

# **PROJECT ON PAYROLL MANAGEMENT SYSTEM**

REPORT OF PROJECT SUBMITTED FOR FULFILLMENT  
OF THE REQUIREMENT FOR THE APPLICATION OF  
DBMS

**SUBMITTED BY:**

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## **Abstract:**

“Payroll Management System” is designed to make the existing manual system automatic with the help of computerised equipment and full-edged computer software, fulfilling their requirements, so that their valuable data and information can be stored for a longer period with easy access and manipulation of the same. The required software is easily available and easy to work with. This web application can maintain and view computerised records without getting redundant entries. The project describes how to manage user data for good performance and provide better services for the client.

## **Introduction**

The proposed project “Employee Database and Payroll Management System” has been developed to overcome the problems faced in the practicing of manual system. This software is built to eliminate and in some cases reduce the hardships faced by the existing system. Moreover this system is designed for particular need of the company to carry out its operations in a smooth and effective manner.

This web application is reduced as much as possible to avoid errors while entering data. It also provides error message while entering invalid data. It is user-friendly as no formal knowledge is required to use the system.

Human resource challenges are faced by every organization which has to be overcome by the organization. Every organization has different employee and payroll management needs. Therefore I have design exclusive Employee and payroll Management System that are adapted to the organization’s Managerial Requirements.

## **Purpose**

The purpose of this document is to describe the functionality and specifications of the design of a web application for Managing Employees and their payroll. The expected audiences of this document are the developers and the admin of the web application. Now with the help of this system the admin has the information on his finger tips and can easily prepare a good record based on their requirements.

Finally, we can say that this system will not only automate the process but save the valuable time of the manager or the admin, which can be well utilized buy his institute. This will be an additional advantage and management of power based on their free time from his normal duty.

## **Modules:**

### **Admin**

The Admin gets logged in by valid username and password. Admin can add new Employee, add new Department, add new Pay Grade for the employees. Admin can set the 'from' and 'to' date worked by an employee in a department with specific pay grade. The Admin can generate an automated monthly salary of an employee. The admin can view all the past records of any recorded employee.

## **Advantages**

- It is cost effective as the user control the web application himself and does not go for professional service.
- It saves time as it speeds up every aspect of the employee database management and payroll process with a range of automated features.
- It is secure as the employee database and the payroll process is managed by the admin in house rather than sending private information to a third party.
- Validating procedures and checks restrict user from making mistakes.
- The software is easy to use and is user friendly so no expertise is required.
- The calculations are automated so no chance of errors

## **Project Category: Web-Based Application**

### **Available Technologies:**

Languages: HTML, PHP, JavaScript

RDBMS: Online MySQL

Web Server: WAMP server

Development Platform: Adobe Dreamweaver

### **Tools Used:**

Editor Used: Dreamweaver for PHP, WAMP server for MySQL

Operating System: Windows 10

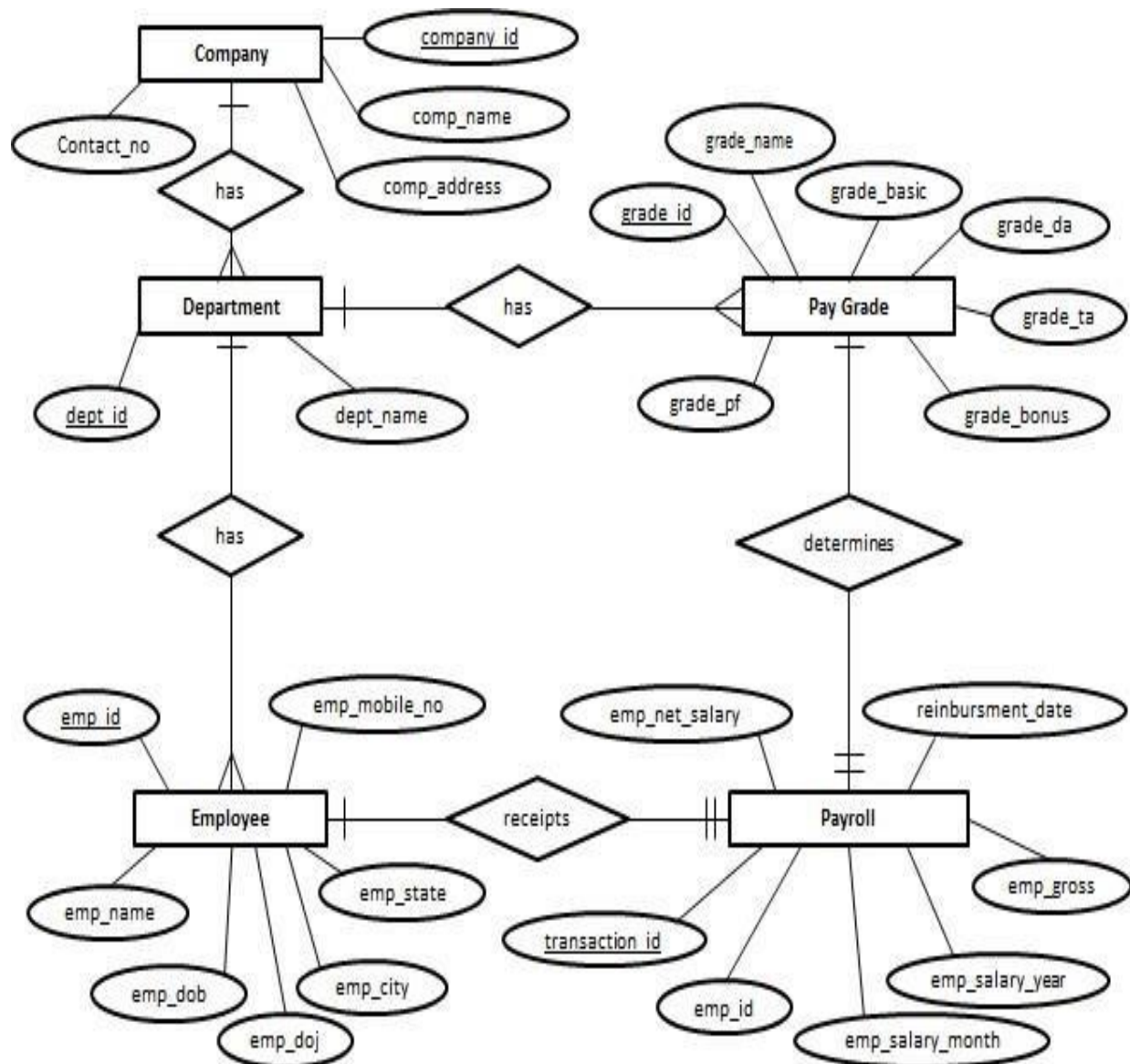
### **Hardware Used:**

Processor: Intel core i3

RAM: 4GB

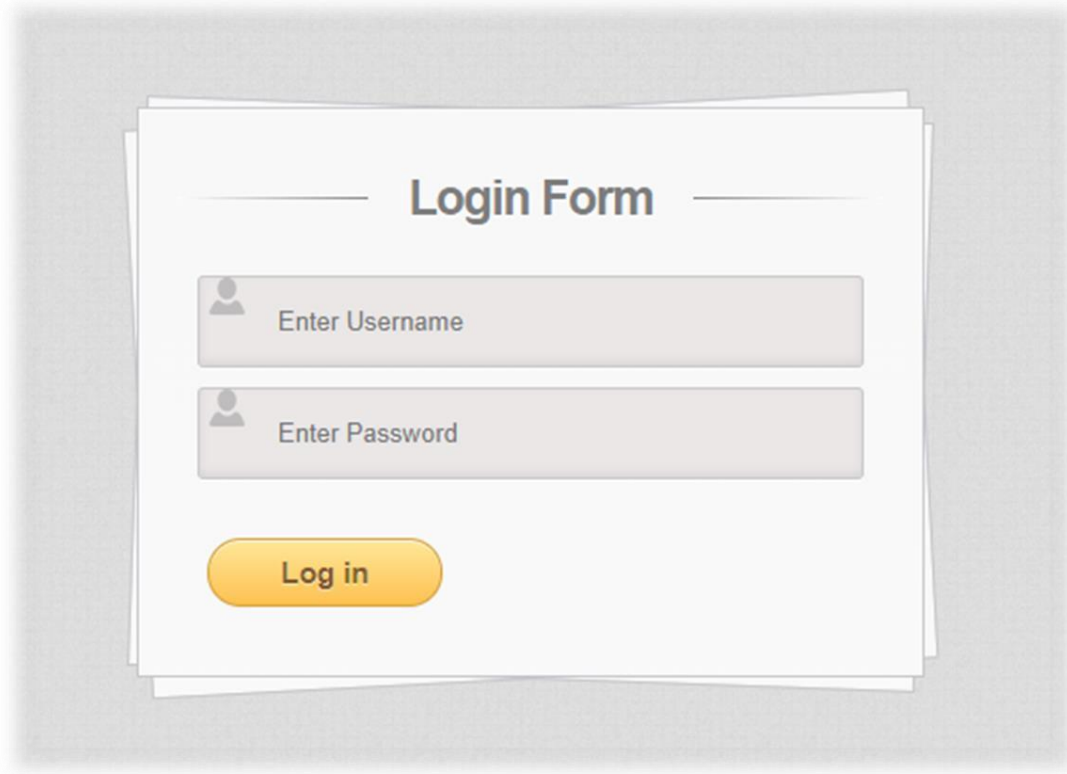
Hard Disk: 1TB

## Entity Relationship Diagram(ERD)

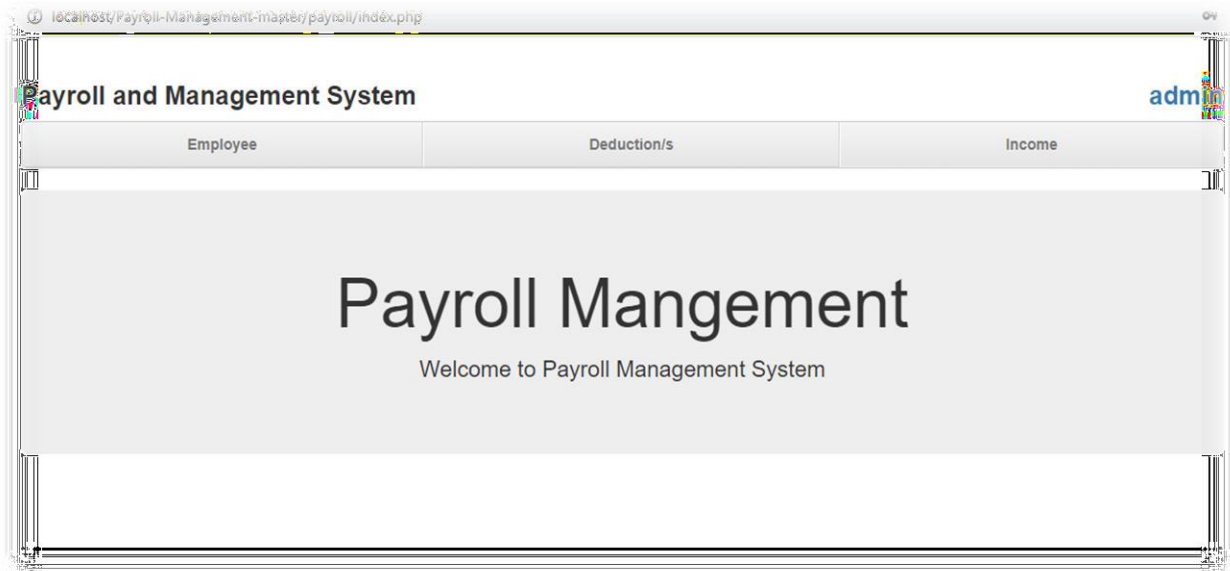


## **Screenshots**

### **Login Page:**



## Welcome Page:



## Employee Details page:

Payroll and Management System

Admin

Employee

Deduction/s

Income

Add New

List of Employees

Show 10 entries

Search:

Name	Gender	Employee Type	Department	Action
Ayushman, Chaudhary	Male	Job Order	MIS	<div>AccountDelete</div>
Prateek, Sharma	Male	Casual	Admin	<div>AccountDelete</div>
Shivesh, Chaturvedi	Male	Regular	Control	<div>AccountDelete</div>

Showing 1 to 3 of 3 entries

Previous1Next

# PAYROLL MANAGEMENT System

localhost/Payroll-Management-master/payroll/home\_deductions.php

Settings pypower-codes (Py... https://www.render... 1. Database Applica... 101 Pandas Exercis... D99 The Bag of G... YouTube GCR Watch Online Movi... Piling Up! | HackerR...

## Payroll and Management System

Admin

Employee

Deduction/s

Income

PhilHealth : 1.00

BIR : 2.00

GSIS : 3.00

PAG-IBIG : 4.00

Loans : 5.00

Total Deductions : 15.00

Update

## Payroll and Management System

Employee

### Deduction

x

Admin

Income

PhilHealth 1000

BIR 5000

GSIS 1500

PAG-IBIG 2000

Loans 10000

Submit



## Employee Salary Details page:

### Payroll and Management System

Admin

Employee	Deduction/s	Income
----------	-------------	--------

Modify Overtime Rate

Modify Salary Rate

Overtime rate per hour: 10.00

Salary rate: 1500.00

Account

Show  entries

Search:

Name	Deduction	Overtime	Bonus	Net Pay
Ayushman, Chaudhary	2.00	5 hrs	100.00	1648.00
Prateek, Sharma	1.00	6 hrs	1000.00	2559.00
Shivesh, Chaturvedi	1.00	2 hrs	2.00	1521.00

Showing 1 to 3 of 3 entries

Previous

1

Next

## PAYROLL Management System

### Payroll and Management System

Employee

Income

Modify Overtime Rate

Modify Salary Rate

Show 10 entries

Name				Bonus	Net Pay
Ayushman, Chaudhary				100.00	1648.00
Prateek, Sharma				1000.00	2559.00
Shivesh, Chaturvedi	1.00	2 hrs	2.00		1521.00

Search:

Overtime rate per hour: 10.00

Salary rate: 1500.00

Admin

Enter the amount of **Overtime** rate per hour.

10

Submit

### Payroll and Management System

Employee

Income

Modify Overtime Rate

Modify Salary Rate

Show 10 entries

Name				Bonus	Net Pay
Ayushman, Chaudhary				100.00	1648.00
Prateek, Sharma	1.00	6 hrs		1000.00	2559.00
Shivesh, Chaturvedi	1.00	2 hrs	2.00		1521.00

Search:

Overtime rate per hour: 10.00

Salary rate: 1500.00

Admin

Enter the amount of **Salary** rate.

1500

Submit

## Database Tables:

### User Table Database Structure:

user_id(int) – Primary Key	Id for the user.
user_name(varchar)	Enter the name of the user.
password(varchar)	Enter the password of the user.
email_id(varchar)	Enter the email_id of the user.
usertype(varchar)	Enter the type of user.

The screenshot shows the phpMyAdmin interface for a database named 'payroll'. The 'employee' table is selected, and its structure and data are displayed. The table has the following columns: emp\_id, lname, fname, gender, emp\_type, division, deduction, overtime, and bonus. The data is as follows:

emp_id	lname	fname	gender	emp_type	division	deduction	overtime	bonus
6	Shivesh	Chaturvedi	Male	Regular	Control	1	2	2
8	Ayushman	Chaudhary	Male	Job Order	MIS	2	5	100
9	Prateek	Sharma	Male	Casual	Admin	1	6	1000

# PAYROLL Management System

payroll

- New
- deductions
- employee
- overtime
- salary
- user

performance\_schema

phpmyadmin

test

trip

Showing rows 0 - 1 (2 total, Query took 0.0011 seconds.)

```
SELECT * FROM `user`
```

☐ Profiling [\[ Edit inline \]](#) [\[ Edit \]](#) [\[ Explain SQL \]](#) [\[ Create PHP code \]](#) [\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

					id	username	password
<input type="checkbox"/>	Edit	Copy	Delete		1	shivesh	78
<input type="checkbox"/>	Edit	Copy	Delete		2	admin	admin

phpMyAdmin

Recent Favorites

- 'payroll': 'employee'
- 'payroll': 'user'
- 'payroll': 'deductions'
- 'payroll': 'salary'
- 'payroll': 'overtime'
- 'note': 'notes'
- 'payroll\_system': 'administrator'
- 'payroll-system': 'administrator'
- deductions
- employee
- overtime
- salary
- user
- performance\_schema
- phpmyadmin
- test
- trip

Server: 127.0.0.1 » Database: payroll » Table: employee

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	emp_id	int(10)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 2	lname	varchar(20)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 3	fname	varchar(20)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 4	gender	varchar(6)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 5	emp_type	varchar(20)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 6	division	varchar(30)	latin1_swedish_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 7	deduction	int(10)			No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 8	overtime	int(10)			No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 9	bonus	int(10)			No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#) [Add to central columns](#)

[Remove from central columns](#)

## **Features of payroll management system:**

- Easy to use.
- It is completely secure.
- It is completely controlled by admin.
- This system is easily compatible with most of the web browsers.
- It is very interactive and saves time.
- Reduces paper works.
- Calculations are automated so it is highly accurate.
- Admin can view all the records whenever necessary with ease.

## **Future scope of the work:**

- The option to print the records In future.
- I intend to add a leave structure in the future.
- I would like to implement a regular backup mechanism to back up the employee database to avoid disasters.
- The system can be developed in such a way that its existing features can be modified to better versions.

## **Conclusion:**

This project is built keeping in mind that it is to be used by only one user that is the admin. It is built for use in small scale organization where the number of employees is limited. According to the requested requirement the admin can add, manipulate, update and delete all employee data in his organization. The admin can add new departments and delete them. The Admin can also add predefined pay grades for the employees. The required records can be easily viewed by the admin anytime time he wants in an instant. The payment of the employee is based on monthly basis. Numerous validations implemented would enable the admin to enter accurate data. The main objective of this framework is to save time, make the system cost effective and management records efficiently.

## **Bibliography:**

### Websites:

- [www.w3schools.com](http://www.w3schools.com)
- [www.tutorialspoint.com](http://www.tutorialspoint.com)
- [www.youtube.com](http://www.youtube.com)