PROJECT REPORT ON DATABASE MANAGEMENT

EMPLOYEE DATABASE MANAGEMENT SYSTEM

SUBMITTED BY

Name   Roll no

DEPARTMENT OF COMPUTER ENGINEERING

UNIVERSITY

2017 – 18

CERTIFICATE

This is to certify that the project report entitles

"E-EMPLOYEE DATABASE"

is a bonafide work carried out by him/her under the supervision of **""** and it is approved for the partial fulfillment of the requirement of University as a part of Database Management Lab work syllabus (Third year Computer Engineering).

ACKNOWLEDGEMENT

We take this opportunity to acknowledge the support and continuous cooperation of all the people whose help was of unparalleled importance in making this project a success. We would like to express our gratitude towards our project mentor, (DATABASE MANAGEMENT SYSTEM LAB) who encouraged and supported us by giving continuous guidance, which kept us motivated throughout the project.

We would also like to thank our Head of Department to sir, who took keen interest on our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good system.

I am thankful to and fortunate enough to get constant encouragement, support and guidance from all Teaching staffs of computer department which helped us in successfully completing our project work. Also, I would like to extend our sincere esteems to all staff in laboratory for their timely support.

ABSTRACT

We have created the E-Employee Database so as to efficiently track the employee working time as well as to keep a track of current employees and their regularities. The main aim of this project is to reduce the tedious and complex paper work of paper based tracking of employee data sheets.

To know the exact time of working of each employee by the required authorities id the requirement of any business. Also, the different positions of different employees has been kept in mind while creating this project. With a robust online attendance system the work details can be captured accurately and cannot be manipulated by anyone. All this has been achieved by this project.

CONTENTS

CHAPTER		TITLE	PAGE NO
01		**Problem Definition**	
02		**Software Requirements Specification**	
	2.1	**Introduction**	
	2.2	**Scope**	
	2.3	**Requirements**	
03		**Relational database design (ER & schema Diagram)**	
04		**Database normalization**	
05		**GUI**	
06		**Test cases with results**	
07		**Conclusion**	
08		**References**	

LIST OF ABBREVATIONS

ABBREVIATION	ILLUSTRATION
DBMS	Database Management
ER DIAGRAM	Entity Relation
MYSQL	My Structured Query Language
RDBMS	Relational Database Management System
DDL	Data Definition Language
DML	Data Manipulation Language
DNS	Domain Name System
IP	Internet Protocol
PK	Primary Key
JDBC	Java DataBase Connectivity

LIST OF FIGURES

LIST OF TABLES

2.0 PROBLEM DEFINITION

       Create a Java based Employee management system for a pizza parlour that allows employees to PunchIn and PunchOut their attendance electronically . Also Employees can keep track of their attendance, hours worked, their salary , and incentive . Only manager has authorization to remove or add an employee and see the details of all the employees . An employee can only record his/her attendance , see his/her profile only and make record of pizza deliveries made.

2.0 SOFTWARE REQUIREMENT SPECIFICATION

2.1 INTRODUCTION

Nowadays with the growing number of employees, the complexity of logging their time and tracking their attendance increases drastically. With this increase in the number of employees it is very tedious to keep a track of every employee in a register. To overcome this time engaging and yet not-so-accurate difficulty we have developed this system. It not only keeps the track of time and attendance, but it can also be accessed by the required authority.

2.2 SCOPE

Project Justification:

The goal is to develop an electronic employee database system which can track their hours of work. It can be used individually by every employee so as to track their working hour history accurately and digitally.

Product Characteristics:

1. It has a secured login with login-id and a password.

2. It can stored the in-time and out-time of all the employees.

3. The saved data can be viewed by the employees for self-assessment.

4. The saved data can also be view by a senior authority (here manager) to evaluate the progress of the respective employee.

5. The senior can also get all the details of a particular or all the employees.

6. The senior can also remove an employee's database if the employee no longer is a part of the organization.

2.3 Requirements

- JDK
- JRE
- JDBC
- MYSQl Server
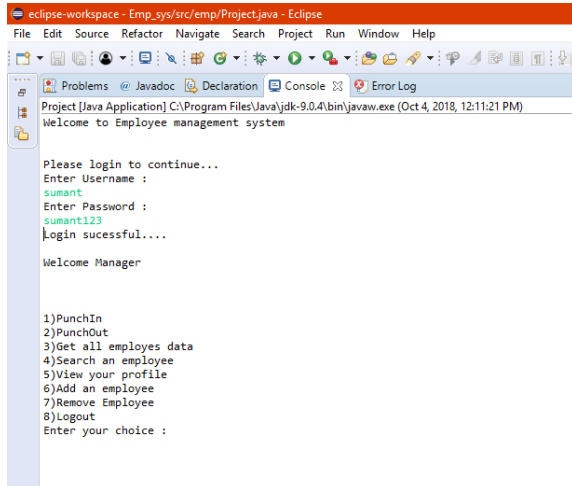- MYSQL WorkBench

3 RELATIONAL DATABASE DIAGRAMS

3.1 ER DIAGRAM

3.2 SCHEMA DIAGRAM

Employee
EID
Ename
DOB
Address
Contact
Designation
Salary
Hrs_wrkd
Deliveries
Incentive

Logs
EID
Date
In_time
Out_time

Auth
Username
EID
Password
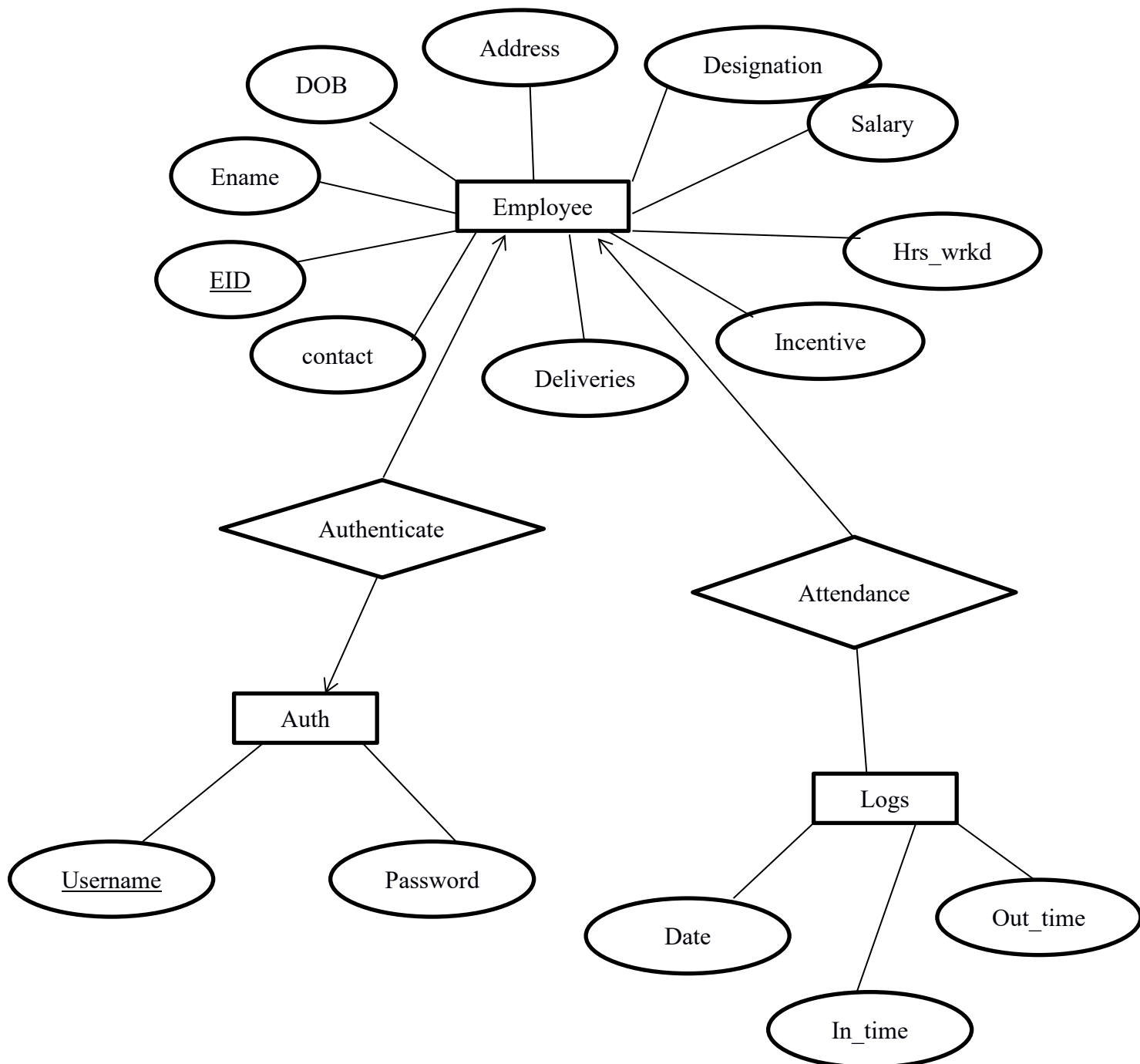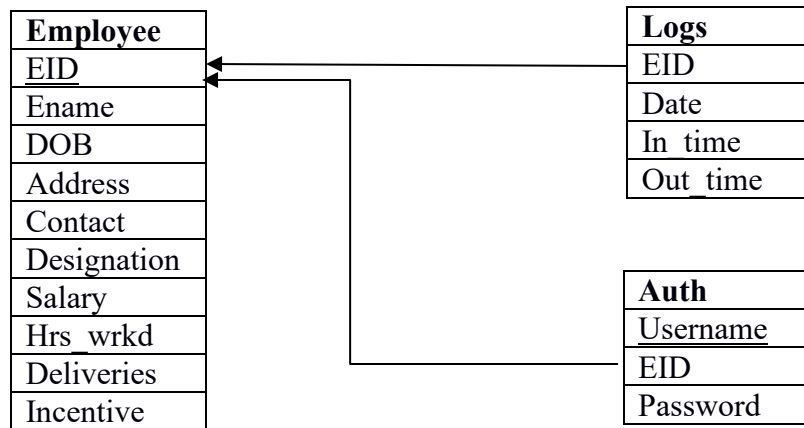
UI

1. Login , PunchIn , Punchout

2. All employees data

3. Self Profile

```
Welcome Manager


1)PunchIn
2)PunchOut
3)Get all employes data
4)Search an employee
5)View your profile
6)Add an employee
7)Remove Employee
8)Logout
Enter your choice :
5
EID    Ename              DOB          Address Contact Post      Salary  hoursWorked    Deliveries        Incentive
1      Sumant  1999-04-28          B902 COC         9168165090   Manager 30000   41             0        550
```

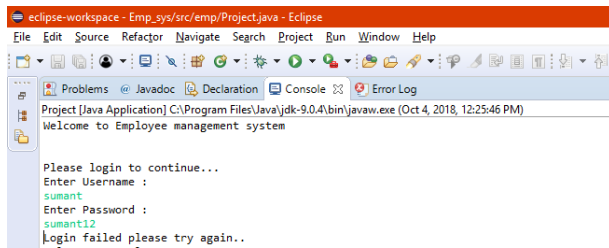## 4. New Employee
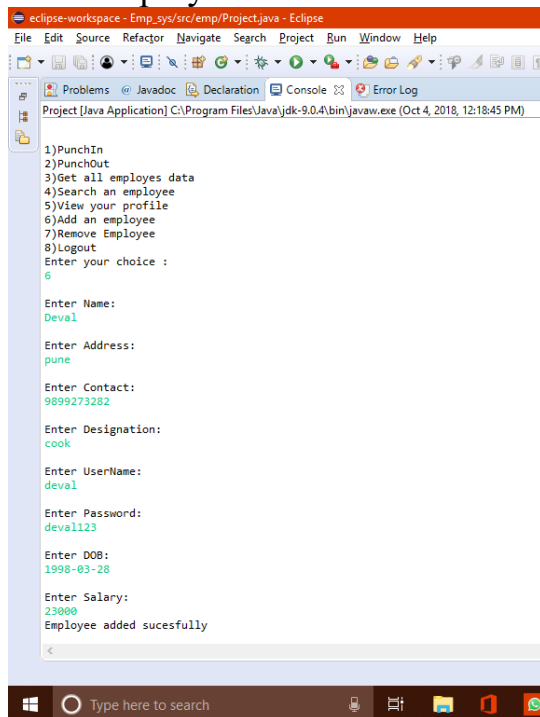
5. Search Employee

```
Welcome Manager


1)PunchIn
2)PunchOut
3)Get all employes data
4)Search an employee
5)View your profile
6)Add an employee
7)Remove Employee
8)Logout
Enter your choice :
4

Enter EID to search :
9
|
Employee Found
EID     Ename           DOB     Address Contact Post    Salary hoursWorked     Deliveries     Incentive
9       Deval   1998-03-28      pune    9899273282      cook    23000  0        0             0
```

6. Remove Employee

```
Welcome Manager


1)PunchIn
2)PunchOut
3)Get all employes data
4)Search an employee
5)View your profile
6)Add an employee
7)Remove Employee
8)Logout
Enter your choice :
7

Enter EID of Employee to be removed :
9
Employee removed sucesfully
```
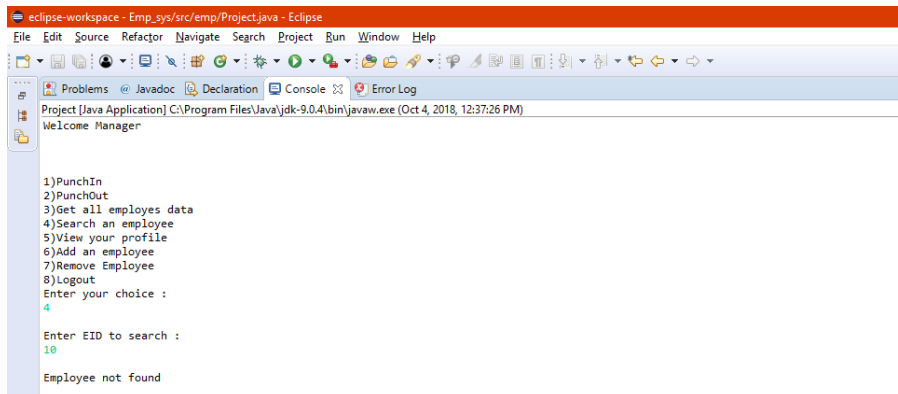
TEST CASES WITH RESULTS

1. Login failed

2. Employee not found

CONCLUSION

In this paper, we presented the design of architecture of E-Time Sheet. Proposed solution is encryption software that works like a physical time sheet during employee attendance. It can hold a user's attendance and their salary details.

The consumer benefits because the tedious task of maintain a physical time sheet or a clocking system is avoided and it is done by the system. It also calculates the salary of employee based on their attendance and other factors and hence it is error free.

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3. https://www.youtube.com/user/thenewboston

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