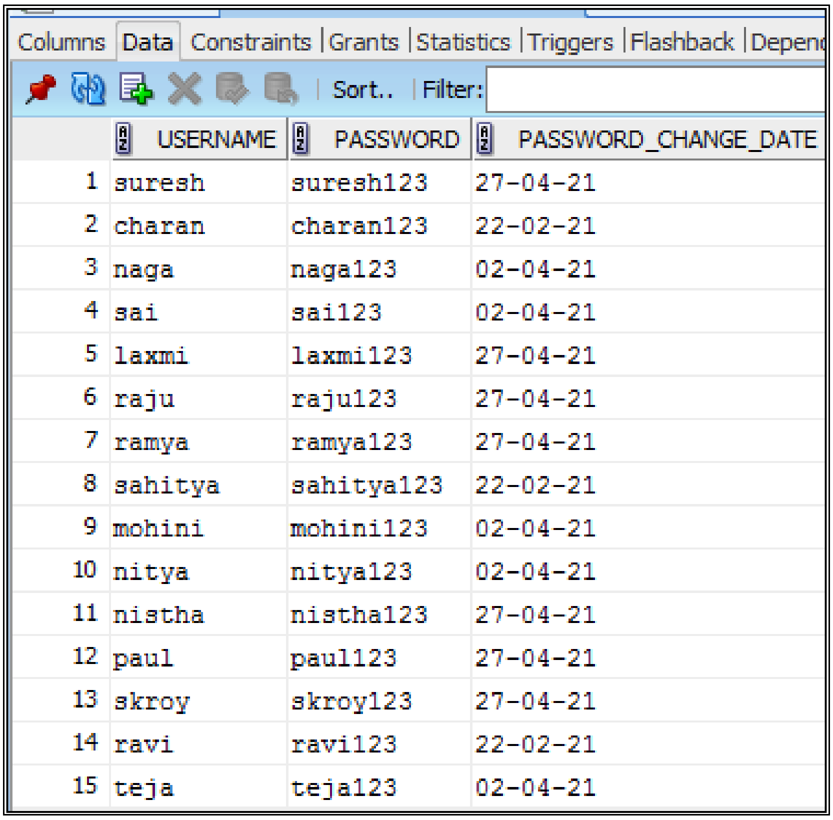

u_pay50.3
FAMILY_TABLE08
Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Partitions | Indexes | SQL
Actions...

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	IDNO	NUMBER	Yes	(null)	1	(null)
2	NAME	VARCHAR2(20 BYTE)	Yes	(null)	2	(null)
3	RELATION	VARCHAR2(20 BYTE)	Yes	(null)	3	(null)
4	DOB	DATE	Yes	(null)	4	(null)
5	MIDNO	NUMBER	Yes	(null)	5	

Figure 15 FAMILY_TABLE08 table fields and data types.

7.2 DATA IN TABLES

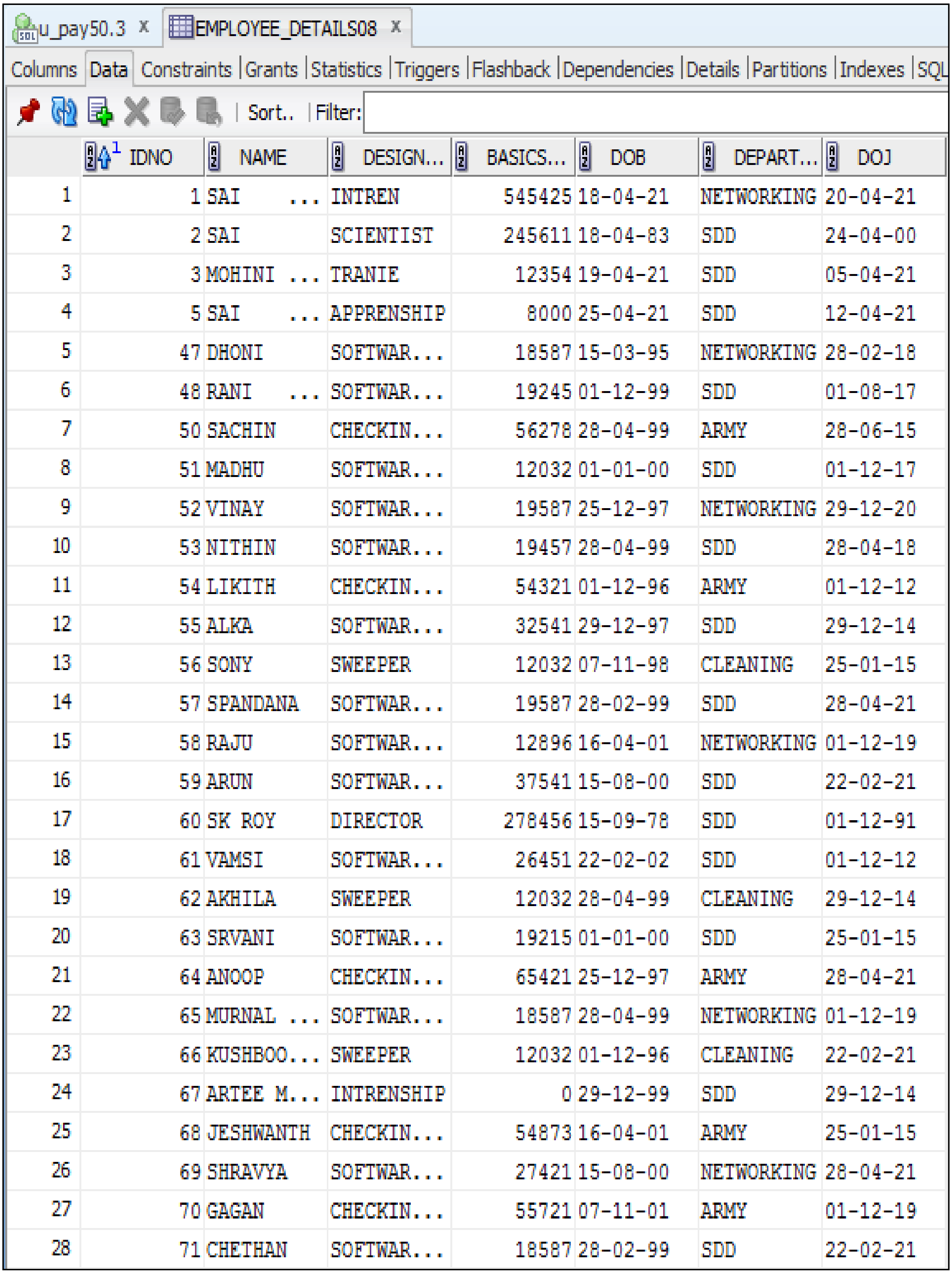
1. Data in employee_loginpage



	USERNAME	PASSWORD	PASSWORD_CHANGE_DATE
1	suresh	suresh123	27-04-21
2	charan	charan123	22-02-21
3	naga	naga123	02-04-21
4	sai	sai123	02-04-21
5	laxmi	laxmi123	27-04-21
6	raju	raju123	27-04-21
7	ramya	ramya123	27-04-21
8	sahitya	sahitya123	22-02-21
9	mohini	mohini123	02-04-21
10	nitya	nitya123	02-04-21
11	nistha	nistha123	27-04-21
12	paul	paul123	27-04-21
13	skroy	skroy123	27-04-21
14	ravi	ravi123	22-02-21
15	teja	teja123	02-04-21

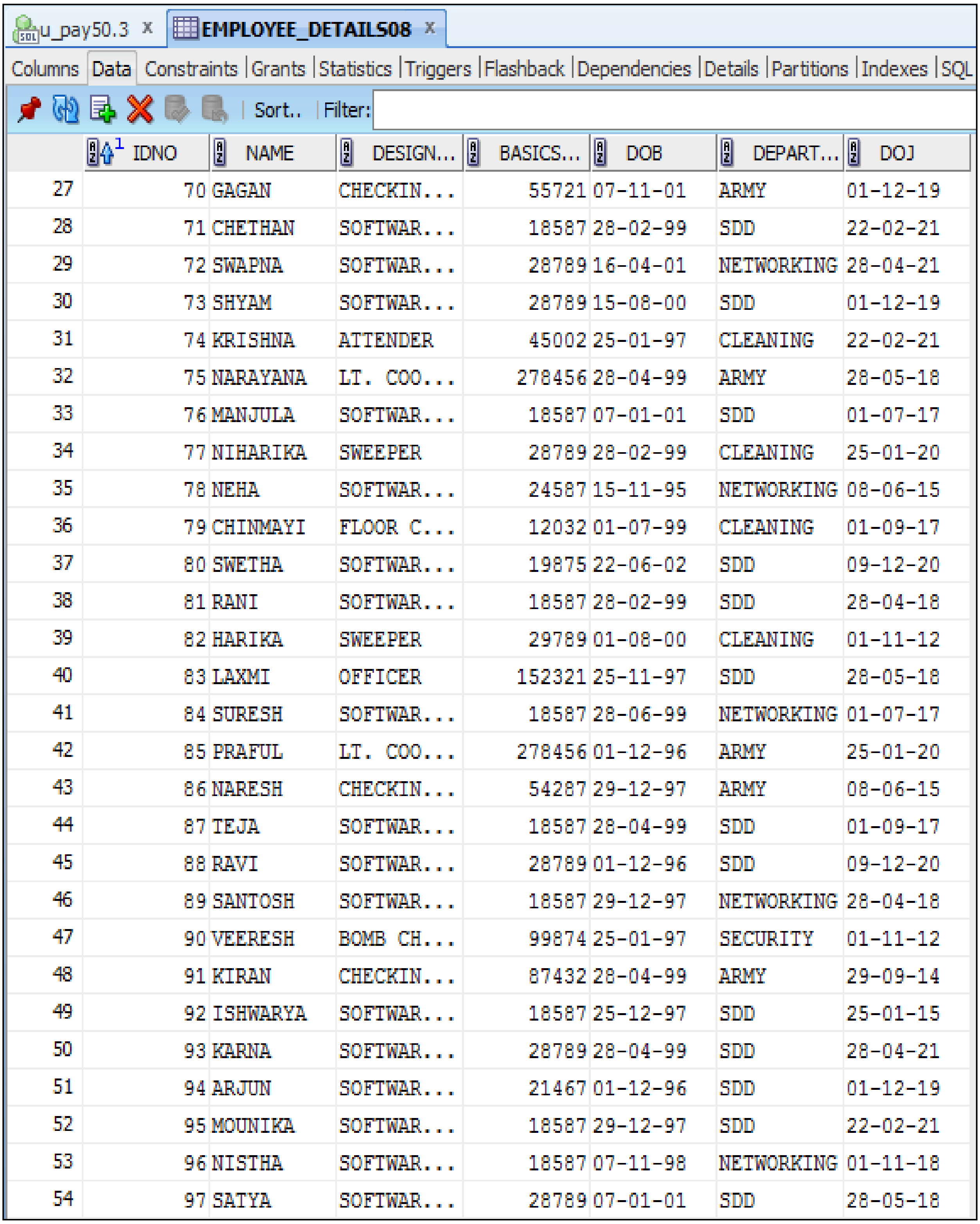
Figure 16 Employee_loginpage data.

2. Data in employee_details08



	IDNO	NAME	DESIGN...	BASICS...	DOB	DEPART...	DOJ
1	1	SAI ...	INTREN	545425	18-04-21	NETWORKING	20-04-21
2	2	SAI	SCIENTIST	245611	18-04-83	SDD	24-04-00
3	3	MOHINI ...	TRANIE	12354	19-04-21	SDD	05-04-21
4	5	SAI ...	APPRENSHIP	8000	25-04-21	SDD	12-04-21
5	47	DHONI	SOFTWAR...	18587	15-03-95	NETWORKING	28-02-18
6	48	RANI ...	SOFTWAR...	19245	01-12-99	SDD	01-08-17
7	50	SACHIN	CHECKIN...	56278	28-04-99	ARMY	28-06-15
8	51	MADHU	SOFTWAR...	12032	01-01-00	SDD	01-12-17
9	52	VINAY	SOFTWAR...	19587	25-12-97	NETWORKING	29-12-20
10	53	NITHIN	SOFTWAR...	19457	28-04-99	SDD	28-04-18
11	54	LIKITH	CHECKIN...	54321	01-12-96	ARMY	01-12-12
12	55	ALKA	SOFTWAR...	32541	29-12-97	SDD	29-12-14
13	56	SONY	SWEEPER	12032	07-11-98	CLEANING	25-01-15
14	57	SPANDANA	SOFTWAR...	19587	28-02-99	SDD	28-04-21
15	58	RAJU	SOFTWAR...	12896	16-04-01	NETWORKING	01-12-19
16	59	ARUN	SOFTWAR...	37541	15-08-00	SDD	22-02-21
17	60	SK ROY	DIRECTOR	278456	15-09-78	SDD	01-12-91
18	61	VAMSI	SOFTWAR...	26451	22-02-02	SDD	01-12-12
19	62	AKHILA	SWEEPER	12032	28-04-99	CLEANING	29-12-14
20	63	SRVANI	SOFTWAR...	19215	01-01-00	SDD	25-01-15
21	64	ANOOP	CHECKIN...	65421	25-12-97	ARMY	28-04-21
22	65	MURNAL ...	SOFTWAR...	18587	28-04-99	NETWORKING	01-12-19
23	66	KUSHBOO...	SWEEPER	12032	01-12-96	CLEANING	22-02-21
24	67	ARTEE M...	INTRENSHIP	0	29-12-99	SDD	29-12-14
25	68	JESHWANTH	CHECKIN...	54873	16-04-01	ARMY	25-01-15
26	69	SHRAVYA	SOFTWAR...	27421	15-08-00	NETWORKING	28-04-21
27	70	GAGAN	CHECKIN...	55721	07-11-01	ARMY	01-12-19
28	71	CHETHAN	SOFTWAR...	18587	28-02-99	SDD	22-02-21

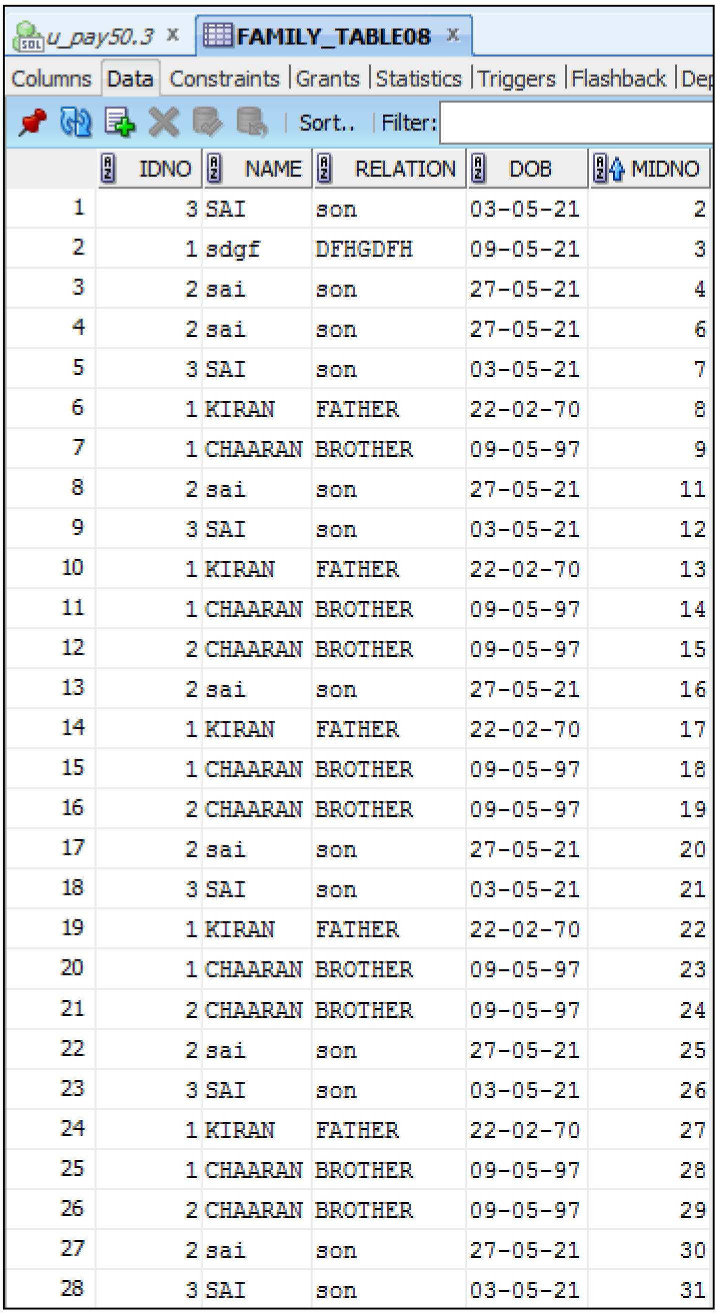
Figure 17 Employee_details08 data.



	IDNO	NAME	DESIGN...	BASICS...	DOB	DEPART...	DOJ
27	70	GAGAN	CHECKIN...	55721	07-11-01	ARMY	01-12-19
28	71	CHETHAN	SOFTWAR...	18587	28-02-99	SDD	22-02-21
29	72	SWAPNA	SOFTWAR...	28789	16-04-01	NETWORKING	28-04-21
30	73	SHYAM	SOFTWAR...	28789	15-08-00	SDD	01-12-19
31	74	KRISHNA	ATTENDER	45002	25-01-97	CLEANING	22-02-21
32	75	NARAYANA	LT. COO...	278456	28-04-99	ARMY	28-05-18
33	76	MANJULA	SOFTWAR...	18587	07-01-01	SDD	01-07-17
34	77	NIHARIKA	SWEEPER	28789	28-02-99	CLEANING	25-01-20
35	78	NEHA	SOFTWAR...	24587	15-11-95	NETWORKING	08-06-15
36	79	CHINMAYI	FLOOR C...	12032	01-07-99	CLEANING	01-09-17
37	80	SWETHA	SOFTWAR...	19875	22-06-02	SDD	09-12-20
38	81	RANI	SOFTWAR...	18587	28-02-99	SDD	28-04-18
39	82	HARIKA	SWEEPER	29789	01-08-00	CLEANING	01-11-12
40	83	LAXMI	OFFICER	152321	25-11-97	SDD	28-05-18
41	84	SURESH	SOFTWAR...	18587	28-06-99	NETWORKING	01-07-17
42	85	PRAFUL	LT. COO...	278456	01-12-96	ARMY	25-01-20
43	86	NARESH	CHECKIN...	54287	29-12-97	ARMY	08-06-15
44	87	TEJA	SOFTWAR...	18587	28-04-99	SDD	01-09-17
45	88	RAVI	SOFTWAR...	28789	01-12-96	SDD	09-12-20
46	89	SANTOSH	SOFTWAR...	18587	29-12-97	NETWORKING	28-04-18
47	90	VEERESH	BOMB CH...	99874	25-01-97	SECURITY	01-11-12
48	91	KIRAN	CHECKIN...	87432	28-04-99	ARMY	29-09-14
49	92	ISHWARYA	SOFTWAR...	18587	25-12-97	SDD	25-01-15
50	93	KARNA	SOFTWAR...	28789	28-04-99	SDD	28-04-21
51	94	ARJUN	SOFTWAR...	21467	01-12-96	SDD	01-12-19
52	95	MOUNIKA	SOFTWAR...	18587	29-12-97	SDD	22-02-21
53	96	NISTHA	SOFTWAR...	18587	07-11-98	NETWORKING	01-11-18
54	97	SATYA	SOFTWAR...	28789	07-01-01	SDD	28-05-18

Figure 18 Employee_details08 data.

3. Data in FAMILY_TABLE08



	IDNO	NAME	RELATION	DOB	MIDNO
1	3	SAI	son	03-05-21	2
2	1	sdgf	DFHGDFH	09-05-21	3
3	2	sai	son	27-05-21	4
4	2	sai	son	27-05-21	6
5	3	SAI	son	03-05-21	7
6	1	KIRAN	FATHER	22-02-70	8
7	1	CHAARAN	BROTHER	09-05-97	9
8	2	sai	son	27-05-21	11
9	3	SAI	son	03-05-21	12
10	1	KIRAN	FATHER	22-02-70	13
11	1	CHAARAN	BROTHER	09-05-97	14
12	2	CHAARAN	BROTHER	09-05-97	15
13	2	sai	son	27-05-21	16
14	1	KIRAN	FATHER	22-02-70	17
15	1	CHAARAN	BROTHER	09-05-97	18
16	2	CHAARAN	BROTHER	09-05-97	19
17	2	sai	son	27-05-21	20
18	3	SAI	son	03-05-21	21
19	1	KIRAN	FATHER	22-02-70	22
20	1	CHAARAN	BROTHER	09-05-97	23
21	2	CHAARAN	BROTHER	09-05-97	24
22	2	sai	son	27-05-21	25
23	3	SAI	son	03-05-21	26
24	1	KIRAN	FATHER	22-02-70	27
25	1	CHAARAN	BROTHER	09-05-97	28
26	2	CHAARAN	BROTHER	09-05-97	29
27	2	sai	son	27-05-21	30
28	3	SAI	son	03-05-21	31

Figure 19 Family_table08 data.

7.3 APPLICATION SCREENSHOTS

Login screenshot:

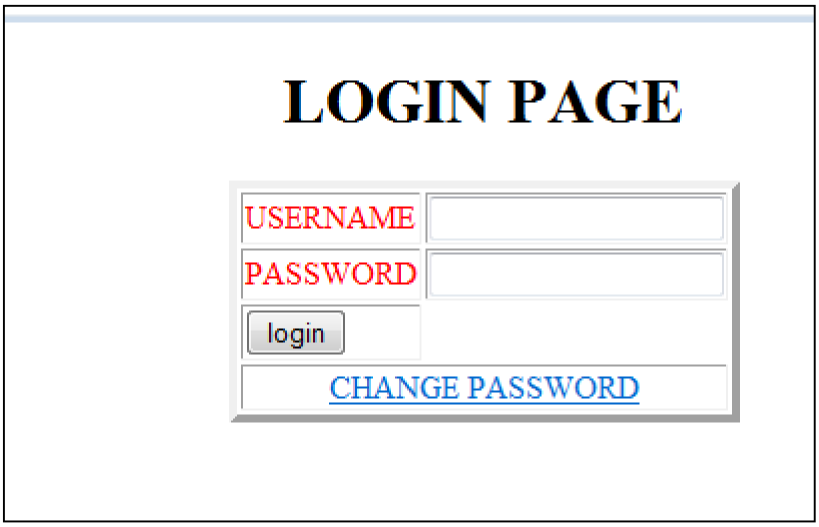
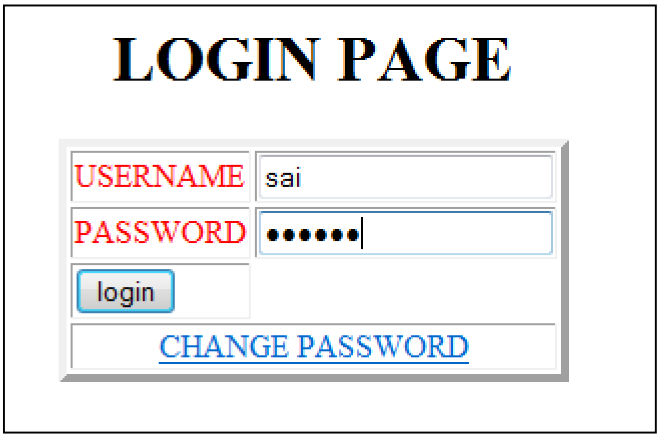


Figure 20 Login page

Login screenshot with data:

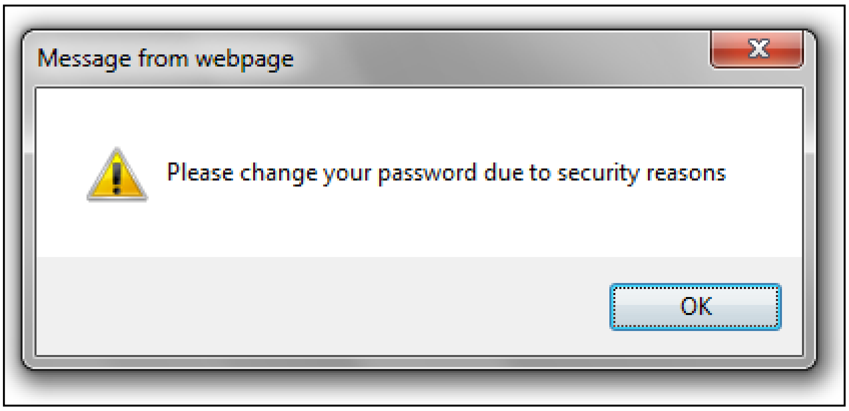


USERNAME sai

PASSWORD ••••••

Figure 21 Login with data

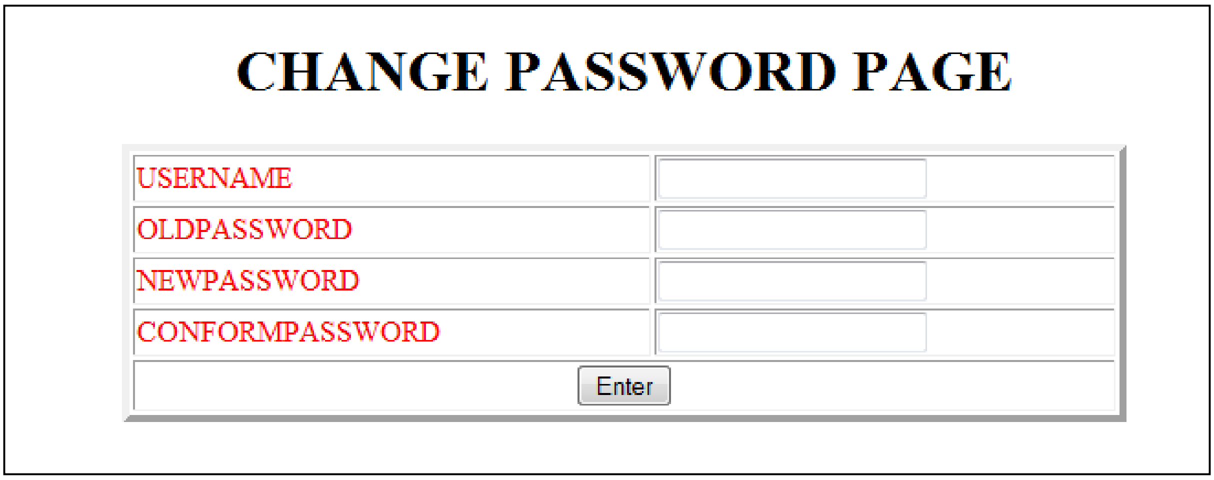
Login screenshot with security issue:



Please change your password due to security reasons

Figure 22 Login with security issue

Login screenshot with security issue after displaying alert:



CHANGE PASSWORD PAGE

USERNAME	
OLDPASSWORD	
NEWPASSWORD	
CONFORMPASSWORD	

Figure 23 Login with security issue after displaying alert

Change password screenshot:

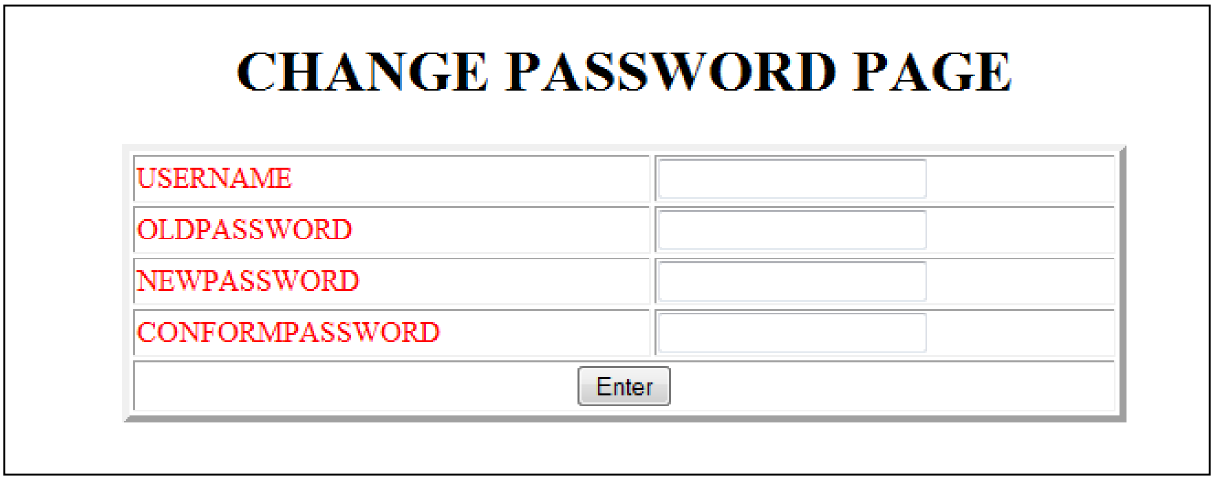


Figure 24 Change password

Main menu screenshot after successful login:

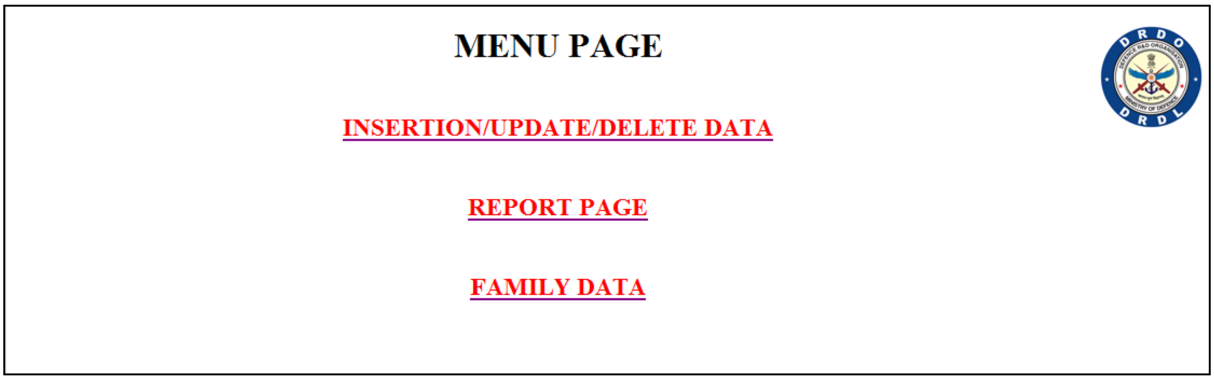
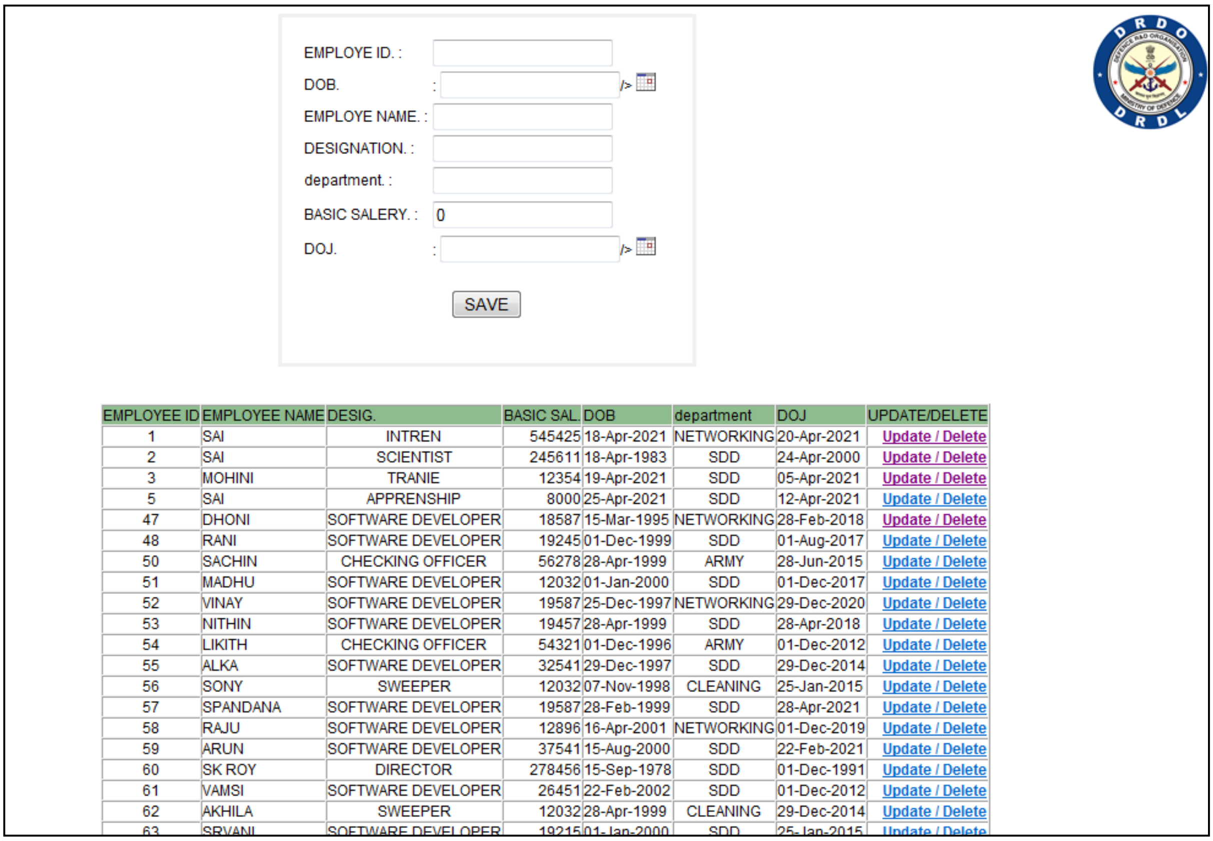


Figure 25 Menu Page

Insert\update\delete data screenshot of employee:



EMPLOYE ID. :

DOB. : />

EMPLOYE NAME. :

DESIGNATION. :

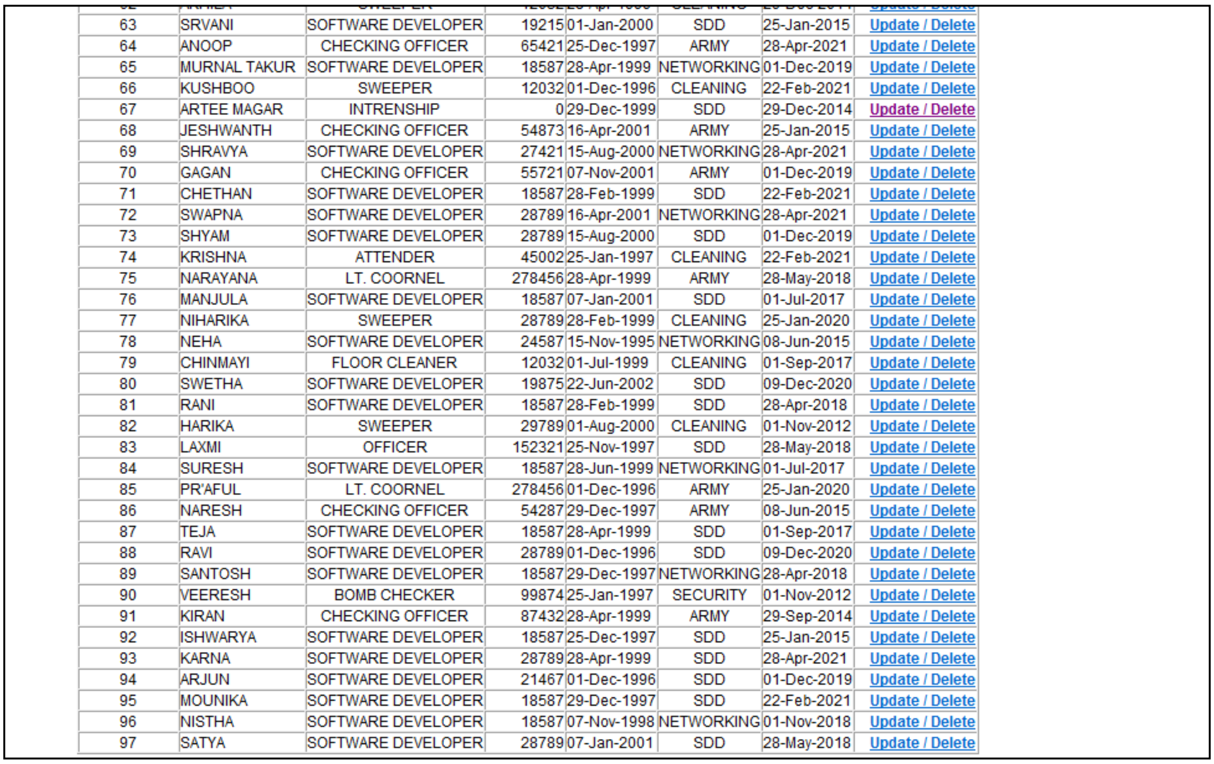
department. :

BASIC SALERY. : 0

DOJ. : />

EMPLOYEE ID	EMPLOYEE NAME	DESIG.	BASIC SAL.	DOB	department	DOJ	UPDATE/DELETE
1	SAI	INTREN	545425	18-Apr-2021	NETWORKING	20-Apr-2021	Update / Delete
2	SAI	SCIENTIST	245611	18-Apr-1983	SDD	24-Apr-2000	Update / Delete
3	MOHINI	TRANIE	12354	19-Apr-2021	SDD	05-Apr-2021	Update / Delete
5	SAI	APPRENSHIP	8000	25-Apr-2021	SDD	12-Apr-2021	Update / Delete
47	DHONI	SOFTWARE DEVELOPER	18587	15-Mar-1995	NETWORKING	28-Feb-2018	Update / Delete
48	RANI	SOFTWARE DEVELOPER	19245	01-Dec-1999	SDD	01-Aug-2017	Update / Delete
50	SACHIN	CHECKING OFFICER	56278	28-Apr-1999	ARMY	28-Jun-2015	Update / Delete
51	MADHU	SOFTWARE DEVELOPER	12032	01-Jan-2000	SDD	01-Dec-2017	Update / Delete
52	VINAY	SOFTWARE DEVELOPER	19587	25-Dec-1997	NETWORKING	29-Dec-2020	Update / Delete
53	NITHIN	SOFTWARE DEVELOPER	19457	28-Apr-1999	SDD	28-Apr-2018	Update / Delete
54	LIKITH	CHECKING OFFICER	54321	01-Dec-1996	ARMY	01-Dec-2012	Update / Delete
55	ALKA	SOFTWARE DEVELOPER	32541	29-Dec-1997	SDD	29-Dec-2014	Update / Delete
56	SONY	SWEEPER	12032	07-Nov-1998	CLEANING	25-Jan-2015	Update / Delete
57	SPANDANA	SOFTWARE DEVELOPER	19587	28-Feb-1999	SDD	28-Apr-2021	Update / Delete
58	RAJU	SOFTWARE DEVELOPER	12896	16-Apr-2001	NETWORKING	01-Dec-2019	Update / Delete
59	ARUN	SOFTWARE DEVELOPER	37541	15-Aug-2000	SDD	22-Feb-2021	Update / Delete
60	SK ROY	DIRECTOR	278456	15-Sep-1978	SDD	01-Dec-1991	Update / Delete
61	VAMSI	SOFTWARE DEVELOPER	26451	22-Feb-2002	SDD	01-Dec-2012	Update / Delete
62	AKHILA	SWEEPER	12032	28-Apr-1999	CLEANING	29-Dec-2014	Update / Delete
63	SRVANI	SOFTWARE DEVELOPER	19215	01-Jan-2000	SDD	25-Jan-2015	Update / Delete

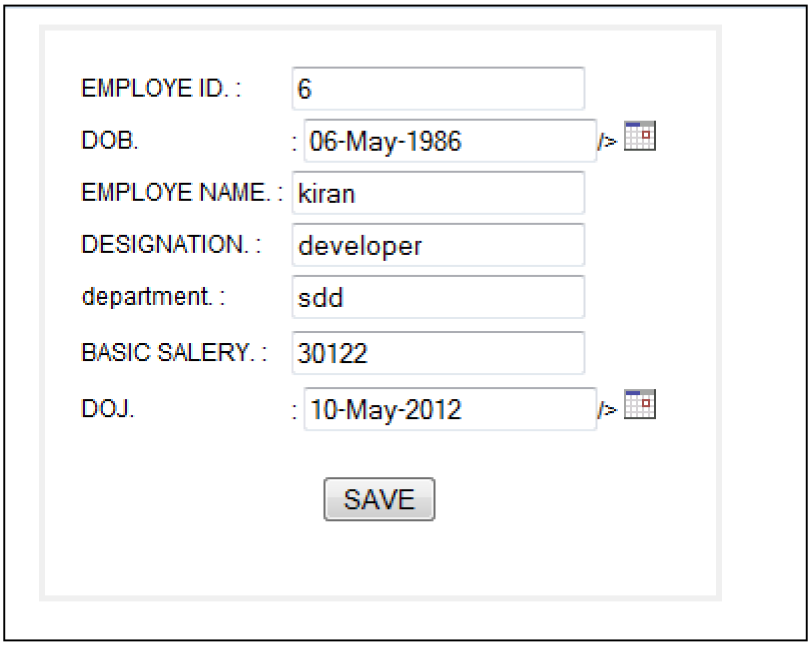
Figure 26 Insert\update\delete data of employee



63	SRVANI	SOFTWARE DEVELOPER	19215	01-Jan-2000	SDD	25-Jan-2015	Update / Delete
64	ANOOP	CHECKING OFFICER	65421	25-Dec-1997	ARMY	28-Apr-2021	Update / Delete
65	MURNAL TAKUR	SOFTWARE DEVELOPER	18587	28-Apr-1999	NETWORKING	01-Dec-2019	Update / Delete
66	KUSHBOO	SWEEPER	12032	01-Dec-1996	CLEANING	22-Feb-2021	Update / Delete
67	ARTEE MAGAR	INTRENSHIP	0	29-Dec-1999	SDD	29-Dec-2014	Update / Delete
68	JESHWANTH	CHECKING OFFICER	54873	16-Apr-2001	ARMY	25-Jan-2015	Update / Delete
69	SHRAVYA	SOFTWARE DEVELOPER	27421	15-Aug-2000	NETWORKING	28-Apr-2021	Update / Delete
70	GAGAN	CHECKING OFFICER	55721	07-Nov-2001	ARMY	01-Dec-2019	Update / Delete
71	CHETHAN	SOFTWARE DEVELOPER	18587	28-Feb-1999	SDD	22-Feb-2021	Update / Delete
72	SWAPNA	SOFTWARE DEVELOPER	28789	16-Apr-2001	NETWORKING	28-Apr-2021	Update / Delete
73	SHYAM	SOFTWARE DEVELOPER	28789	15-Aug-2000	SDD	01-Dec-2019	Update / Delete
74	KRISHNA	ATTENDER	45002	25-Jan-1997	CLEANING	22-Feb-2021	Update / Delete
75	NARAYANA	LT. COORNEL	278456	28-Apr-1999	ARMY	28-May-2018	Update / Delete
76	MANJULA	SOFTWARE DEVELOPER	18587	07-Jan-2001	SDD	01-Jul-2017	Update / Delete
77	NIHARIKA	SWEEPER	28789	28-Feb-1999	CLEANING	25-Jan-2020	Update / Delete
78	NEHA	SOFTWARE DEVELOPER	24587	15-Nov-1995	NETWORKING	08-Jun-2015	Update / Delete
79	CHINMAYI	FLOOR CLEANER	12032	01-Jul-1999	CLEANING	01-Sep-2017	Update / Delete
80	SWETHA	SOFTWARE DEVELOPER	19875	22-Jun-2002	SDD	09-Dec-2020	Update / Delete
81	RANI	SOFTWARE DEVELOPER	18587	28-Feb-1999	SDD	28-Apr-2018	Update / Delete
82	HARIKA	SWEEPER	29789	01-Aug-2000	CLEANING	01-Nov-2012	Update / Delete
83	LAXMI	OFFICER	152321	25-Nov-1997	SDD	28-May-2018	Update / Delete
84	SURESH	SOFTWARE DEVELOPER	18587	28-Jun-1999	NETWORKING	01-Jul-2017	Update / Delete
85	PR'AFUL	LT. COORNEL	278456	01-Dec-1996	ARMY	25-Jan-2020	Update / Delete
86	NARESH	CHECKING OFFICER	54287	29-Dec-1997	ARMY	08-Jun-2015	Update / Delete
87	TEJA	SOFTWARE DEVELOPER	18587	28-Apr-1999	SDD	01-Sep-2017	Update / Delete
88	RAVI	SOFTWARE DEVELOPER	28789	01-Dec-1996	SDD	09-Dec-2020	Update / Delete
89	SANTOSH	SOFTWARE DEVELOPER	18587	29-Dec-1997	NETWORKING	28-Apr-2018	Update / Delete
90	VEERESH	BOMB CHECKER	99874	25-Jan-1997	SECURITY	01-Nov-2012	Update / Delete
91	KIRAN	CHECKING OFFICER	87432	28-Apr-1999	ARMY	29-Sep-2014	Update / Delete
92	ISHWARYA	SOFTWARE DEVELOPER	18587	25-Dec-1997	SDD	25-Jan-2015	Update / Delete
93	KARNA	SOFTWARE DEVELOPER	28789	28-Apr-1999	SDD	28-Apr-2021	Update / Delete
94	ARJUN	SOFTWARE DEVELOPER	21467	01-Dec-1996	SDD	01-Dec-2019	Update / Delete
95	MOUNIKA	SOFTWARE DEVELOPER	18587	29-Dec-1997	SDD	22-Feb-2021	Update / Delete
96	NISTHA	SOFTWARE DEVELOPER	18587	07-Nov-1998	NETWORKING	01-Nov-2018	Update / Delete
97	SATYA	SOFTWARE DEVELOPER	28789	07-Jan-2001	SDD	28-May-2018	Update / Delete

Figure 27 Insert\update\delete data of employee

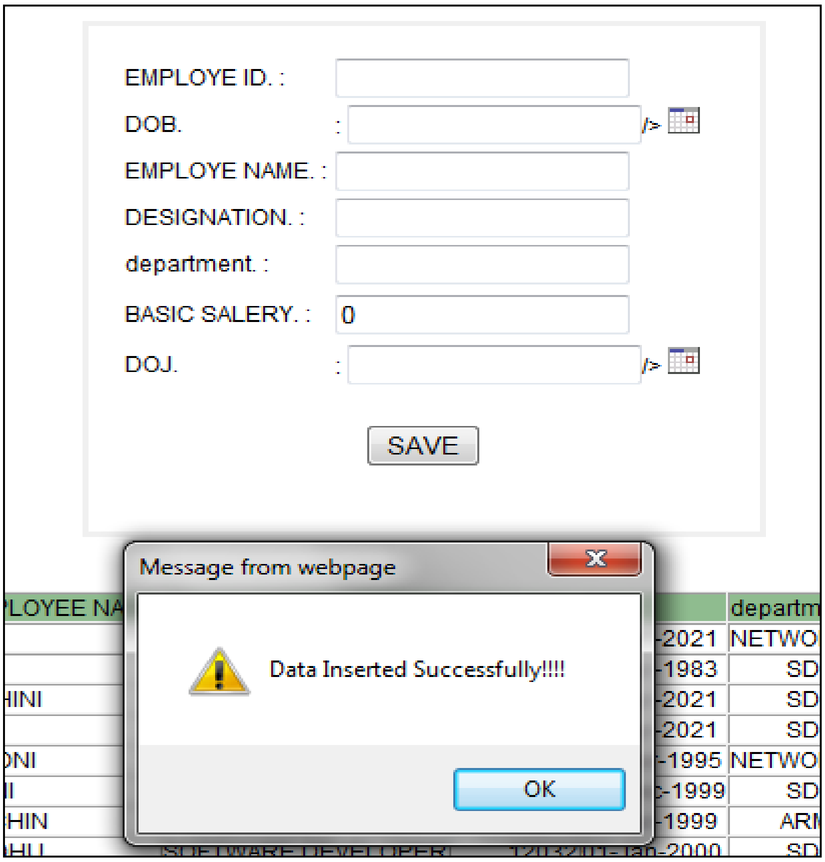
Inserting data screenshot:



EMPLOYE ID. :	6
DOB. :	06-May-1986
EMPLOYE NAME. :	kiran
DESIGNATION. :	developer
department. :	sdd
BASIC SALERY. :	30122
DOJ. :	10-May-2012

Figure 28 Inserting data

Inserted data notification:



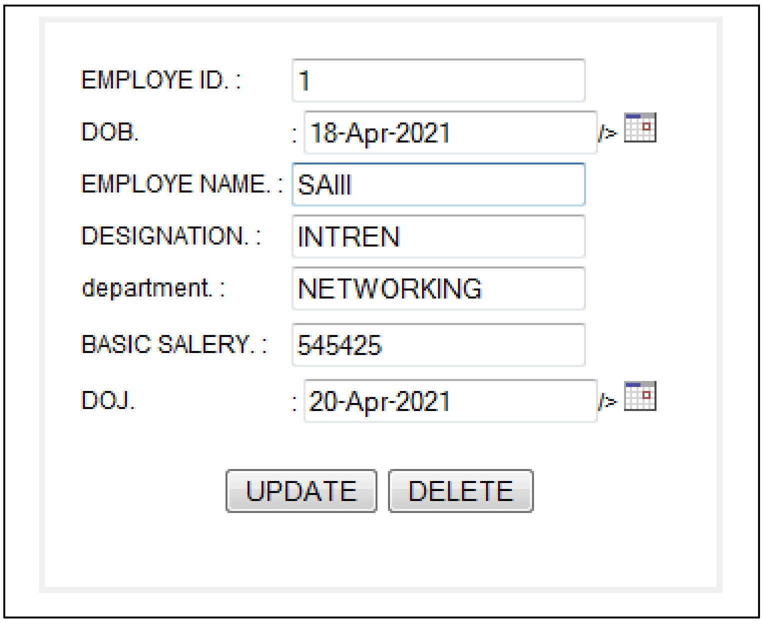
EMPLOYE ID. :	
DOB. :	
EMPLOYE NAME. :	
DESIGNATION. :	
department. :	
BASIC SALERY. :	0
DOJ. :	

Message from webpage

Data Inserted Successfully!!!!

Figure 29 Inserted data notification

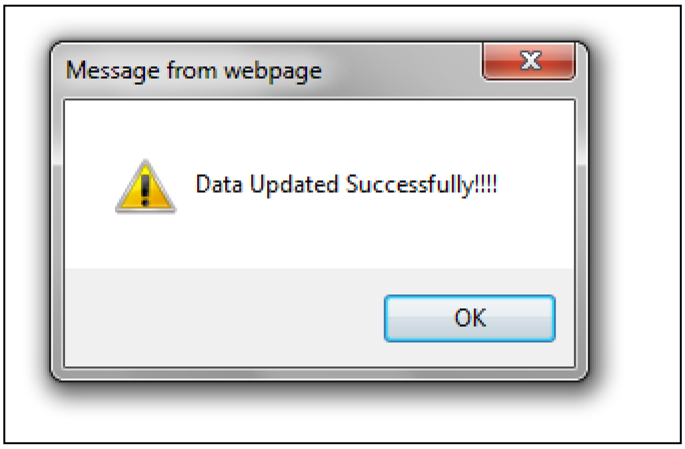
Update data screenshot:



EMPLOYE ID. :	1
DOB.	: 18-Apr-2021 />
EMPLOYE NAME. :	SAIII
DESIGNATION. :	INTREN
department. :	NETWORKING
BASIC SALERY. :	545425
DOJ.	: 20-Apr-2021 />

Figure 30 Update data

Updated data notification screenshot:

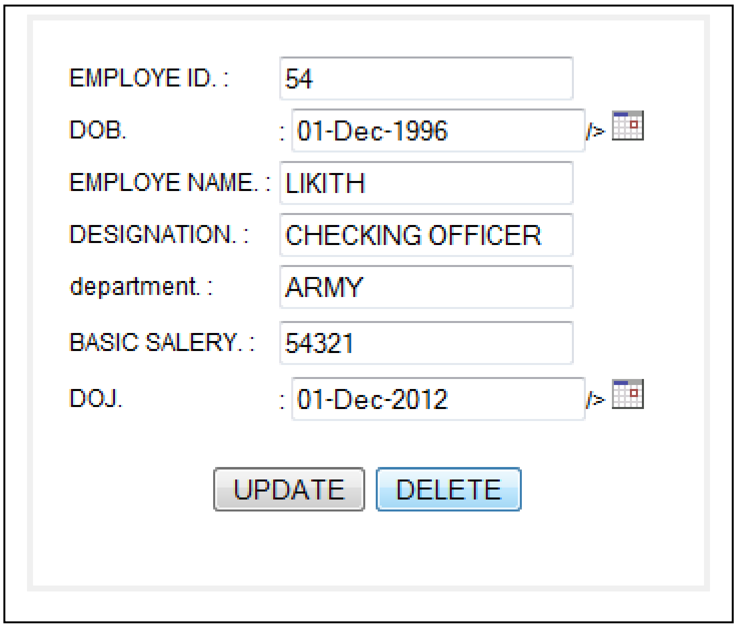


Message from webpage

Data Updated Successfully!!!!

Figure 31 Update data notification

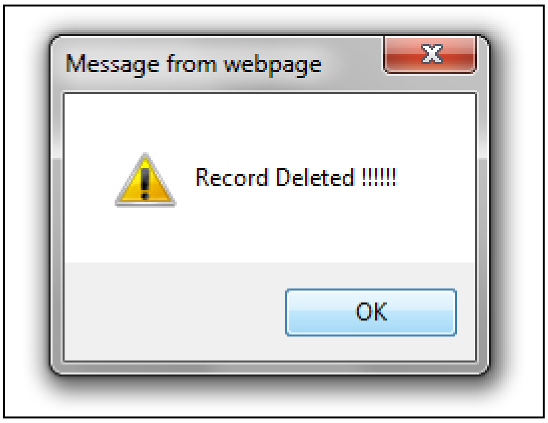
Delete data screenshot:



EMPLOYE ID. :	54
DOB.	: 01-Dec-1996 />
EMPLOYE NAME. :	LIKITH
DESIGNATION. :	CHECKING OFFICER
department. :	ARMY
BASIC SALERY. :	54321
DOJ.	: 01-Dec-2012 />

Figure 32 Delete data

Deleted data notification screenshot:

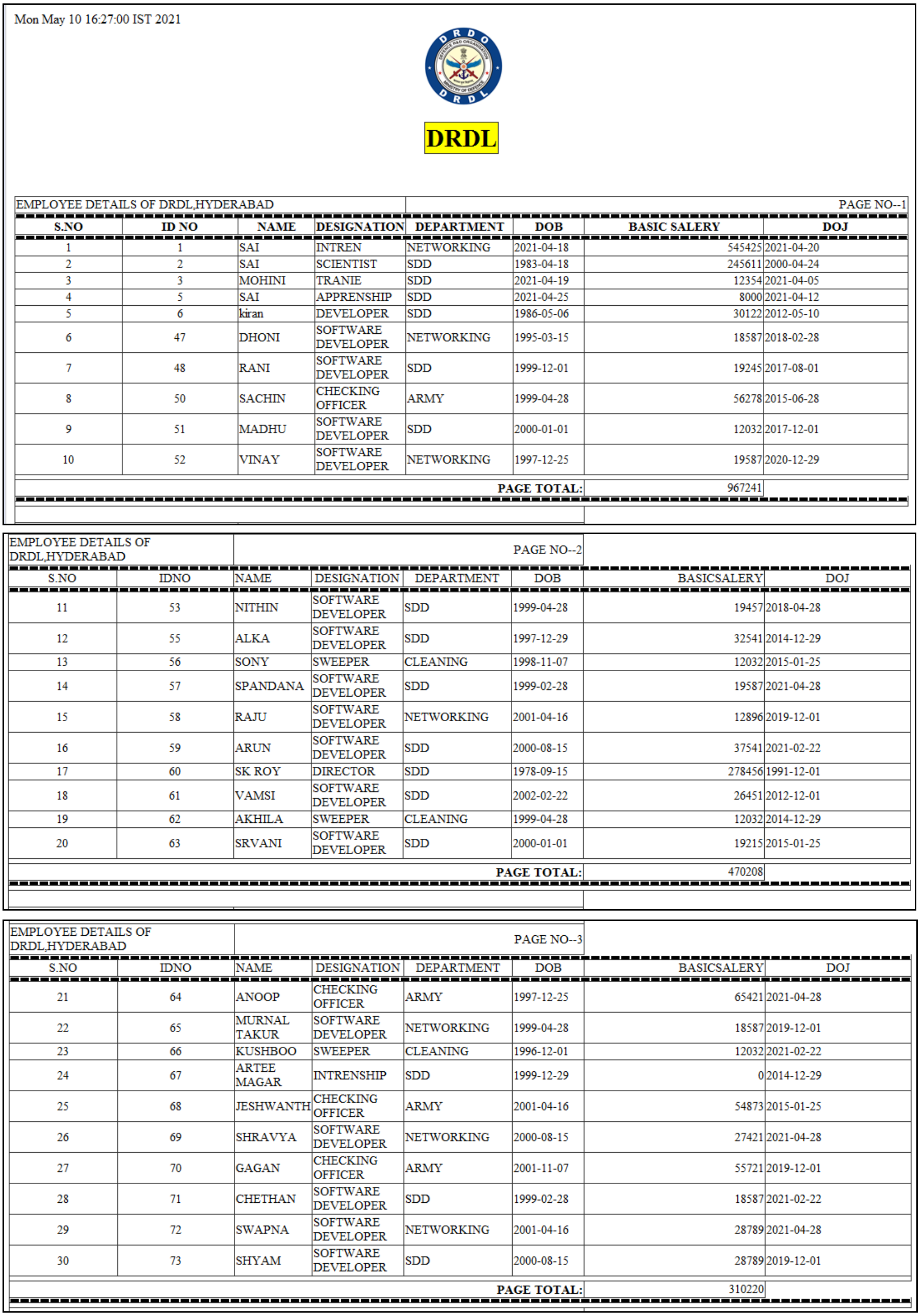


Message from webpage

Record Deleted !!!!!!

Figure 33 Deleted data notification

Report page screenshot:



Mon May 10 16:27:00 IST 2021

DRDL

EMPLOYEE DETAILS OF DRDL,HYDERABAD PAGE NO--1

S.NO	ID NO	NAME	DESIGNATION	DEPARTMENT	DOB	BASIC SALERY	DOJ
1	1	SAI	INTREN	NETWORKING	2021-04-18	545425	2021-04-20
2	2	SAI	SCIENTIST	SDD	1983-04-18	245611	2000-04-24
3	3	MOHINI	TRANIE	SDD	2021-04-19	12354	2021-04-05
4	5	SAI	APPRENSHIP	SDD	2021-04-25	8000	2021-04-12
5	6	kiran	DEVELOPER	SDD	1986-05-06	30122	2012-05-10
6	47	DHONI	SOFTWARE DEVELOPER	NETWORKING	1995-03-15	18587	2018-02-28
7	48	RANI	SOFTWARE DEVELOPER	SDD	1999-12-01	19245	2017-08-01
8	50	SACHIN	CHECKING OFFICER	ARMY	1999-04-28	56278	2015-06-28
9	51	MADHU	SOFTWARE DEVELOPER	SDD	2000-01-01	12032	2017-12-01
10	52	VINAY	SOFTWARE DEVELOPER	NETWORKING	1997-12-25	19587	2020-12-29
					PAGE TOTAL:	967241	

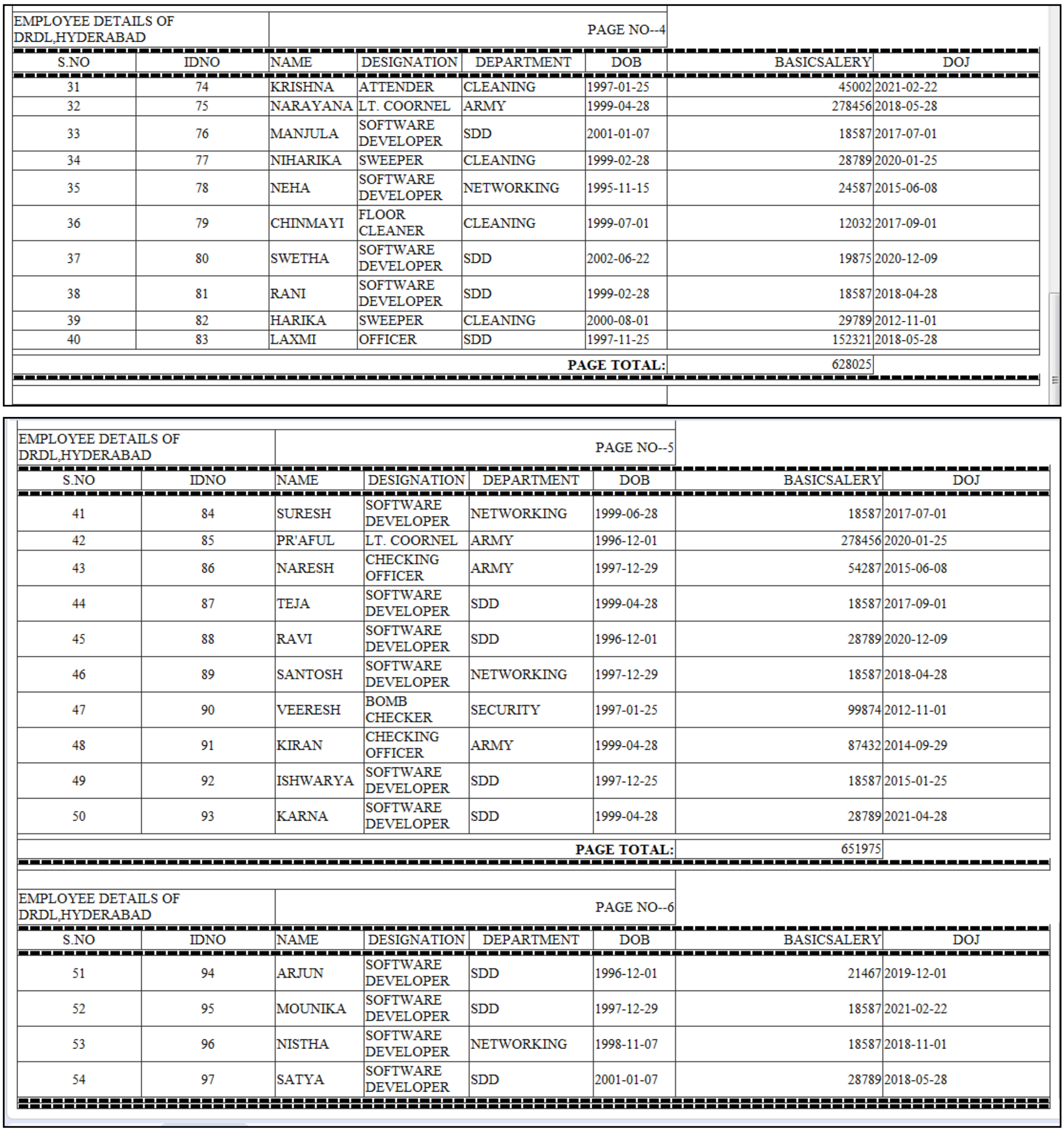
EMPLOYEE DETAILS OF DRDL,HYDERABAD PAGE NO--2

S.NO	IDNO	NAME	DESIGNATION	DEPARTMENT	DOB	BASICSALERY	DOJ
11	53	NITHIN	SOFTWARE DEVELOPER	SDD	1999-04-28	19457	2018-04-28
12	55	ALKA	SOFTWARE DEVELOPER	SDD	1997-12-29	32541	2014-12-29
13	56	SONY	SWEEPER	CLEANING	1998-11-07	12032	2015-01-25
14	57	SPANDANA	SOFTWARE DEVELOPER	SDD	1999-02-28	19587	2021-04-28
15	58	RAJU	SOFTWARE DEVELOPER	NETWORKING	2001-04-16	12896	2019-12-01
16	59	ARUN	SOFTWARE DEVELOPER	SDD	2000-08-15	37541	2021-02-22
17	60	SK ROY	DIRECTOR	SDD	1978-09-15	278456	1991-12-01
18	61	VAMSI	SOFTWARE DEVELOPER	SDD	2002-02-22	26451	2012-12-01
19	62	AKHILA	SWEEPER	CLEANING	1999-04-28	12032	2014-12-29
20	63	SRVANI	SOFTWARE DEVELOPER	SDD	2000-01-01	19215	2015-01-25
					PAGE TOTAL:	470208	

EMPLOYEE DETAILS OF DRDL,HYDERABAD PAGE NO--3

S.NO	IDNO	NAME	DESIGNATION	DEPARTMENT	DOB	BASICSALERY	DOJ
21	64	ANOOP	CHECKING OFFICER	ARMY	1997-12-25	65421	2021-04-28
22	65	MURNAL TAKUR	SOFTWARE DEVELOPER	NETWORKING	1999-04-28	18587	2019-12-01
23	66	KUSHBOO	SWEEPER	CLEANING	1996-12-01	12032	2021-02-22
24	67	ARTEE MAGAR	INTRENSHIP	SDD	1999-12-29	0	2014-12-29
25	68	JESHWANTH	CHECKING OFFICER	ARMY	2001-04-16	54873	2015-01-25
26	69	SHRAVYA	SOFTWARE DEVELOPER	NETWORKING	2000-08-15	27421	2021-04-28
27	70	GAGAN	CHECKING OFFICER	ARMY	2001-11-07	55721	2019-12-01
28	71	CHETHAN	SOFTWARE DEVELOPER	SDD	1999-02-28	18587	2021-02-22
29	72	SWAPNA	SOFTWARE DEVELOPER	NETWORKING	2001-04-16	28789	2021-04-28
30	73	SHYAM	SOFTWARE DEVELOPER	SDD	2000-08-15	28789	2019-12-01
					PAGE TOTAL:	310220	

Figure 34 Report



EMPLOYEE DETAILS OF DRDL,HYDERABAD

PAGE NO--4

S.NO	IDNO	NAME	DESIGNATION	DEPARTMENT	DOB	BASICSALERY	DOJ
31	74	KRISHNA	ATTENDER	CLEANING	1997-01-25	45002	2021-02-22
32	75	NARAYANA	LT. COORNEL	ARMY	1999-04-28	278456	2018-05-28
33	76	MANJULA	SOFTWARE DEVELOPER	SDD	2001-01-07	18587	2017-07-01
34	77	NIHARIKA	SWEEPER	CLEANING	1999-02-28	28789	2020-01-25
35	78	NEHA	SOFTWARE DEVELOPER	NETWORKING	1995-11-15	24587	2015-06-08
36	79	CHINMAYI	FLOOR CLEANER	CLEANING	1999-07-01	12032	2017-09-01
37	80	SWETHA	SOFTWARE DEVELOPER	SDD	2002-06-22	19875	2020-12-09
38	81	RANI	SOFTWARE DEVELOPER	SDD	1999-02-28	18587	2018-04-28
39	82	HARIKA	SWEEPER	CLEANING	2000-08-01	29789	2012-11-01
40	83	LAXMI	OFFICER	SDD	1997-11-25	152321	2018-05-28
					PAGE TOTAL:	628025	

EMPLOYEE DETAILS OF DRDL,HYDERABAD

PAGE NO--5

S.NO	IDNO	NAME	DESIGNATION	DEPARTMENT	DOB	BASICSALERY	DOJ
41	84	SURESH	SOFTWARE DEVELOPER	NETWORKING	1999-06-28	18587	2017-07-01
42	85	PR'AFUL	LT. COORNEL	ARMY	1996-12-01	278456	2020-01-25
43	86	NARESH	CHECKING OFFICER	ARMY	1997-12-29	54287	2015-06-08
44	87	TEJA	SOFTWARE DEVELOPER	SDD	1999-04-28	18587	2017-09-01
45	88	RAVI	SOFTWARE DEVELOPER	SDD	1996-12-01	28789	2020-12-09
46	89	SANTOSH	SOFTWARE DEVELOPER	NETWORKING	1997-12-29	18587	2018-04-28
47	90	VEERESH	BOMB CHECKER	SECURITY	1997-01-25	99874	2012-11-01
48	91	KIRAN	CHECKING OFFICER	ARMY	1999-04-28	87432	2014-09-29
49	92	ISHWARYA	SOFTWARE DEVELOPER	SDD	1997-12-25	18587	2015-01-25
50	93	KARNA	SOFTWARE DEVELOPER	SDD	1999-04-28	28789	2021-04-28
					PAGE TOTAL:	651975	

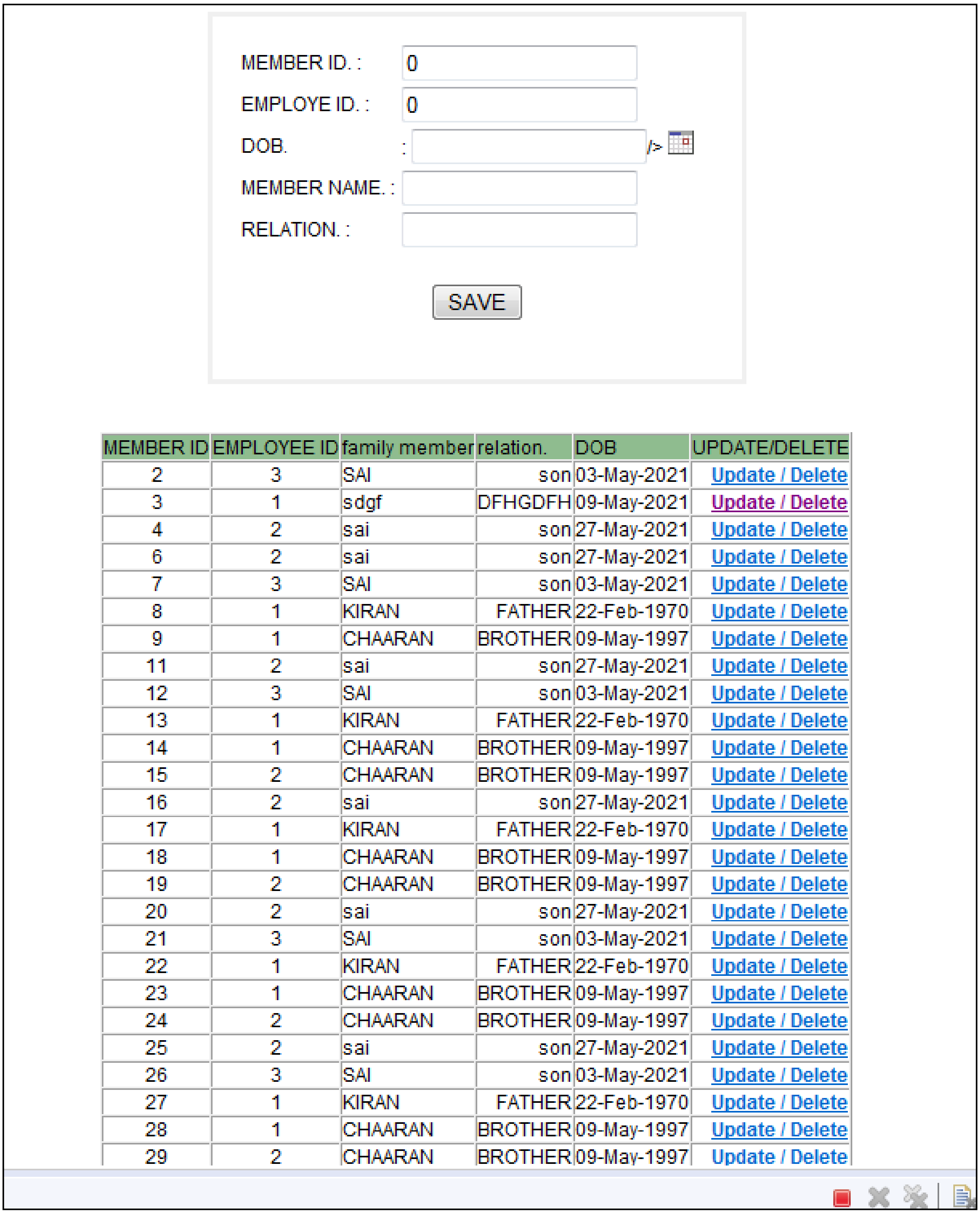
EMPLOYEE DETAILS OF DRDL,HYDERABAD

PAGE NO--6

S.NO	IDNO	NAME	DESIGNATION	DEPARTMENT	DOB	BASICSALERY	DOJ
51	94	ARJUN	SOFTWARE DEVELOPER	SDD	1996-12-01	21467	2019-12-01
52	95	MOUNIKA	SOFTWARE DEVELOPER	SDD	1997-12-29	18587	2021-02-22
53	96	NISTHA	SOFTWARE DEVELOPER	NETWORKING	1998-11-07	18587	2018-11-01
54	97	SATYA	SOFTWARE DEVELOPER	SDD	2001-01-07	28789	2018-05-28

Figure 35 Report

Insert\update\delete screenshot of Dependent data:



MEMBER ID. : 0

EMPLOYE ID. : 0

DOB. : />

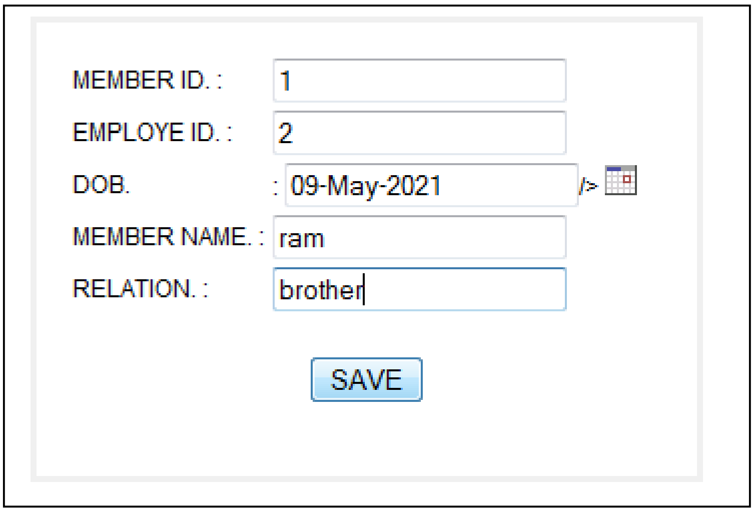
MEMBER NAME. :

RELATION. :

MEMBER ID	EMPLOYEE ID	family member	relation.	DOB	UPDATE/DELETE
2	3	SAI	son	03-May-2021	Update / Delete
3	1	sdgf	DFHGDFH	09-May-2021	Update / Delete
4	2	sai	son	27-May-2021	Update / Delete
6	2	sai	son	27-May-2021	Update / Delete
7	3	SAI	son	03-May-2021	Update / Delete
8	1	KIRAN	FATHER	22-Feb-1970	Update / Delete
9	1	CHAARAN	BROTHER	09-May-1997	Update / Delete
11	2	sai	son	27-May-2021	Update / Delete
12	3	SAI	son	03-May-2021	Update / Delete
13	1	KIRAN	FATHER	22-Feb-1970	Update / Delete
14	1	CHAARAN	BROTHER	09-May-1997	Update / Delete
15	2	CHAARAN	BROTHER	09-May-1997	Update / Delete
16	2	sai	son	27-May-2021	Update / Delete
17	1	KIRAN	FATHER	22-Feb-1970	Update / Delete
18	1	CHAARAN	BROTHER	09-May-1997	Update / Delete
19	2	CHAARAN	BROTHER	09-May-1997	Update / Delete
20	2	sai	son	27-May-2021	Update / Delete
21	3	SAI	son	03-May-2021	Update / Delete
22	1	KIRAN	FATHER	22-Feb-1970	Update / Delete
23	1	CHAARAN	BROTHER	09-May-1997	Update / Delete
24	2	CHAARAN	BROTHER	09-May-1997	Update / Delete
25	2	sai	son	27-May-2021	Update / Delete
26	3	SAI	son	03-May-2021	Update / Delete
27	1	KIRAN	FATHER	22-Feb-1970	Update / Delete
28	1	CHAARAN	BROTHER	09-May-1997	Update / Delete
29	2	CHAARAN	BROTHER	09-May-1997	Update / Delete

Figure 36 Insert\update\delete data of Dependent:

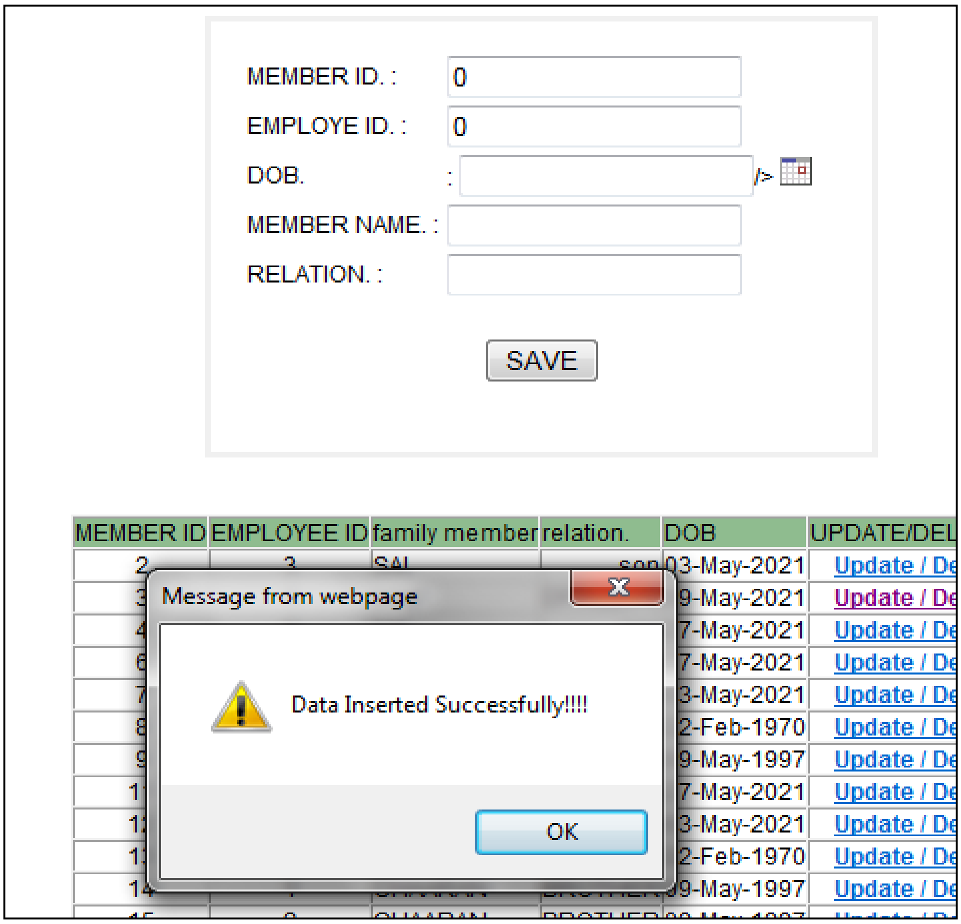
Insert into Dependent screenshot:



MEMBER ID. :	1
EMPLOYE ID. :	2
DOB.	: 09-May-2021 />
MEMBER NAME. :	ram
RELATION. :	brother

Figure 37 Insert into Dependent

Inserted into Dependent notification screenshot:



MEMBER ID. :	0
EMPLOYE ID. :	0
DOB.	: />
MEMBER NAME. :	
RELATION. :	

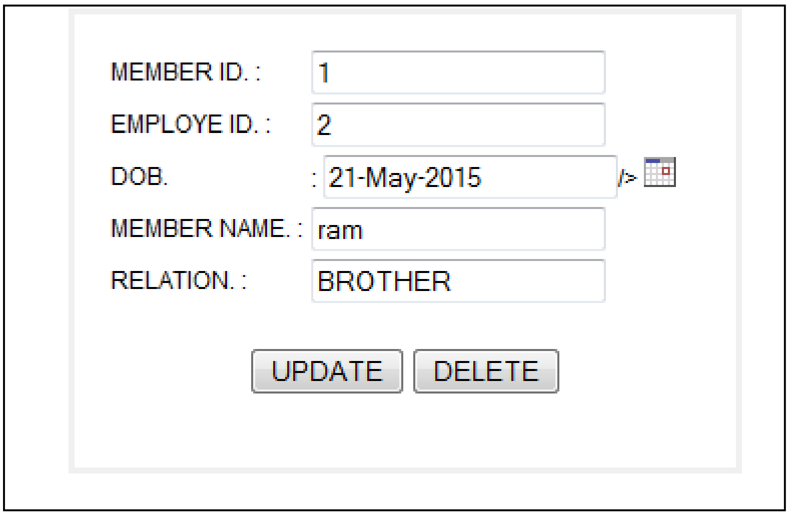
MEMBER ID	EMPLOYEE ID	family member	relation.	DOB	UPDATE/DEL
2	3	SAI	son	03-May-2021	Update / De
3				9-May-2021	Update / De
4				7-May-2021	Update / De
6				7-May-2021	Update / De
7				3-May-2021	Update / De
8				2-Feb-1970	Update / De
9				9-May-1997	Update / De
1				7-May-2021	Update / De
1				3-May-2021	Update / De
1				2-Feb-1970	Update / De
14				09-May-1997	Update / De

Message from webpage

Data Inserted Successfully!!!!

Figure 38 Inserted into Dependent notification

Update into Dependent screenshot:



MEMBER ID. : 1

EMPLOYE ID. : 2

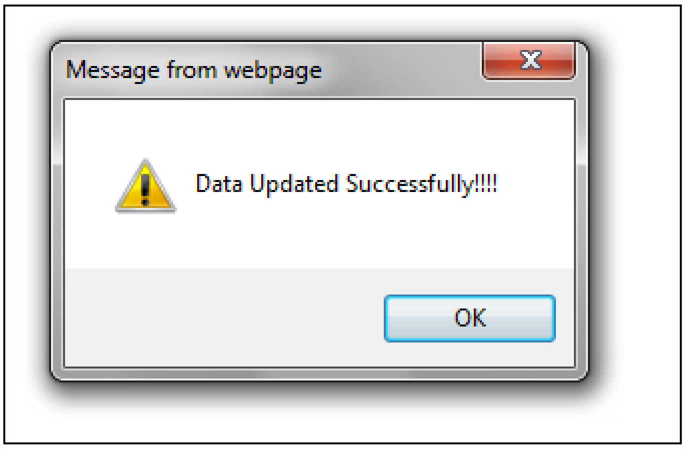
DOB. : 21-May-2015 />

MEMBER NAME. : ram

RELATION. : BROTHER

Figure 39 Update into Dependent

Updated into Dependent notification screenshot:

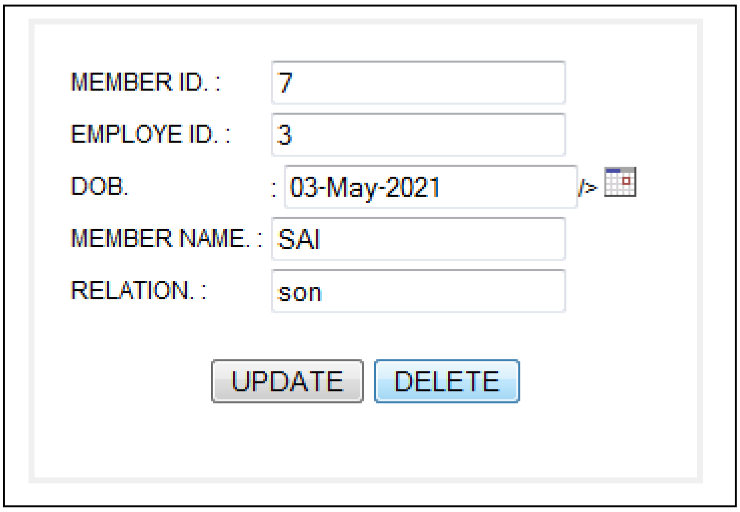


Message from webpage

Data Updated Successfully!!!!

Figure 40 Updated into Dependent notification

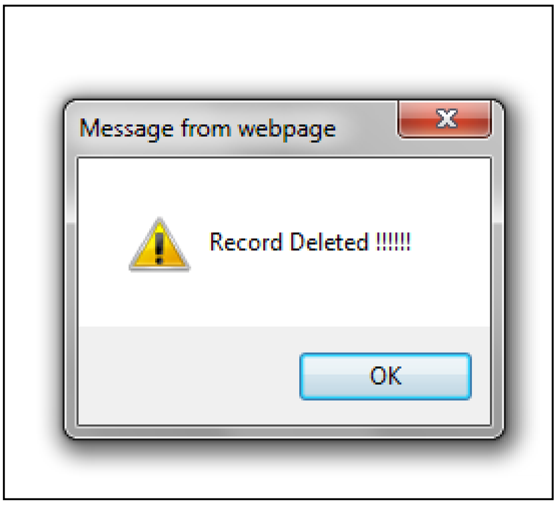
Delete from Dependent screenshot:



MEMBER ID. :	7
EMPLOYE ID. :	3
DOB. :	03-May-2021
MEMBER NAME. :	SAI
RELATION. :	son

Figure 41 Delete from Dependent

Deleted from Dependent notification screenshot:



Message from webpage

Record Deleted !!!!!!

Figure 42 Deleted from Dependent notification

CONCLUSION

This application is designed to make the user task easier. User can do any operations on the tables. This program will help user to insert, update, delete from employee table and family table and view report of tables.

FUTURE SCOPE

In future I can design and add more features using advanced technologies and graphics, so that user can have clear idea on employee management system.

APPENDIX A
USED HEADER FILES

java.sql.*

java.util.*

APPENDIX B
SAMPLE CODE

Login.jsp

```
<%@pageimport="java.sql.PreparedStatement"%>
<%@pageimport="java.sql.*"%>
<%@pagelanguage="java"import="java.util.*, java.text.*"pageEncoding="ISO-8859-1"%>
<%@pageimport="java.util.Date"%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>employee login page</title>
<script>
function save()
{
        var a=document.user.username.value;
        var b=document.user.password.value;
        //var date=document.user.password_change_date.value;
if(a=="")
    {
        alert("Please Select User Name");
        returnfalse;
    }
if(b=="")
    {
        alert("Please Select Password");
        returnfalse;
    }
//window.location="change.jsp?username="+a ;
 }
</script>
</head>
<body>
<%
SimpleDateFormat sdf = newSimpleDateFormat("dd-MMM-yyyy");
boolean login=false;
String username ="",d1="";
if(request.getParameter("username") !=null)
{
        username= request.getParameter("username");//request.get perameter("username");
        String password =request.getParameter("password");
        //
        String passdt="";
        try
        {
                //String q="select * from EMPLOYEE_LOGINPAGE where USERNAME='"+username+"'";
                Connection conn=null;
                Class.forName("oracle.jdbc.driver.OracleDriver");

        conn=DriverManager.getConnection("jdbc:oracle:thin:@10.66.50.3:1521:orcl","u_pay","u_pay");
                if(conn==null)
                {
                        out.println("connection not got established"+conn);
```

```
            //System.out.println("connection got established"+conn);
        }
        else
        {
            //out.println("connection got established"+conn);
            System.out.println("user name got established"+username);
            //System.out.println(q);
            Statement stmt=conn.createStatement();
            String q="select count(*) count from EMPLOYEE_LOGINPAGE where
USERNAME='"+username+"' and PASSWORD='"+password+"'";
            //System.out.println(q);
            ResultSet rs=stmt.executeQuery(q);
            //ResultSet rs=P.executeQuery();
            int count=0;

            while(rs.next())
            {
                count=rs.getInt("count");
            }
            if(count>=1)
            {

            String Q1="select to_char(add_months(password_change_date,3),'dd-Mon-yyyy')
change_Date,to_char(sysdate,'dd-Mon-yyyy') dt1 from EMPLOYEE_LOGINPAGE where
USERNAME='"+username+"' and PASSWORD='"+password+"' ";
            System.out.println(Q1);
            Statement stmt1=conn.createStatement();
            ResultSet rs1=stmt1.executeQuery(Q1);
            while(rs1.next()){
                //System.out.println("inside while");
                //passdt=rs1.getString("change_Date");
                passdt=rs1.getString("change_Date");
                d1=rs1.getString("dt1");
            }
            //System.out.println("password created date"+passdt);
            java.util.Date d2=newjava.util.Date(d1);
            java.util.Date d3=newjava.util.Date(passdt);

            System.out.println(d2+"dddddddd"+d3);

            //System.out.println("@@@@@@@@@@@@@@@@2");



                if(d2.equals(d3) || d2.after(d3) )
                {
                    out.println("<script>alert('Please change your password due to
security reasons'); window.location='change.jsp';</script>");
                    //out.println("<script>alert('Please change your password due to
security reasons'); window.location='change.jsp');</script>");

    //out.println("<script>alert(response.sendRedirect('change.jsp');</script>");
                    //<script>alert(response.sendRedirect('change.jsp');</script>
                    //response.sendRedirect("change.jsp");
                }
                else{
                login=true;
                response.sendRedirect("menu.jsp");}
            }
            else
```

```
                                        {
                                                login =false;
                                                out.println("<script>alert('please enter a valid data');</script>");
                                        }
                                        /*if(password.equals(rs.getString("PASSWORD"))){
                                                login=true;
                                                response.sendRedirect("employee1.jsp");
                                        }else{
                                                login=false;
                                        }*/
                                        conn.close();
                                }
                }
                catch(Exception e)
                {
                                out.println("somthing went wrong!!please try again"+e);
                }
}
if(login)
{%>
                <fontcolor=redsize="5px"><%=username%></font>
                <!--  login=true;
                response.sendRedirect("EMPLOYE.JSP"); -->
<%
}
else
{
                %>
                <formname="user"action="index.jsp">
                <h1align="center"> LOGIN PAGE </h1>
                <tableborder="4"align="center">
                <tr><tdSTYLE="color:red">USERNAME</td>
                <td><inputtype="text"name="username"id="username"></td></tr>
                <tr><tdSTYLE="color:red">PASSWORD</td>
                <td><inputtype="password"name="password"id="password"></td></tr>
                <tr>
                <td><inputtype="submit"name="login"id="login"value="login"onclick="save()"></td></tr>
                <tr>
                <tdcolspan="2"align="center"STYLE="color:red"><ahref="change.jsp?">CHANGE
PASSWORD</a></td></tr>
                </table>
                <%
}
%>
</body>
</form>
</html>
```

Change_Password.jsp

```
<%@pagelanguage="java"contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@pageimport="java.sql.*"%>
<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<script>
```

```
function update()
{
            var a=document.user.oldpassword.value;
            var b=document.user.newpassword.value;
            var c=document.user.conformpassword.value;
            var d=document.user.username.value;
if(a=="")
    {
            alert("Please Select old password");
            returnfalse;
    }
if(b=="")
    {
            alert("Please Select new Password");
            returnfalse;
     }
if(c=="")
    {
            alert("Please Select conform Password");
            returnfalse;
    }
if(d=="")
    {
            alert("Please Select username");
            returnfalse;
    }

window.location="change.jsp?olpassword="+a+"&newpassword="+b+"&conformpassword="+c+"&username
="+d;
 }
</script>
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>Change Password</title>
</head>
<body>
<%
try
{
            Connection conn=null;
            Class.forName("oracle.jdbc.driver.OracleDriver");
            conn=DriverManager.getConnection("jdbc:oracle:thin:@10.66.50.3:1521:orcl","u_pay","u_pay");
            String username =request.getParameter("username");
            //out.println(username);
            Statement st=conn.createStatement();
            int count=0;
            String olpassword =request.getParameter("olpassword");
            String newpassword =request.getParameter("newpassword");
            String conformpassword =request.getParameter("conformpassword");
            if(olpassword!=null)
            {
                        String sql ="update EMPLOYEE_LOGINPAGE set password='"+newpassword+"' where
username='"+username+"'and password='"+olpassword+"'" ;
                        count=st.executeUpdate(sql);
                        if(count > 0)
                        {
                                    %>
                                    <script>
                                    alert("Data Updated successfully!!");
                                    window.location="index.jsp";
                                    </script><%
```

```
                    }
        }
        %>
        <formname="user">
        <h1style="color:black" align="center"> CHANGE PASSWORD PAGE </h1>
        <tableBORDER="4"width="50%"align="center">
        <tr><tdSTYLE="color:red">USERNAME</td>
        <td><inputtype="text"name="username"id="username"></td></tr>
        <tr><tdSTYLE="color:red">OLDPASSWORD</td>
        <td><inputtype="password"name="oldpassword"id="oldpassword"></td></tr>
        <tr><tdSTYLE="color:red">NEWPASSWORD</td>
        <td><inputtype="password"name="newpassword"id="newpassword"></td></tr>
        <tr><tdSTYLE="color:red">CONFORMPASSWORD</td>
        <td><inputtype="password"name="conformpassword"id="conformpassword"></td></tr>
        <tr>
        <tdcolspan="2"align="center"><inputtype="button"name="enter"id="enter"value="Enter"onclick="update()"></td></tr>
        </table>
        <%
}
catch(Exception e)
{
        e.printStackTrace();
}
%>
</form>
</body>
</html>
```

Employee.jsp(to insert update delete)

```
<%@pageimport="java.sql.PreparedStatement"%>
<%//@page import="com.mysql.jdbc.PreparedStatement"%>
<%@pagelanguage="java"contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@pageimport="java.sql.*"%>
<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<LINKREL="stylesheet"type="text/css"href="calendar/STYLE.CSS"/>
<scripttype="text/javascript"src="calendar/calendar1.js"></script>
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>employee details</title>
<script>
function onlyNumberKey(evt)
{
var ASCIICode =(evt.which) ? evt.which : evt.keyCode
if(ASCIICode > 31 && (ASCIICode <48 || ASCIICode > 57))
returnfalse;
returntrue;
}
//function ChangeUpperCase(){
        //var name=document.getElementById("name").value.toUpperCase();
        //alert(name);
        //document.getElementById("name").value=name;
        //if(x.value.toUpperCase()){
        //alert("please insert upper letter");onkeyup.ChangeUpperCase()
        //return false;
        //}
function insert()
{
        var value="insert;"
        var employe_id=document.getElementById("employe_id").value;
        var employe_name=document.getElementById("employe_name").value;
        var designation=document.getElementById("designation").value;
        var basic_salery=document.getElementById("basic_salery").value;
        var dob=document.getElementById("dob").value;
        var department=document.getElementById("department").value;
        var doj=document.getElementById("doj").value;
        if(employe_id==null||employe_id=="")
        {
        alert("Please Select Sanction Letter NO.");
        returnfalse;
     }
if(employe_name==null||employe_name=="")
     {
                alert("Please Select Sanction Date ");
                returnfalse;
     }
if(designation==null||designation=="")
     {
        alert("Please Select Sanctioned Amt.");
        returnfalse;
     }
if(department==null||department=="")
     {
alert("Please Select department.");
returnfalse;
     }
if(basic_salery==null||basic_salery=="")
     {
        alert("Please Select code Head");
        returnfalse;
     }
if(dob==null||dob=="")
     {
alert("Please Select code Head");
returnfalse;
     }
     document.form1.action="EMPLOYE.jsp?val="+value+"&idnum="+employe_id;
form1.submit();
}

function up(x)
{
        alert("sssss");

                var employe_id_old=document.getElementById("employe_id_old").value;
                alert(employe_id_old);
                var employe_name_old=document.getElementById("employe_name_old").value;
                alert(employe_name_old);
                var designation_old=document.getElementById("designation_old").value;
                alert(designation_old);
                var department_old=document.getElementById("department_old").value;
                alert("yyyyyyyyy"+department_old);
                var basic_salery_old=document.getElementById("basic_salery_old").value;
                var dob_old=document.getElementById("dob_old").value;
```

```
                    var doj_old=document.getElementById("doj_old").value;

                    alert(designation_old+"--------"+basic_salery_old);
                    //alert(x.value);
                    if(confirm("Do You Want To "+ x.value))
        {


            document.form1.action="update_delete.jsp?act="+x.value+"&employe_id_old="+encodeURICompon
ent(employe_id_old)+

            "&employe_name_old="+employe_name_old+"&designation_old="+designation_old+"&basic_salery
_old="+basic_salery_old+

            "&dob_old="+dob_old+"&department_old="+department_old+"&doj_old="+doj_old;
form1.submit();
       }
                    else
                    {
                              return;
                    }
}
</script>
</head>
<body>
<body>
<formname="form1"method="post">
<% String project=(String)session.getAttribute("projectlist");
Connection con=null;
PreparedStatement pst1=null,pst2=null;
Statement st3=null,st=null,st1=null,st4=null;
ResultSet rs3=null,rs=null,rs1=null,rs4=null;
int count1=0,count2=0,sno=1,count=0,sanc_amt_up=0,basic_salery_up=0;
String employe_id_up="",employe_name_up="",designation_up="",department_up="",dob_up="",doj_up="";
try
{

          Class.forName("oracle.jdbc.driver.OracleDriver");
          con=DriverManager.getConnection("jdbc:oracle:thin:@10.66.50.3:1521:orcl","u_pay","u_pay");
   st3=con.createStatement();
st=con.createStatement();
   st1=con.createStatement();
   String action=request.getParameter("act");
if(action!=null&& action != "")
   {
           employe_id_up=request.getParameter("employe_id");
           employe_name_up=request.getParameter("employe_name");
           designation_up=request.getParameter("designation");
           department_up=request.getParameter("department");
       basic_salery_up=Integer.parseInt(request.getParameter("basic_salery"));
           dob_up=request.getParameter("dob");
           doj_up=request.getParameter("doj");
          //session.setAttribute("emp_type_sessn",emp_type);
//session.setAttribue("sanc_ltno_old",sanc_ltno_up);
//session.setAttribue("sanc_dt_old",sanc_dt_up);
   }
%>
          <imgsrc="DRDLLogo.gif"align="right"width='95'height='95'alt="DRDL LOGO">
<inputtype="hidden"name="employe_id_old"id="employe_id_old"value="<%=employe_id_up%>">
<inputtype="hidden"name="employe_name_old"id="employe_name_old"value="<%=employe_name_up%>">
```

```
<inputtype="hidden"name="designation_old"id="designation_old"value="<%=designation_up%>">
<inputtype="hidden"name="department_old"id="department_old"value="<%=department_up%>">
<inputtype="hidden"name="basic_salery_old"id="basic_salery_old"value="<%=basic_salery_up%>">
<inputtype="hidden"name="dob_old"id="dob_old"value="<%=dob_up%>">
<inputtype="hidden"name="doj_old"id="doj_old"value="<%=doj_up%>">
<tablealign="center"style="padding: 15px;border-style:solid;">
    <tr>
        <td>EMPLOYE ID. : </td>

    <td><inputtype="text"name="employe_id"id="employe_id"maxlength="50"value="<%=employe_id_u
p%>"></td>
        <tdwidth="2%"></td>
    </tr>
    <tr>
        <td>DOB.</td>
        <td> :

    <inputtype="text"name="dob"id="dob"maxlength="50"value="<%=dob_up%>"readonly/>
<imgsrc="calendar/calendar_sch.gif"name="showcal5"align="top"style="cursor:pointer"
onClick="show_Calendar('dob','dd-MM-yyyy','dob','');">
</td>
    </tr>
    <tr>
        <td>EMPLOYE NAME. : </td>
    <td><inputtype="text"name="employe_name"id="employe_name"maxlength="50"value="<%=emplo
ye_name_up%>"onkeyup.ChangeUpperCase()></td>
        <tdwidth="2%"></td>
    </tr>
    <tr>
        <td>DESIGNATION. : </td>

    <td><inputtype="text"name="designation"id="designation"maxlength="50"value="<%=designation_u
p%>"></td>
    <tdwidth="2%"></td>
    </tr>
    <tr>
        <td>department. : </td>

    <td><inputtype="text"name="department"id="department"maxlength="10"value="<%=department_u
p%>"></td>
        <tdwidth="2%"></td>
    </tr>
    <tr>
        <tr>
            <td>BASIC SALERY. : </td>

    <td><inputtype="text"name="basic_salery"id="basic_salery"maxlength="10"value="<%=basic_saler
y_up%>"></td>
            <tdwidth="2%"></td>
        </tr>
        <tr>
            <tr>
                <td>DOJ.</td>
                <td> :

    <inputtype="text"name="doj"id="doj"maxlength="50"value="<%=doj_up%>"readonly/>
    <imgsrc="calendar/calendar_sch.gif"name="showcal5"align="top"style="cursor:pointer"
onClick="show_Calendar('doj','dd-MM-yyyy','doj','','');">
</td>
            </tr>
```

```
                                <tdcolspan="5"style="height:60px" align="center">
<%if(action!=null&&action.equals("update"))
          {
        %>
        <inputtype="button"name="update"id="update"value="UPDATE"onclick="up(this)">
        <inputtype="button"name="delete"id="delete"value="DELETE"onclick="up(this)">
                        <%
                }
else
          {
        %>

        <inputtype="button"name="save"id="save"value="SAVE"onclick="insert()">
                        <%
                }
                %>
                                </td>
                </tr>
        </table><br><br>
        <tableborder="1"cellpadding="0"cellspacing="0"align="center">
<trstyle="background-color:darkseagreen">
        <td>EMPLOYEE ID</td>
<td>EMPLOYEE NAME</td>
<td>DESIG.</td>
<td> BASIC SAL.</td>
<td>DOB</td>
<td>department</td>
<td>DOJ</td>
<td>UPDATE/DELETE</td>
</tr>
<%
    String sql="select idno,name,designation,basicsalery,to_char(dob,'dd-Mon-yyyy')
dob,department,to_char(doj,'dd-Mon-yyyy') doj from employee_details08 order by idno asc";
System.out.println("sql---------->"+sql);
rs=st.executeQuery(sql);
while(rs.next())
    {

                %>
        <tr>
        <tdalign="center"><%=rs.getString("idno")%></td>
        <td><%=rs.getString("name")%></td>
        <tdalign="center"><%=rs.getString("designation")%></td>
        <tdalign="right"><%=rs.getInt("basicsalery")%></td>
        <td><%=rs.getString("dob")%></td>
        <tdalign="center"><%=rs.getString("department")%></td>
        <td><%=rs.getString("doj")%></td>
        <td>&emsp;<ahref="EMPLOYE.jsp?employe_id=<%=rs.getString(1)%>&employe_name=<%=rs.get
String(2)%>
        &act=update&designation=<%=rs.getString(3)%>&basic_salery=<%=rs.getInt(4)%>&dob=<%=rs.g
etString(5)%>
        &department=<%=rs.getString(6)%>&doj=<%=rs.getString(7)%>
        "><b>Update / Delete</b></a>

                </td>
</tr>
<%
    }
%>
</table>
```

```
<%
if(request.getParameter("val") != null)
    {
                //System.out.println("ssssssssss");
                String employe_id=request.getParameter("employe_id").trim();
                //          System.out.println(employe_id);
                String employe_name=request.getParameter("employe_name");
                //employe_name=employe_name.toUpperCase();
                String designation=request.getParameter("designation").trim();
                designation=designation.toUpperCase();
                int basic_salery=Integer.parseInt(request.getParameter("basic_salery"));
                String dob=request.getParameter("dob");
                String department=request.getParameter("department").trim();
                department=department.toUpperCase();

                String doj=request.getParameter("doj");


                System.out.println("employe_id----------->"+employe_id+"employe_name---------
>"+employe_name+"--designation-->"
                +designation+"--basic_salery-->"+basic_salery+"dob----------->"+dob+"department-----------
>"+department+"doj----------->"+doj);
                int cnt=0;
                String IDNO=request.getParameter("idnum");
                //if(IDNO==null) IDNO="";
                System.out.println("HAI");
                System.out.println(IDNO);

                String q="select count(*) count from employee_details08 where idno='"+IDNO+"'";
                System.out.println("hai"+q);

                st4=con.createStatement();
                rs4=st4.executeQuery(q);
                while(rs4.next())
                {
                        cnt=rs4.getInt("count");
                }
                if(cnt>=1)
                {
                        out.println("<script>alert('record already exists with given employee
id');window.location='EMPLOYE.jsp';</script>");
                }
                else
                {
                        String query1="insert into employee_details08 values(?,?,?,?,?,?,?)";
                        System.out.println("query1--------->"+query1);
                        pst1=con.prepareStatement(query1);
                        pst1.setString(1,employe_id);
                        pst1.setString(2,employe_name);
                        pst1.setString(3,designation);
                        pst1.setInt(4,basic_salery);
                        pst1.setString(5,dob);
                        pst1.setString(6,department);
                        pst1.setString(7,doj);

                        count1=pst1.executeUpdate();

                        if(count1 > 0)
                        {
                                %>
                        <script>
                        alert("Data Inserted Successfully!!!!");
                        document.form1.action="EMPLOYE.jsp";
                        form1.submit();
                        </script>
                                <%
                        }
                        else
                        {
                                %>
                        <script>
                        alert("Data Not  Inserted!!!!");
                          document.form1.action="EMPLOYE.jsp";
                        form1.submit();
                        </script>
                                <%
                        }
                }
  }
}
catch(Exception e)
{
        e.printStackTrace();
}
finally
{

        if(pst1!=null)pst1.close();
        if(con!=null)con.close();
        if(st!=null)st.close();
        if(st1!=null)st1.close();
        if(st3!=null)st3.close();
}
%>


</body>
</html>
```

Update_delete.jsp(to update delete)

```
<%@pagelanguage="java"contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@pageimport="java.sql.*"%>
<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<formname="form2"method="post">
<%
String project=(String)session.getAttribute("projectlist");
Connection con=null;
PreparedStatement pst1=null,pst2=null;
```

```
Statement st3=null,st=null,st1=null;
ResultSet rs3=null,rs=null,rs1=null;
int count1=0,count2=0,sno=1,count=0;
try
{
        Class.forName("oracle.jdbc.driver.OracleDriver");
        con=DriverManager.getConnection("jdbc:oracle:thin:@10.66.50.3:1521:orcl","u_pay","u_pay");
  st3=con.createStatement();
st=con.createStatement();
  st1=con.createStatement();
  String action=request.getParameter("act");
  String employe_id=request.getParameter("employe_id");
  String employe_name=request.getParameter("employe_name");
  String designation=request.getParameter("designation");
  String basic_salery=request.getParameter("basic_salery");
        String dob=request.getParameter("dob");
        String department=request.getParameter("department");
        String doj=request.getParameter("doj");
        String employe_id_old=request.getParameter("employe_id_old");
        String employe_name_old=request.getParameter("employe_name_old");
        String designation_old=request.getParameter("designation_old");
        String basic_salery_old=request.getParameter("basic_salery_old");
        String dob_old=request.getParameter("dob_old");
        String department_old=request.getParameter("department_old");
        String doj_old=request.getParameter("doj_old");
        System.out.println("employe_id_old------>"+employe_id_old+"------employe_name_old------
>"+employe_name_old);
        System.out.println("employe_id------>"+employe_id+"------employe_name------>"+employe_name+
                                                  "-----designation------>"+designation+"-------basic_salery-
----->"+basic_salery+
                                                          "------dob------>"+dob+"------department------
>"+department+"------doj------>"+doj);
        if(action.equals("DELETE"))
        {
        %>
<%
    String sql="delete from  employee_details08 where idno='"+employe_id+"' and name='"
    +employe_name.trim()+"'and designation='"+designation.trim()+"'   and  basicsalery='"+basic_salery+"'
and dob='"+dob+"'   and department='"+department.trim()+"'and doj='"+doj+"'";
System.out.println("sql------>"+sql);
count=st.executeUpdate(sql);
if(count > 0)
    {
%>
<script>
alert("Record Deleted !!!!!!");
        window.location="EMPLOYE.jsp";
</script>
<%
     }
   }
        elseif(action.equals("UPDATE"))
         {
        String query1="update employee_details08 set
idno=?,name=?,designation=?,basicsalery=?,dob=?,department=?,doj=? where idno="
    +employe_id_old.trim()+" and name='"+employe_name_old.trim()+"' and
designation='"+designation_old.trim()+"' and basicsalery="
    +basic_salery_old.trim()+" and dob='"+dob_old.trim()+"' and department='"+department_old.trim()+"' and
doj='"+doj_old.trim()+"'";
System.out.println("query1--------->"+query1);
        pst1=con.prepareStatement(query1);
pst1.setString(1,employe_id);
pst1.setString(2,employe_name);
pst1.setString(3,designation);
pst1.setString(4,basic_salery);
              pst1.setString(5,dob);
              pst1.setString(6,department);
              pst1.setString(7,doj);
        count1=pst1.executeUpdate();
              System.out.println(count1);
              if(count1 > 0)
              {
                            %>
              <script>
alert("Data Updated Successfully!!!!");
              window.location="EMPLOYE.jsp";
</script>
<%
        }
              else
              {
                            %>
              <script>
alert("Data Not  Updated!!!!");
            window.location="EMPLOYE.jsp";
</script>
<%
        }
              }
}
catch(Exception e)
{
              e.printStackTrace();

}
%>
finally
{
              con.close();
}

</form>
</body>
</html>
```

Family.jsp(to insert/update/delete family details)

```
<%@pageimport="java.sql.PreparedStatement"%>
<%//@page import="com.mysql.jdbc.PreparedStatement"%>
<%@pagelanguage="java"contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@pageimport="java.sql.*"%>
<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<LINKREL="stylesheet"type="text/css"href="calendar/STYLE.CSS"/>
<scripttype="text/javascript"src="calendar/calendar1.js"></script>
```

```
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>employee family details</title>
<script>
function onlyNumberKey(evt)
{
var ASCIICode =(evt.which) ? evt.which : evt.keyCode
if(ASCIICode > 31 && (ASCIICode <48 || ASCIICode > 57))
returnfalse;
returntrue;
}

function insert()
{
        var value="insert;"
        var employe_id=document.getElementById("employe_id").value;
        var member_id=document.getElementById("member_id").value;
        var member_name=document.getElementById("member_name").value;
        var relation=document.getElementById("relation").value;
        var dob=document.getElementById("dob").value;
        if(member_id==null||member_id=="")
        {
        alert("Please Select Sanction Letter NO.");
        returnfalse;
     }
        if(employe_id==null||employe_id=="")
        {
        alert("Please Select Sanction Letter NO.");
        returnfalse;
     }

if(member_name==null||member_name=="")
     {
                alert("Please Select Sanction name");
                returnfalse;
     }
if(relation==null||relation=="")
     {
        alert("Please Select Sanctioned relation.");
        returnfalse;
     }
if(dob==null||dob=="")
     {
alert("Please Select code Head");
returnfalse;
     }
     document.form1.action="family.jsp?val="+value+"&idnum1="+member_id;
form1.submit();
}

function up(x)
{
        alert("sssss");
        var member_id_old=document.getElementById("member_id_old").value;
                alert(member_id_old);
                var employe_id_old=document.getElementById("employe_id_old").value;
                alert(employe_id_old);

                var member_name_old=document.getElementById("member_name_old").value;
                alert(member_name_old);
                var relation_old=document.getElementById("relation_old").value;
                alert(relation_old);
                var dob_old=document.getElementById("dob_old").value;


                alert(employe_id_old+"--------"+dob_old);
                //alert(x.value);
                if(confirm("Do You Want To "+ x.value))
    {


        document.form1.action="family_update_delete.jsp?act="+x.value+"&employe_id_old="+encodeURIC
omponent(employe_id_old)+"&member_id_old="+member_id_old+

        "&member_name_old="+member_name_old+"&relation_old="+relation_old+"&dob_old="+dob_old;
form1.submit();
    }
                else
                {
                        return;
                }
}
</script>
</head>
<body>
<body>
<formname="form1"method="post">
<% String project=(String)session.getAttribute("projectlist");
Connection con=null;
PreparedStatement pst1=null,pst2=null;
Statement st3=null,st=null,st1=null,st4=null;
ResultSet rs3=null,rs=null,rs1=null,rs4=null;
int employe_id_up=0,member_id_up=0,count1=0,count2=0,sno=1,count=0,sanc_amt_up=0;
String member_name_up="",relation_up="",dob_up="";
try
{

        Class.forName("oracle.jdbc.driver.OracleDriver");
        con=DriverManager.getConnection("jdbc:oracle:thin:@10.66.50.3:1521:orcl","u_pay","u_pay");
   st3=con.createStatement();
st=con.createStatement();
   st1=con.createStatement();
System.out.println("act is"+request.getParameter("act"));
   String action=request.getParameter("act");
if(action!=null&& action != "")
   {
        String emp_id=request.getParameter("employe_id");
        System.out.println("ssssssssss"+request.getParameter("employe_id"));
          employe_id_up=Integer.parseInt(emp_id);
        System.out.println("ssssssssss"+request.getParameter("memeber_id"));
         String mid=request.getParameter("memeber_id");
         member_id_up=Integer.parseInt(mid);
        //System.out.println("ssssssssss");
          member_name_up=request.getParameter("member_name");
          relation_up=request.getParameter("relation");
          dob_up=request.getParameter("dob");
        //System.out.println("ssssssssss");
        //session.setAttribute("emp_type_sessn",emp_type);
//session.setAttribue("sanc_ltno_old",sanc_ltno_up);
//session.setAttribue("sanc_dt_old",sanc_dt_up);
   }
```

```
%>
<inputtype="hidden"name="member_id_old"id="member_id_old"value="<%=member_id_up%>">
<inputtype="hidden"name="employe_id_old"id="employe_id_old"value="<%=employe_id_up%>">
<inputtype="hidden"name="member_name_old"id="member_name_old"value="<%=member_name_up%>">
<inputtype="hidden"name="relation_old"id="relation_old"value="<%=relation_up%>">
<inputtype="hidden"name="dob_old"id="dob_old"value="<%=dob_up%>">
<tablealign="center"style="padding: 15px;border-style:solid;">
    <tr>
        <td>MEMBER ID. : </td>

    <td><inputtype="text"name="member_id"id="member_id"maxlength="50"value="<%=member_id_up%>"></td>
        <tdwidth="2%"></td>
    </tr>
    <tr>
        <td>EMPLOYE ID. : </td>

    <td><inputtype="text"name="employe_id"id="employe_id"maxlength="50"value="<%=employe_id_up%>"></td>
        <tdwidth="2%"></td>
    </tr>
    <tr>
        <td>DOB.</td>
        <td> :

    <inputtype="text"name="dob"id="dob"maxlength="50"value="<%=dob_up%>"readonly/>
<imgsrc="calendar/calendar_sch.gif"name="showcal5"align="top"style="cursor:pointer"
onClick="show_Calendar('dob','dd-MM-yyyy','dob','');">
</td>
    </tr>
    <tr>
        <td>MEMBER NAME. : </td>
    <td><inputtype="text"name="member_name"id="member_name"maxlength="50"value="<%=member_name_up%>"onkeyup.ChangeUpperCase()></td>
        <tdwidth="2%"></td>
    </tr>
    <tr>
        <td>RELATION. : </td>

    <td><inputtype="text"name="relation"id="relation"maxlength="50"value="<%=relation_up%>"></td>
    <tdwidth="2%"></td>
    </tr>

    </tr>

        <tr>

                <tdcolspan="5"style="height:60px" align="center">
<%if(action!=null&&action.equals("update"))
    {
    %>
    <inputtype="button"name="update"id="update"value="UPDATE"onclick="up(this)">
    <inputtype="button"name="delete"id="delete"value="DELETE"onclick="up(this)">
            <%
        }
else
    {
    %>
```

```
            <inputtype="button"name="save"id="save"value="SAVE"onclick="insert()">
                        <%
                }
                %>
                                    </td>
                </tr>
            </table><br><br>
            <tableborder="1"cellpadding="0"cellspacing="0"align="center">
<trstyle="background-color:darkseagreen">
            <td>MEMBER ID</td>
            <td>EMPLOYEE ID</td>
            <td>family member</td>
<td> relation.</td>
<td>DOB</td>
<td>UPDATE/DELETE</td>
</tr>
<%
     String sql="select midno,idno,name,relation,to_char(dob,'dd-Mon-yyyy') dob from family_table08 order by
midno asc";
System.out.println("sql---------->"+sql);
rs=st.executeQuery(sql);
while(rs.next())
     {

                %>
            <tr>
                <tdalign="center"><%=rs.getInt("midno")%></td>
            <tdalign="center"><%=rs.getInt("idno")%></td>
            <td><%=rs.getString("name")%></td>

            <tdalign="right"><%=rs.getString("relation")%></td>
            <td><%=rs.getString("dob")%></td>
            <td>&emsp;<ahref="family.jsp?employe_id=<%=rs.getInt("idno")%>&member_name=<%=rs.getStri
ng("name")%>&act=update&relation=<%=rs.getString("relation")%>&dob=<%=rs.getString("dob")%>&me
meber_id=<%=rs.getInt("midno")%>&act=update
                      "><b>Update / Delete</b></a>

                </td>
</tr>
<%
     }
%>
</table>
<%
if(request.getParameter("val") != null)
     {
                //System.out.println("sssssssssss");
                int member_id=Integer.parseInt(request.getParameter("member_id").trim());
                int employe_id=Integer.parseInt(request.getParameter("employe_id").trim());
                //          System.out.println(employe_id);
                String member_name=request.getParameter("member_name");
                //employe_name=employe_name.toUpperCase();
                String relation=request.getParameter("relation").trim();
                relation=relation.toUpperCase();
                String dob=request.getParameter("dob");

                System.out.println("member_id----------->"+member_id+"employe_id-----------
>"+employe_id+"employe_name--------->"+member_name+"--relation-->"+relation+"dob----------->"+dob);
                int cnt=0;
```

```
        String IDNO=request.getParameter("idnum1");
        //if(IDNO==null)IDNO="";
        System.out.println("HAI");
        System.out.println(IDNO);

        String q="select count(*) count from family_table08 where midno='"+IDNO+"'";
        System.out.println("hai"+q);

        st4=con.createStatement();
        rs4=st4.executeQuery(q);
        while(rs4.next())
        {
            cnt=rs4.getInt("count");
        }
        if(cnt>=1)
        {
            out.println("<script>alert('record already exists with given employee
id');window.location='family.jsp';</script>");
        }
        else
        {
            String query1="insert into family_table08 values(?,?,?,?,?)";
            System.out.println("query1--------->"+query1);
            pst1=con.prepareStatement(query1);
            pst1.setInt(5,member_id);
            pst1.setInt(1,employe_id);
            pst1.setString(2,member_name.trim());
            pst1.setString(3,relation);
            pst1.setString(4,dob);


            count1=pst1.executeUpdate();

            if(count1 > 0)
            {
                %>
            <script>
            alert("Data Inserted Successfully!!!!");
            document.form1.action="family.jsp";
            form1.submit();
            </script>
                <%
            }
            else
            {
                %>
            <script>
            alert("Data Not  Inserted!!!!");
              document.form1.action="family.jsp";
            form1.submit();
            </script>
                <%
            }
        }
  }
}
catch(Exception e)
{
    e.printStackTrace();
}
```

```
finally
{

            if(pst1!=null)pst1.close();
            if(con!=null)con.close();
            if(st!=null)st.close();
            if(st1!=null)st1.close();
            if(st3!=null)st3.close();
}
%>


</body>
</html>
```

Family_update_delete.jsp(to update delete)

```
<%@pagelanguage="java"contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@pageimport="java.sql.*"%>
<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<formname="form2"method="post">
<%
String project=(String)session.getAttribute("projectlist");
Connection con=null;
PreparedStatement pst1=null,pst2=null;
Statement st3=null,st=null,st1=null;
ResultSet rs3=null,rs=null,rs1=null;
int count1=0,count2=0,sno=1,count=0;
try
{
            Class.forName("oracle.jdbc.driver.OracleDriver");
            con=DriverManager.getConnection("jdbc:oracle:thin:@10.66.50.3:1521:orcl","u_pay","u_pay");
    st3=con.createStatement();
st=con.createStatement();
    st1=con.createStatement();
    String action=request.getParameter("act");
    String mid=request.getParameter("member_id");
int member_id=Integer.parseInt(mid);
//int member_id=request.getParameter("member_id");
    String emp_id=request.getParameter("employe_id");
int employe_id=Integer.parseInt(emp_id);
//int employe_id=request.getParameter("employe_id");
    String member_name=request.getParameter("member_name");
    String relation=request.getParameter("relation");
            String dob=request.getParameter("dob");
            //int employe_id=Integer.parseInt(emp_id);
            String member_id_old1=request.getParameter("member_id_old");
            int member_id_old=Integer.parseInt(member_id_old1);
            String employe_id_old1=request.getParameter("employe_id_old");
            int employe_id_old=Integer.parseInt(employe_id_old1);
            String member_name_old=request.getParameter("member_name_old");
```

```
        String relation_old=request.getParameter("relation_old");
        String dob_old=request.getParameter("dob_old");
        System.out.println("member_id_old------>"+member_id_old+"employe_id_old------
>"+employe_id_old+"------member_name_old------>"+member_name_old);
        System.out.println("member_id_old------>"+member_id_old+"employe_id------>"+employe_id+"------
member_name------>"+member_name+
                                                "-----relation----->"+relation+"------dob------>"+dob);
        if(action.equals("DELETE"))
        {
        %>
<%
    String sql="delete from  family_table08 where midno='"+member_id+"' and idno='"+employe_id+"' and
name='"
    +member_name.trim()+"'and relation='"+relation.trim()+"'and dob='"+dob.trim()+"'";
System.out.println("sql------>"+sql);
count=st.executeUpdate(sql);
if(count > 0)
    {
%>
<script>
alert("Record Deleted !!!!!!");
        window.location="family.jsp";
</script>
<%
     }
  }
        elseif(action.equals("UPDATE"))
         {
        String query1="update family_table08 set midno=?,idno=?,name=?,relation=?,dob=? where
midno="+member_id_old1.trim()+" and idno="
    +employe_id_old1.trim()+" and name='"+member_name_old.trim()+"' and
relation='"+relation_old.trim()+"' and dob='"+dob_old.trim()+"'";

System.out.println("query1--------->"+query1);
    pst1=con.prepareStatement(query1);
pst1.setInt(1,employe_id);
pst1.setInt(5,member_id);
pst1.setString(2,member_name);
pst1.setString(3,relation);
pst1.setString(4,dob);
        count1=pst1.executeUpdate();
        System.out.println(count1);
        if(count1 > 0)
        {
                %>
        <script>
alert("Data Updated Successfully!!!!");
        window.location="family.jsp";
</script>
<%
    }
        else
        {
                %>
        <script>
alert("Data Not  Updated!!!!");
       window.location="family.jsp";
</script>
<%
    }
		}
}
catch(Exception e)
{
		e.printStackTrace();

}
%>
finally
{
		con.close();
}

</form>
</body>
</html>
```

Report.jsp

```
<%@pagelanguage="java"contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@pageimport="java.util.Date"%>
<%@pageimport="java.sql.*,java.util.*"%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>employees report</title>
</head>
<body>

<%

java.util.Date d1= newjava.util.Date();
out.println(d1);
Connection con=null;
Statement st=null;
ResultSet rs=null;
ArrayList<Integer> pageTotals= new ArrayList<Integer>();
int count=1;
int MAX_LINES=10;
int i=1,pageno=1,row_count=0,page_total=0,grand_total=0;
String Remarks=null;
%>

<center>

<tablestyle="border-collapse:collapse; font-size:15px;  font-family:times new roman"
border="1"align="center"bordercolor="#333333"width="auto"bgcolor='yellow'>

		<tr>
				<imgsrc = "DRDLLogo.gif"align="middle"width='95'height='95'alt="DRDL LOGO">



		<H1><tdcolspan='8'align='center'class='officers1'background='BD14321_.GIF'height='3'font-color="
white"> DRDL</td></H1>
```

```
        </tr>
</table>

<tablestyle="border-collapse:collapse; font-size:15px; font-family:times new roman"
border="1"align="center"bordercolor="#333333"width="auto"bgcolor='white'>
        <tr>
                <tdcolspan='4'align='left'width='30%'class='officers1'>EMPLOYEE DETAILS OF
DRDL,HYDERABAD</td>
                <tdcolspan='5'align='right'width='30%'class='officers1'>PAGE NO--<%=pageno%></td>
        </tr>
        <tr>
                <tdcolspan='8'class='officers1'background='BD14514_.GIF'height='3'></td>
        </tr>
        <tralign="justify">
                <b>
                        <tdalign="center">S.NO</td>
                                <tdalign="center">ID NO</td>
                        <tdalign="center">NAME</td>
                        <tdalign="center">DESIGNATION</td>
                                <tdalign="center">DEPARTMENT</td>
                                <tdcolspan="1"align="center">DOB</td>
                                <tdcolspan="1"align="center">BASIC SALERY</td>
                                <tdcolspan="1"align="center">DOJ</td>
                        </b>
        </tr>
        <tr>
                <tdcolspan='8'class='officers1'background='BD14514_.GIF'height='3'></td>
        </tr>

                <%
                //out.println("DRDL");
                Class.forName("oracle.jdbc.driver.OracleDriver");

        con=DriverManager.getConnection("jdbc:oracle:thin:@10.66.50.3:1521:orcl","u_pay","u_pay");
                String sql="Select
IDNO,NAME,DESIGNATION,BASICSALERY,DOB,DEPARTMENT,DOJ from EMPLOYEE_DETAILS08
order by IDNO";
                System.out.println(sql);
                st=con.createStatement();
                rs=st.executeQuery(sql);
                while(rs.next())
                {
                        %>
                        <tr>

                                <tdalign="center"><%=count++%></td>
                                <tdalign="center"><%=rs.getInt(1)%></td>
                                <tdalign="left"><%=rs.getString(2)%></td>
                                <tdalign="left"><%=rs.getString(3)%></td>
                                <tdcolspan="1"align="left"><%=rs.getString(6)%></td>
                                <tdcolspan="1"align="left"><%=rs.getDate(5)%></td>
                                <tdcolspan="1"align="right"><%=rs.getInt(4)%></td>
                                <tdcolspan="1"align="left"><%=rs.getDate(7)%></td>
                        <!-- align="right" -->
                        </tr>
                        <%
                        // i++;
                row_count++;
                        page_total=page_total+rs.getInt(4);
                        //++pageno;
```

```
            //sout.print(row_count);

            if(row_count==MAX_LINES)
            {
                pageTotals.add(page_total);
                ++pageno;
                MAX_LINES=MAX_LINES+10;
                %>
                <trstyle='width: 40cm' >

    <tdcolspan='8'class='officers1'background='BD14321_.GIF'height='3'></td>
                </tr>

                <tr>

    <tdcolspan='6'align='right'width='20%'class='officers1'><b>PAGE TOTAL:</b></td>

    <tdwidth='20%'class='officers'align='right'><%=page_total%></td>
                </tr>
                <tr>

    <tdcolspan='8'class='officers1'background='BD14514_.GIF'height='3'></td>
                </tr>
                <tr>

    <tdcolspan='8'class='officers1'background='BD14321_.GIF'height='3'></td>
                </tr>
                <tr>
                    <tdcolspan='6'align="center">
                    <br/>
                    </td>
                </tr>
                <tr>
                <tdcolspan='2'align='left'width='25%'class='officers1'>EMPLOYEE
DETAILS OF  DRDL,HYDERABAD</td>
                <tdcolspan='4'align='right'width='25%'class='officers1'>PAGE NO--
<%=pageno%></td>
            </tr>
            <tr>

    <tdcolspan='8'class='officers1'background='BD14514_.GIF'height='3'></td>
            </tr>
            <tr>
            <!--<b>-->
                <tdalign="center">S.NO</td>
                    <tdalign="center">IDNO</td>
                <tdalign="left">NAME</td>
                <tdalign="center">DESIGNATION</td>
                <tdalign="center">DEPARTMENT</td>
                <tdcolspan="1"align="center">DOB</td>
                    <tdcolspan="1"align="right">BASICSALERY</td>

                    <tdcolspan="1"align="center">DOJ</td>
                    </b>
            </tr>
            <tr>

    <tdcolspan='8'class='officers1'background='BD14514_.GIF'height='3'></td>
            </tr>
```

```
                                        <%
                                        //int bs1=rs.getString(4);
                                        page_total=0;
                                 }
                          }
                          //int sss=page_total;
                          pageTotals.add(page_total);
                          %>
                          <trstyle='width: 32cm' >
                                 <tdcolspan='8'class='officers1'background='BD14514_.GIF'height='3'></td>
                          </tr>
                          <tr>

             <tdcolspan='8'class='officers1'background='BD14514_.GIF'height='3'></td>
                          </tr>
             <!--</table> -->
<center>

</center>
<br></br></br>
                          </table>
<%
if(con!=null)con.close();
if(st!=null)st.close();
%>
</center>
</body>
</html>
```

Menu.jsp

```
<%@pagelanguage="java"contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01
Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<metahttp-equiv="Content-Type"content="text/html; charset=ISO-8859-1">
<title>MENU PAGE</title>
</head>
<body>
<imgsrc="DRDLLogo.gif"align="right"width='95'height='95'alt="DRDL LOGO">
<h1align="center"> MENU PAGE</h1>
<tablestyle="border-collapse:collapse; font-size:20px; font-family:times new roman"
border="0"align="center"bordercolor="#333333"width="auto"bgcolor='white'>

<trcolspan="8"align="center">
             <td>
             <ahref="EMPLOYE.jsp"><h3style="color:red" >INSERTION/UPDATE/DELETE DATA</h3></a>
             </td>
</tr>
<tr>
             <tdcolspan="8"align="center">
             <ahref="reportcopy.jsp"><h3style="color:red" >REPORT PAGE</h3></a>
             </td>
</tr>

<tr>
             <tdcolspan="8"align="center">
             <ahref="family.jsp"><h3style="color:red" >FAMILY DATA</h3></a>
```

```
          </td>
</tr>

</table>

</body>
</html>
```

APPENDIX C
SOFTWARE AND HARDWARE REQUIREMENT

Hardware requirements

- RAM : 2GB
- Graphics card : Basic GPU
- Hard disk : 1GB free space (or above)
- Display resolution :1024*768 or higher.

Software requirements

- Operating system : windows 7 (or above)
- Processor : Intel Pentium
- Compiler : java
- IDE : Eclipse
- Language : Advance java