# Employee Payroll Management

## Group members with Student Id

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## Project Guide:

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# 1. Introduction

- The project "Employee Payroll Management System" is designed so as to automate the pre-existing manual system in an efficient, secure and precise way. It's primary function is to generate salary sheet of the employee and to compute various deductions and allowances.

- Problem Identified :

1. Lack of easy to interact interface.

2. Errors in calculating payroll.

3. Lack of understanding of data in statistical form.

4. No consistent results.

5. Time consuming procedures.

6. Data cannot be accessed from anywhere and anytime.

# Solution proposed:

1. Easy to use and understand interface.
2. Is an automated analysis so no chance of errors in  calculation.
3. Saves HR department time as it is efficient than standard ways.
4. Display of grouped data that helps in decision making.
5. Fast, accurate and detailed analysis.

# 2. Objectives

1. To simplify the dynamic process of taxation and payout management with this automated payroll management system.

2. To develop a safe and secure of way of calculating payroll and handling an organisation's finances.

3. To create an employee centric and HR effective system that will simplify managing of employees significantly.

4. To facilitate admin access to information of the employees and prepare a record based on their requirements.

5. To decrease the overall cost of the payroll management and save time.

# 3. Scope

1. Can be applied in MNC's and various firms.

2. Can be applied in schools, colleges and institutes.

3. Can be applied for various payroll requirements.

# 4. Feature /Functionality

1. It is an automated system.
2. Provides easy statistics of salary distribution.
3. It avoids manual calculation and thus prevents any miscalculations.
4. Organized payroll records.
5. Pay employees on time efficiently.
6. Encourage employees self-service.
7. Easy and faster access to employee details.
8. The data base of employee can be analysed accurately to calculate the actual payroll.

# 5. Outcome of Project
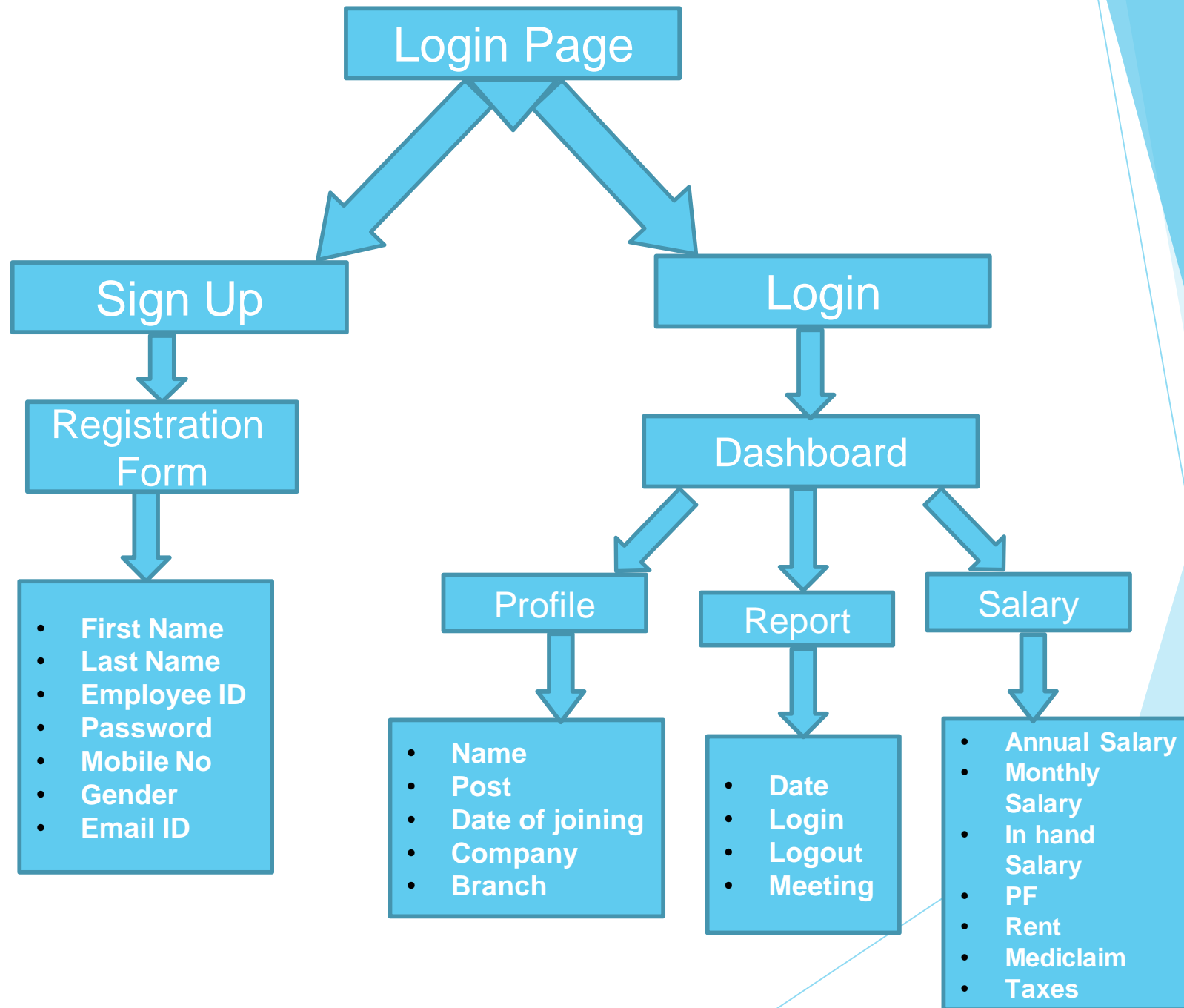
1.  User can access his/her portal easily.

2.  User can check his/her salary details.

3.  User can check his/her activity status.

4.  User can his performance report and leave allowances.

5.  Admin can insert/delete employee details.

# 6. Technology Stack

Planned developed Front end & Backend.

1. Apache NetBeans 15

2. MySQL 8.0.31

3. MySQL Connector 8.0.31

4. Java JDK 11.0.14.1

# 7. Block Diagram

```
                        ┌─────────────────┐
                        │   Login Page    │
                        └─────────────────┘
                         ↙               ↘
            ┌─────────────┐           ┌─────────────┐
            │   Sign Up   │           │    Login    │
            └─────────────┘           └─────────────┘
                   │                         │
        ┌──────────────────┐         ┌─────────────┐
        │  Registration    │         │  Dashboard  │
        │      Form        │         └─────────────┘
        └──────────────────┘        ↙      │      ↘
                   │          ┌─────────┐ ┌────────┐ ┌────────┐
                   │          │ Profile │ │ Report │ │ Salary │
                   │          └─────────┘ └────────┘ └────────┘
```

**Registration Form**
- First Name
- Last Name
- Employee ID
- Password
- Mobile No
- Gender
- Email ID

**Profile**
- Name
- Post
- Date of joining
- Company
- Branch

**Report**
- Date
- Login
- Logout
- Meeting

**Salary**
- Annual Salary
- Monthly Salary
- In hand Salary
- PF
- Rent
- Mediclaim
- Taxes

# References:

[1] Creating database within NetBeans:

https://www.youtube.com/watch?v=e9HyfpQ6QU4&t=19s

[2] Inserting data into database:

https://www.youtube.com/watch?v=lvCYGxyV3a4

[3] Connect Mysql with NetBeans:

https://www.youtube.com/watch?v=rLzNu-iHOyw&t=34s

[4] Update data:

https://www.youtube.com/watch?v=1DeFr3h4O8E&t=278s

[5] GUI Application development video:

http://moodle.apsit.org.in/moodle/mod/url/view.php?id=121700

[6] Form Validation:

http://moodle.apsit.org.in/moodle/mod/url/view.php?id=121701

Thank You...!!