**Project title**: EmployeeSalaryProject

**Introduction:**

This is a web application for calculating and maintaining salary data for employess working in an organization. Application is named: EmployeeSalaryProject

**Project Location:**

<https://bit.ly/3E1GYkN>

**Build status:**

Build is successful.

**Code style:**

Application has been developed in ASP.NET Core with C#. Application uses MVC model to communicate between front-end and back-end.

**Screenshots:**

*Home Screen:* Graphical user interface, application

Description automatically generated

Employee Details:

Table

Description automatically generated with medium confidence

Add New Employee:

Graphical user interface

Description automatically generated with medium confidence

Update Employee: Graphical user interface

Description automatically generated

Detaills (Salary History of specific employee): Graphical user interface, table

Description automatically generated

Delete Employee Confirmation Page:

Graphical user interface, waterfall chart

Description automatically generated

Add Salary History for an employee: Graphical user interface

Description automatically generated with medium confidence

Salary History for All Employees: Graphical user interface, application, Teams

Description automatically generated

Update Salary History: Chart, waterfall chart

Description automatically generated

Delete Salary History:

Graphical user interface, application

Description automatically generated

**Tech/framework used:**

ASP.NET Core

MVC

C#

HTML

SQL

CSS

**Features:**

***Web Application***

* Add/Update/Delete Employee
* Calculate Net salary and other salary components based on working hours and gross salary (for 40 hours per week salary is 100%)
* Export Employee Information in csv
* Add/Update/Delete Salary History
* Export Salary information for all or individual employee in csv

***Web API***

* Add/Update/Delete Employee via web API calls
* Export Salary information for individual employee in csv

**APIs Available:**

API Collection json provided.

[GET] https://employeesalaryproject.azurewebsites.net/api/EmployeeDetailsAPI

[POST] https://employeesalaryproject.azurewebsites.net/api/EmployeeDetailsAPI/CreateEmployee

Body:

{

"firstName": "string",

"lastName": "string",

"dateOfBirth": "DateTime",

"workingHours": int,

"grossSalary": double

}

[POST] https://employeesalaryproject.azurewebsites.net/api/EmployeeDetailsAPI/UpdateEmployee

Body:

{

"empId": int,

"workingHours": int,

"grossSalary": double

}

[DELETE] https://employeesalaryproject.azurewebsites.net/api/EmployeeDetailsAPI/DeleteEmployee/{empId}

[GET] [https://employeesalaryproject.azurewebsites.net/api/EmployeeDetailsAPI/ExportSalaryForEmployees/{empId}](https://employeesalaryproject.azurewebsites.net/api/EmployeeDetailsAPI/ExportSalaryForEmployees/%7bempId%7d)

Pre-Requisite:

SQL Server

Visual Studio 2019 or later

**Local Installation:**

1. Open the solution in visual studio (used 2019 community version while creating)
2. Publish the ‘EmployeeSalaryDatabase’ Project. This would create the local DB & tables in the default server (.) in SQL server on the machine.
3. Start the project from Visual Studio.
4. Data can be added from different pages of the application as required.