

CAPSTONE PROJECT – Use Core Java and JDBC

Develop and Design the HR Department which maintains the employee details with basic payroll information. Also Generate necessary report information.

It may be having the following tables

Employee { employee identification number, first and last name, designation, home address, contact number, hire date, work location, and such details.}

Address { like building ID, company's physical locations, zip code, address, name of the manager, etc., for each physical location etc}

Payroll {employee Id, payroll info-Basic, HRA, DA,TA}

Department{ DeptId, dname, Address}

Role{roleId, rolename, description}

Whenever a new hire takes place, data is added to relevant records on the relevant tables like payroll, employees table, department table etc. The HR department creates a new record and updates it to reflect the changes. When the enterprise needs to send a letter, it simply reads the employee's table to select the relevant personal details, or when the employee leaves their service.

Expected features

1. Login for employee, HR
2. Persisting employee, department, and Payroll information by HR
3. Modify the employee, department, and payroll information
4. Delete employee, department
5. Display that all employee works for a certain department
6. List of all departments
7. Database should be normalized at least in 3rd Normal form

Note:

1. Maintain the layered architecture
2. User interface will be mocked Mock Controller, with services and Dao
3. Dao layer should be using JDBC to connect MySQL database
4. Use necessary data structures
5. You can assume necessary relevant tables and code