

# Human Resource Database Management System



Developed By

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# INTRODUCTION



Our project Human Resource Database Management System creates software that stores and manages all the data needed to describe the personal and their framework within an organization.

It has a database administration that has access to the entire database, in regards with viewing and update of information. The exclusive right is implemented using authorized access.

# OBJECTIVES OF PROPOSED SYSTEM

The Human Resource Database Management software is very user friendly and appealing. The Human objective of the system is to maintain and retrieve information about the entire personnel framework of the organizational system. The system is fairly simple in design and implementation. The main objectives of this system can be summarized as follows:

- Search for all employees, departments, dependent information . Also department-wise, employee based search enabled.
- Easy management of databases of various sections covering key aspects.

PROJECT  
REQUIREMENTS :



# SOFTWARE SPECIFICATION

Operating System: Windows

2000/XP/Vista

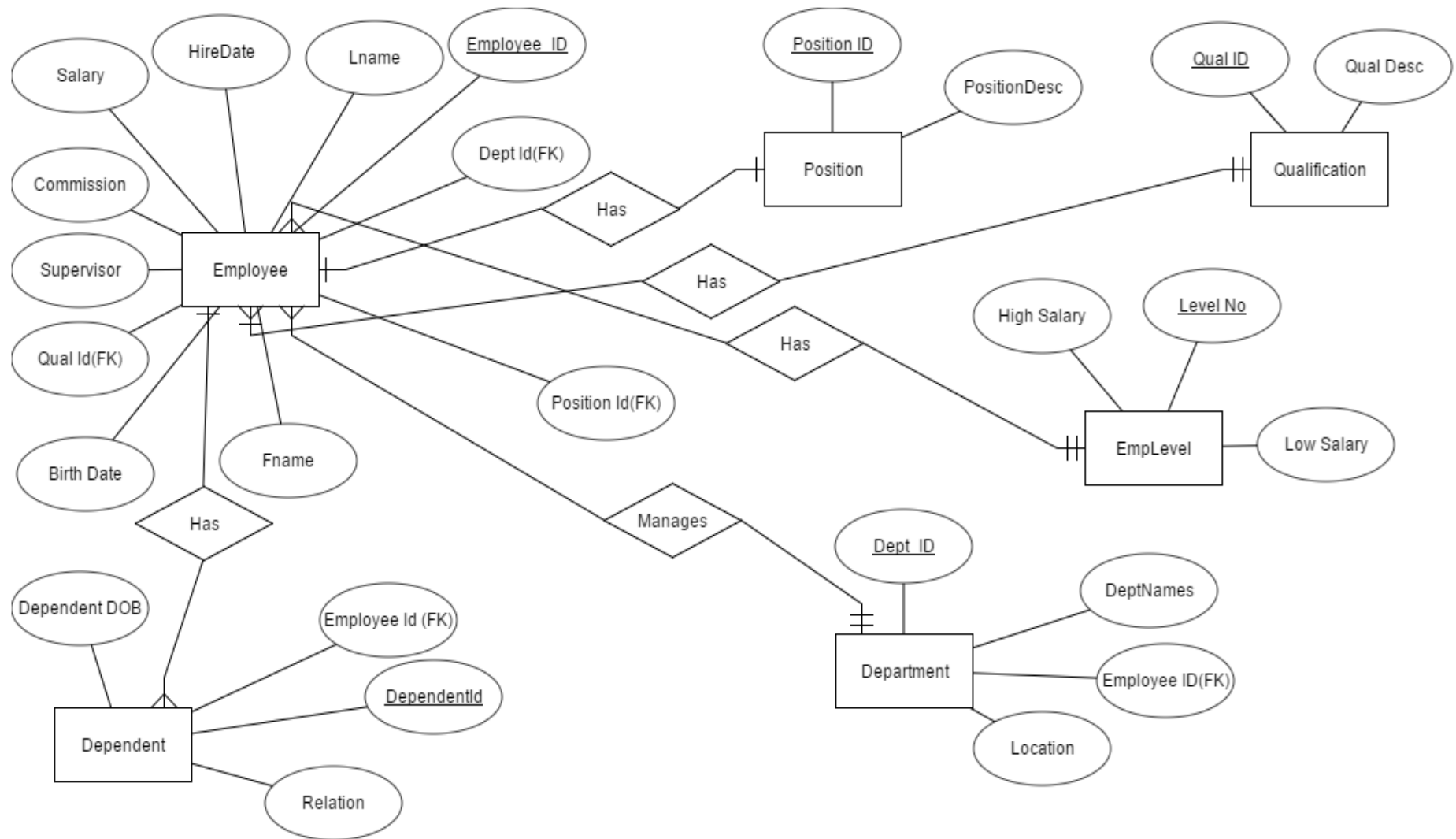
Front End: Eclipse

Rear End: MySQL

Driver used for connecting : jdbc driver .

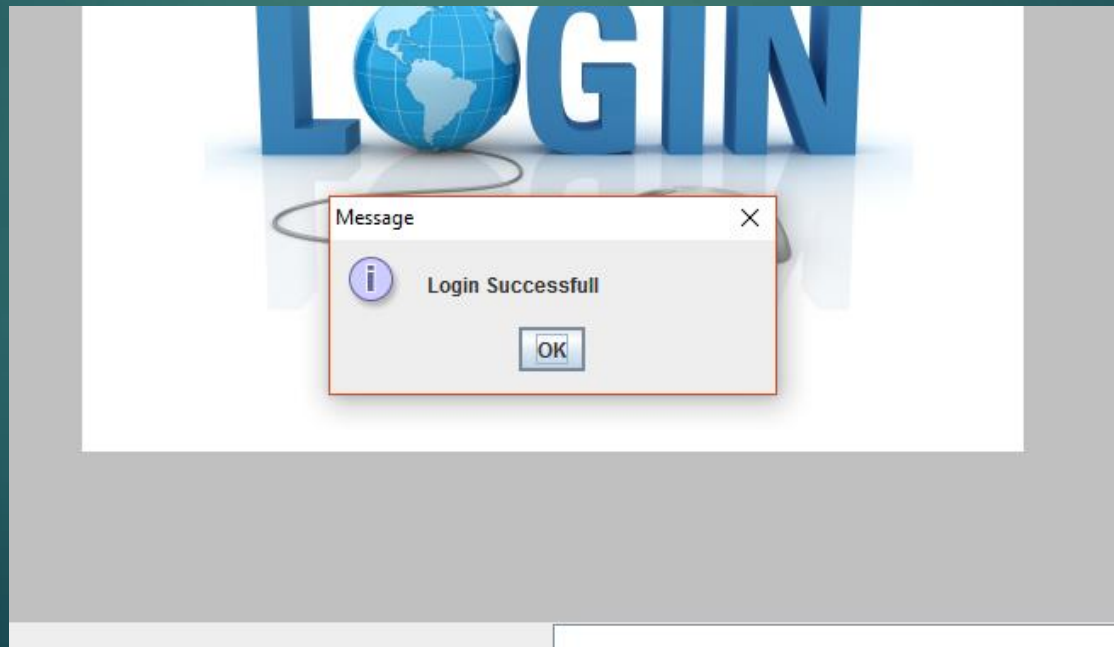
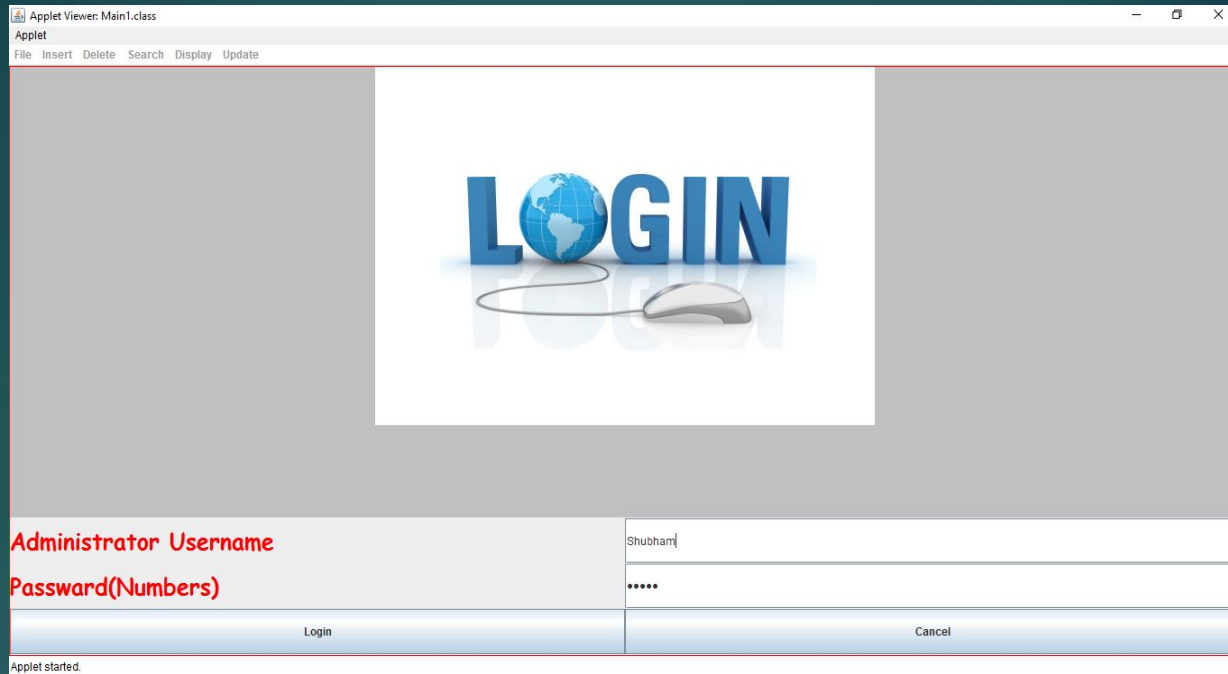
We have developed our project using applet class, it can be easily embedded into the html code using `<applet>` .

# ER Diagram



# Working Screenshots







Applet Viewer: Main1.class

Applet

File Insert Delete Search Display Update

- Department
- Dependent
- EmpLevel
- Employee
- Position
- Qualification

Use Menu Bar to access to view,insert,update,search,delete

Applet started.

Search the web and Windows

11:57 PM  
4/18/2016

Applet Viewer: Main1.class

Applet

File Insert Delete Search Display Update

## Dependent Insertion

EmployeeID	1000
DependentId	1
Dependent Date of Birth	1775-09-22
Relation	Wife

Insert	Clear	Close
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Applet started.

Applet Viewer: Main1.class

Applet

File Insert Delete Search Display Update

## Employee Insertion

Employee ID	1001
Last Name	Patrick
First Name	Wilcox
Position ID	7
Supervisor	1007
Hire Date	2010-05-01
Birth Date	1969-08-20
Salary	55124.00
Commission	3797
Dept ID	13
Qual Id	13

Insert	Clear	Close
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Applet started.

Employee_id	Lname	Fname	Position_id	Qual_id	Dept_id	Supervisor	Salary	Commission	Hiredate	Birthdate
1000	Lamb	Gregory	3	9	8	1015	52710.00	3829	2008-07-05	1981-09-05
1001	Wilcox	Patrick	7	13	13	1007	55124.00	3797	2010-05-01	1969-08-20
1002	Whitfield	Derek	4	2	7	1006	39201.00	4582	2010-11-09	1970-04-16
1003	Dejesus	Yasir	5	16	2	1009	64799.00	2717	2009-06-27	1986-09-30
1004	Cherry	Rebekah	10	6	3	1012	65093.00	3590	2015-03-09	1981-07-06
1005	Landry	Lester	10	16	1	1005	32595.00	3592	2012-03-21	1987-11-20
1006	Chen	Judith	4	15	5	1009	48180.00	3198	2015-08-06	1975-01-10

Applet Viewer: Main1.class

Applet

File Insert Delete Search Display Update

## EMP LEVEL INSERTION

Level No

Low Salary

High Salary

Applet started.

Applet Viewer: Main1.class

Applet

File Insert Delete Search Display Update

## DEPENDENT DELETION

EMPLOYEE ID

DEPENDENT ID

Delete Clear Close

Applet started.

Applet Viewer: Main1.class

Applet

File Insert Delete Search Display Update

## Employee Deletion

Employee ID

Delete Clear Close

Applet started.

## Search By Department ID

DEPARTMENT ID

10000

SEARCH

CLEAR

CLOSE

Department ID	Department Name	Location	Management ID
10000	Mgmt	Haryana	1001

## Search By Employee ID

Employee ID

1096

Search

Clear

Close

Employee ID	Last Name	First Name	Position Id	Qual_ID	Dept_id	Supervisor	Salary	Commission	Hire Date	Birth Date
1096	Hobbs	Akeem	15	9	15	1012	23559.0	4937	2012-01-18	1989-11-02

# Employee Database

Employee ID	Last Name	First Name	Position Id	Qual_ID	Dept_id	Supervisor	Salary	Commission	Hire Date	Birth Date
1000	Lamb	Gregory	3	9	8	1015	52710.0	3829	2008-07-05	1981-09-05
1001	Wilcox	Patrick	7	13	13	1007	55124.0	3797	2010-05-01	1969-08-20
1002	Whitfield	Derek	4	2	7	1006	39201.0	4582	2010-11-09	1970-04-16
1003	Dejesus	Yasir	5	16	2	1009	64799.0	2717	2009-06-27	1986-09-30
1004	Cherry	Rebekah	10	6	3	1012	65093.0	3590	2015-03-09	1981-07-06
1005	Landry	Lester	10	16	1	1005	32595.0	3592	2012-03-21	1987-11-20
1006	Chen	Judith	4	15	5	1009	48180.0	3198	2015-08-06	1975-01-10
1007	Sharp	Jesse	1	15	1	1009	24316.0	2312	2015-11-18	1973-04-23
1008	Washington	Bradley	9	13	1	1010	68563.0	3907	2014-11-15	1987-02-26
1009	Vasquez	Matthew	15	13	3	1014	39501.0	3262	2014-01-01	1974-04-12
1010	Alvarez	Vivian	8	7	15	1007	73993.0	4260	2010-06-19	1978-06-21
1011	Vincent	Sage	3	16	15	1014	28792.0	2958	2011-08-02	1972-06-01
1012	Mcneil	Benjamin	8	8	12	1015	64188.0	3941	2015-07-14	1971-06-30
1013	Nicholson	Sybil	7	16	10	1013	78677.0	3072	2011-04-02	1989-09-09
1014	McLaughlin	Patrick	10	8	1	1010	52140.0	4286	2014-11-26	1968-12-22
1015	Zamora	Josiah	15	12	14	1010	71245.0	4119	2016-01-27	1977-03-18
1016	Berger	Jaime	10	16	1	1005	61604.0	3893	2008-08-21	1973-11-01
1017	Combs	Cheryl	15	1	8	1008	65349.0	2932	2013-11-02	1971-07-01
1018	Quinn	Wynter	13	13	9	1013	21692.0	3048	2009-10-19	1984-01-18
1019	Spence	Deirdre	12	5	4	1013	34769.0	4557	2013-10-22	1990-03-03
1020	Meadows	Aiko	3	2	15	1008	50916.0	4203	2014-11-30	1969-10-27
1021	Doyle	Ulric	3	17	1	1013	62272.0	4819	2011-04-19	1980-02-28
1022	Sanford	Christen	5	16	9	1015	76223.0	4030	2013-02-06	1982-02-05
1023	Burch	Mufutau	11	5	1	1007	72921.0	4330	2010-04-14	1975-08-30
1024	Hardy	Xena	13	3	6	1012	57167.0	2084	2010-04-14	1982-07-10
1025	Hansen	Karina	6	3	12	1011	77832.0	2269	2015-04-25	1988-04-04
1026	Rosa	Maisie	7	3	6	1011	74783.0	2701	2013-09-09	1989-04-08
1027	Brown	Veronica	13	6	8	1009	77124.0	3989	2009-12-04	1971-03-24
1028	Cohen	Ria	11	11	12	1009	42084.0	4418	2008-07-18	1987-12-02
1029	Chen	Erith	14	12	15	1014	36445.0	3497	2009-04-24	1989-04-14



## Department Database

Department ID	Department Name	Location	Management ID
8	HR	Delhi	20
9	HR	Noida	20
10	Finance	Noida	20
11	IT	Noida	20
12	Finance	Noida	20

## Employee Updation

Employee ID

Last Name

First Name

Position ID

Supervisor

Hire Date

Birth Date

Salary

Commission

Dept ID

Qual Id

Employee Data Summary - Q3 2024											
Employee Information			Performance Metrics			Financial Data			Timeline & Status		
ID	Name	Department	Score	Rating	Comments	Amount	Unit	Balance	Start Date	End Date	Status
1072	Brennan	Serena	8	13	4	1012	64061.00	2578	2010-04-04	1968-12-06	Active
1073	Harvey	Stacy	8	3	8	1008	67848.00	4543	2010-07-04	1970-02-10	Active
1074	Dodson	Jaime	12	12	1	1014	41794.00	4725	2015-09-01	1978-10-29	Active
1075	Tanner	Josephine	11	10	1	1009	55439.00	2839	2012-02-15	1985-12-27	Active
1076	Waller	Tamekah	14	11	9	1010	27972.00	2729	2014-10-05	1973-11-14	Active
1077	Hull	Beverly	8	4	5	1015	24322.00	3983	2012-07-15	1974-01-20	Active
1078	Fowler	Gloria	9	1	12	1011	38800.00	2403	2014-04-05	1977-08-22	Active
1079	Rich	Hoyt	9	11	4	1005	58418.00	4260	2009-12-17	1974-06-03	Active
1080	Spears	Wanda	3	5	13	1006	46729.00	4787	2011-11-07	1969-04-28	Active
1081	Cleveland	Quinn	8	15	10	1011	48347.00	2110	2014-01-26	1985-03-30	Active
1082	Christian	Diana	5	2	2	1005	48352.00	3320	2013-03-04	1972-10-16	Active
1083	Macdonald	Caleb	1	1	7	1006	37919.00	3407	2009-07-13	1968-05-04	Active
1084	Walls	Stewart	14	1	13	1009	70049.00	4068	2014-07-08	1973-07-07	Active
1085	Collins	Inez	11	6	13	1010	47491.00	2089	2012-09-21	1977-01-17	Active
1086	Bass	Daphne	4	1	1	1012	53626.00	3342	2010-08-03	1982-09-02	Active
Employee Data Summary - Q3 2024											
ID	Name	Department	Score	Rating	Comments	Amount	Unit	Balance	Start Date	End Date	Status
1070	Sweet	Laurel	11	10	2	1003	70433.00	3077	2012-00-00	1977-07-22	Active
1071	Kidd	Marshall	3	17	14	1007	56811.00	3495	2010-08-10	1980-05-28	Active
1072	Brennan	Serena	8	13	4	1012	64061.00	2578	2010-04-04	1968-12-06	Active
1073	Harvey	Stacy	8	3	8	1008	67848.00	4543	2010-07-04	1970-02-10	Active
1074	Dodson	Jaime	12	12	1	1014	41794.00	4725	2015-09-01	1978-10-29	Active
1075	Tanner	Josephine	11	10	1	1009	55439.00	2839	2012-02-15	1985-12-27	Active
1076	Waller	Tamekah	14	11	9	1010	27972.00	2729	2014-10-05	1973-11-14	Active
1077	Hull	Beverly	8	4	5	1015	24322.00	3983	2012-07-15	1974-01-20	Active
1078	Fowler	Gloria	9	1	12	1011	38800.00	2403	2014-04-05	1977-08-22	Active
1079	Rich	Hoyt	9	11	4	1005	58418.00	4260	2009-12-17	1974-06-03	Active
1080	Spears	Shubham	3	5	13	1006	46729.00	4787	2011-11-07	1969-04-28	Active
1081	Cleveland	Quinn	8	15	10	1011	48347.00	2110	2014-01-26	1985-03-30	Active
1082	Christian	Diana	5	2	2	1005	48352.00	3320	2013-03-04	1972-10-16	Active
1083	Macdonald	Caleb	1	1	7	1006	37919.00	3407	2009-07-13	1968-05-04	Active
1084	Walls	Stewart	14	1	13	1009	70049.00	4068	2014-07-08	1973-07-07	Active
1085	Collins	Inez	11	6	13	1010	47491.00	2089	2012-09-21	1977-01-17	Active

Applet Viewer: Main1.class

Applet

File Insert Delete Search Display Update

## Department Updation

Dept_ID	9
Dept Name	Mgmt
Location	
Manager ID	

Applet started.

```
mysql> select * from department;
```

Dept_id	Dept_name	Location	Management_id
8	HR	Delhi	20
9	HR	Noida	20
10	Finance	Noida	20
11	IT	Noida	20
12	Finance	Noida	20

5 rows in set (0.00 sec)

```
mysql> select * from department;
```

Dept_id	Dept_name	Location	Management_id
8	HR	Delhi	20
9	Mgmt	Noida	20
10	Finance	Noida	20
11	IT	Noida	20
12	Finance	Noida	20

5 rows in set (0.00 sec)



# ADVANTAGES OF PROPOSED SYSTEM

- Very simple and easy to implement
- Ensure data accuracy
- Administrator discretion and control over the entire system.
- Minimizes manual data entry
- Greater efficiency
- User friendly and interactive
- Security of data
- Less time consuming



## CONCLUSION

This application has been developed using mySql and java database programming connectivity via jdbc driver so as to meet the requirements of an organization, thereby ensuring quality performance.

The data can be accessed, manipulated and retrieved very easily. To conclude this software has proved to be a user friendly interface.

