

PROJECT OF PAYROLL MANAGEMENT SYSTEM

REPORT OF THE PROJECT SUBMITTED
FOR FULFILLMENT OF THE REQUIREMENT
FOR THE SEMESTER PROJECT

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We are truly grateful for the opportunity to learn from an exceptional resident teacher there, whose guidance helped us grow academically

Abstract

“Payroll Management System” is designed to make the existing manual system automatic with the help of computerized 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 desktop application can maintain and view computerized 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 “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 desktop 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 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 desktop application for Managing Employees and their payroll. 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.

Functionalities

1. Employee Information Management:

This feature enables HR personnel to input and maintain detailed employee profiles, including personal details, contact information, employment history, and tax-related data.

2. Position Management:

The system allows administrators to define and manage various positions within the organization, including job titles, departments, reporting structures, and associated responsibilities.

3. Salary Management:

With this functionality, HR administrators can create and oversee salary structures for different positions or employee categories. This includes setting base salaries, allowances, bonuses, and other compensation elements.

4. Information Display and Retrieval:

Users can easily access and view employee information, positions, and salary details. This feature typically provides a user-friendly interface for quick retrieval of relevant data.

5. Update and Edit Capability:

HR personnel have the ability to update and modify employee information, positions, and salary records as necessary. This includes functionalities for editing contact details, job titles, salary adjustments, or other relevant data fields.

6. Deletion Functionality:

The system allows authorized users to delete outdated or incorrect records as needed. This ensures data accuracy and compliance with data privacy regulations.

7. Leave Management Section:

This module facilitates the management of employee leave requests, including vacation, sick leave, and other types of time off. It includes functionalities for leave request submission, approval workflows, and tracking leave balances.

8. Security Features:

Robust security measures ensure the confidentiality and integrity of employee data. This includes role-based access controls, encryption, audit trails, and other security mechanisms to protect sensitive information from unauthorized access or data breaches.

9. User-Friendly Interface:

The system provides an intuitive and user-friendly interface for easy navigation and efficient use by HR personnel, managers, and employees.

Modules

Admin

The admin gets logged in by valid email and password. Admin can add new Employee, add new Department for the employees. Admin can set the 'from' and 'to' date leaved by an employee in a department. The admin can view all the past records of any recorded employee.

Advantages

- It is cost effective as the user control the desktop 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 are 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.

Disadvantages

- It requires large database.

Project Category: Desktop-Based Application

Available Technologies:

Languages: C++, SQL, C Sharp

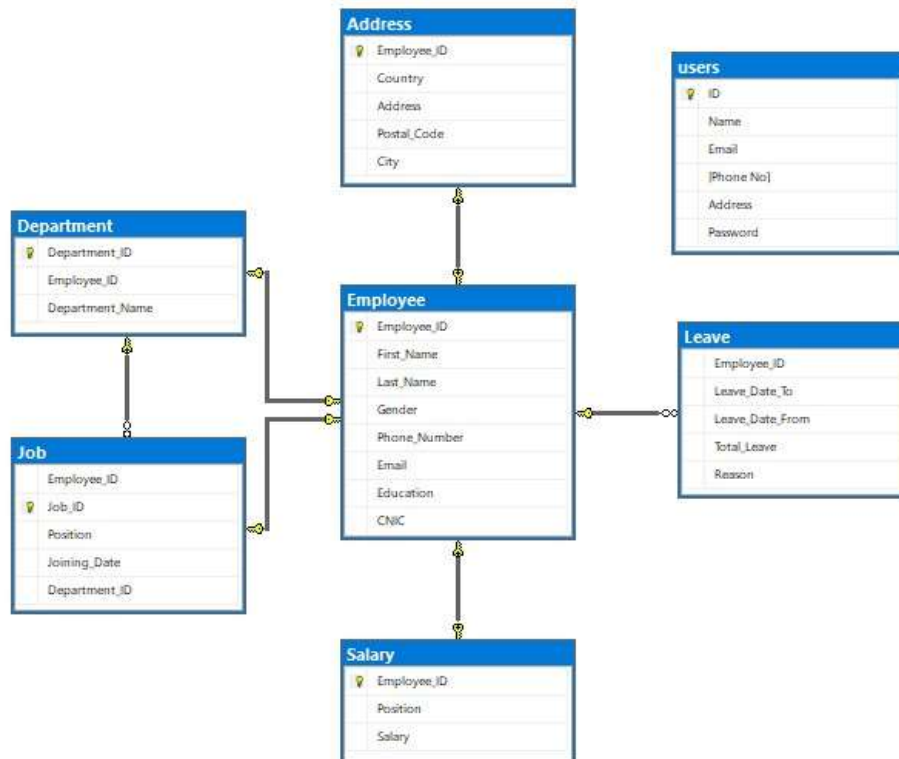
RDBMS: SQL

Tools Used:

Editor Used: Visual Studio

Operating System: Windows 10

Entity Relationship Diagram(ERD)



USER INTERFACE

Screenshots

Login Page:



University Of Engineering And Technology Lahore, Narowal Campus

Payroll to Employees

LOGIN HERE

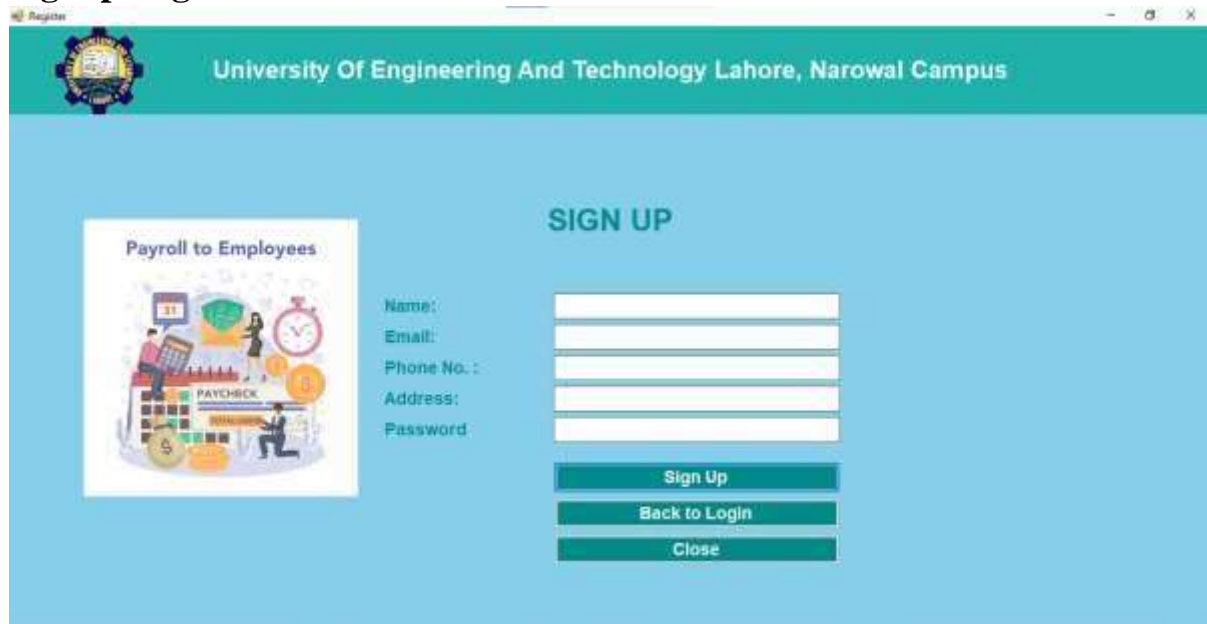
EMAIL:

PASSWORD:

☐ Show Password

[Forgot Password?](#)

Signup Page:



University Of Engineering And Technology Lahore, Narowal Campus

Payroll to Employees

SIGN UP

Name:

Email:

Phone No. :

Address:

Password:

Forget Password:



University Of Engineering And Technology Lahore, Narowal Campus

FORGET PASSWORD

Payroll to Employees

EMAIL:

[Forget Password](#)

[Back to Login](#)

[Close](#)

Dashboard:



PAYROLL MANAGEMENT SYSTEM

DASHBOARD

[ADD DATA](#)

[SHOW DATA](#)

[JOB POSITION](#)

[UPDATE DATA](#)

[SALARY](#)

[DELETE DATA](#)

[LEAVE](#)

[LOG OUT](#)

ADD Information:

The screenshot shows a web application window titled "PAYROLL MANAGEMENT SYSTEM". On the left is a teal sidebar with a "Home" button. The main content area is light blue and titled "ADD EMPLOYEE INFORMATION". It contains a form with the following fields:

First Name:	<input type="text"/>	CNIC No.:	<input type="text"/>
Last Name:	<input type="text"/>	Education:	<input type="text"/>
Gender:	<input type="text"/>	Address:	<input type="text"/>
Email:	<input type="text"/>	Country:	<input type="text"/>
Phone Number:	<input type="text"/>	City:	<input type="text"/>
Employee id	<input type="text"/>	Postal Code:	<input type="text"/>

At the bottom of the form are two buttons: "Save" and "Reset".

ADD Position:

The screenshot shows a web application window titled "University Of Engineering And Technology Lahore, Narowal Campus". On the left is a teal sidebar with a "Home" button. The main content area is light blue and titled "ADD EMPLOYEE POSTION". It contains a form with the following fields:

Employee id	<input type="text" value="548"/>
Employee Position	<input type="text"/>
Employee Department	<input type="text"/>
Joining Date	<input type="text" value="4/25/2028"/>

At the bottom of the form is a button: "Add Data".

ADD Salary:

The screenshot shows a web application window titled "University Of Engineering And Technology Lahore, Narowal Campus". On the left is a teal sidebar with a "Home" button. The main content area has a light blue background and is titled "ADD EMPLOYEE SALARY". It contains a form with the following fields: "Employee id" (with the value "549" entered), "Employee Position", "Employee Department", and "Salary". There are two buttons: "Show Data" (teal) next to the "Employee id" field, and "Add Salary" (teal) at the bottom right of the form.

Show Data:

The screenshot shows a web application window titled "PAYROLL MANAGEMENT SYSTEM". On the left is a teal sidebar with a "Home" button. The main content area has a light blue background and is titled "EMPLOYEE INFORMATION". It contains a form with the following fields: "Employee id" (with the value "549" entered), "First Name:", "Last Name:", "Gender:", "Email:", "Phone Number:", "Employee Position", "Employee Department", "Joining Date", "CNIC No.:", "Education:", "Address:", "Country:", "City:", "Postal Code:", "Salary", and "Total Leave". There are two buttons: "Show Data" (teal) next to the "Employee id" field, and "Add Salary" (teal) at the bottom right of the form.

Update Information:

The screenshot shows a web application window titled "PAYROLL MANAGEMENT SYSTEM". On the left is a teal sidebar with a "Home" button. The main content area has a light blue background and is titled "UPDATE EMPLOYEE INFORMATION". At the top, there is a label "Employee id" followed by a dropdown menu showing "549" and a "Show Data" button. Below this, there are two columns of form fields. The left column contains: "First Name:", "Last Name:", "Gender:", "Email:", "Phone Number:", "Employee Position", and "Employee Department". The right column contains: "CNIC No.:", "Education:", "Address:", "Country:", "City:", "Postal Code:", and "Salary". Each field has a corresponding input box or dropdown. At the bottom center of the form is a teal "Update" button.

PAYROLL MANAGEMENT SYSTEM	
UPDATE EMPLOYEE INFORMATION	
Employee id	549 Show Data
First Name:	CNIC No.:
Last Name:	Education:
Gender:	Address:
Email:	Country:
Phone Number:	City:
Employee Position	Postal Code:
Employee Department	Salary
Update	

Delete Information:

The screenshot shows a web application window titled "PAYROLL MANAGEMENT SYSTEM". On the left is a teal sidebar with a "Home" button. The main content area has a light blue background and is titled "DELETE EMPLOYEE INFORMATION". At the top, there is a label "Employee id" followed by a dropdown menu showing "549" and a "Show Data" button. Below this, there are two columns of form fields. The left column contains: "First Name:", "Last Name:", "Gender:", "Email:", "Phone Number:", "Employee Department:", "Employee Position:", and "Salary:". The right column contains: "CNIC No.:", "Education:", "Address:", "Country:", "City:", "Postal Code:", "Joining Date:", and "Total Leave". Each field has a corresponding input box or dropdown. At the bottom center of the form is a teal "Delete" button.

PAYROLL MANAGEMENT SYSTEM	
DELETE EMPLOYEE INFORMATION	
Employee id	549 Show Data
First Name:	CNIC No.:
Last Name:	Education:
Gender:	Address:
Email:	Country:
Phone Number:	City:
Employee Department:	Postal Code:
Employee Position:	Joining Date:
Salary:	Total Leave
Delete	

Leave:

Leave

University Of Engineering And Technology Lahore, Narowal Campus

Home

EMPLOYEE LEAVE

Employee id

549

Leave Date To

30.04.2024

Leave Date From

30.04.2024

Total Leave

Reason

Add Data