

# Documentation for Payroll Application

## 1.Introduction:

Payroll app to maintain the flow of the HR Management it has a feature of listing of employees, job titles library and generating the pay slip based on tax deduction and to print the pay slips etc.

## 2.Technology Utilized:

- a. ASP.Net MVC
- b. Entity Framework Core
- c. Database – SQL SERVER 2022
- d. JavaScript , jquery
- e. HTML & CSS

## 3.Architecture Utilized:

This project is based on 3-tier architecture which follows , Presentation(UI) - Business Logic – Database (SQLSERVER2022).

## 4.Database Design:

Database – Payroll Database

Tables –

1. JobTitlesLibrary
2. Employees

JobTitlesLibrary:

- ID (Primary Key)
- Code (Unique Key)
- Description
- Salary

Employees:

- ID (Primary Key)
- Code (Unique Key)
- Name
- JobTitleID (Foreign Key)
- YearsWorked

Note:

Payroll database is not created as it is not mentioned any attributes so only functioned as to print.

Relationship:

JobTitleLibrary – Employee -> One-Many Relationship

Where Employee can have only one JobTitle.

Eg: SDE – Mohamed Naveed

SDE- Kishore

Employee – Payroll -> One-Many Relationship

Where Employee can have many Payroll

## 5.Functionalities:

### **Job Title Library:**

- Add, Edit, and Delete Job Titles

### **Employee:**

- Add, Edit, and Delete Employee Records

### **Payroll:**

- Select an Employee, Month, and Year
- Enter Total Hours Worked
- Calculate Basic Salary, Housing Allowance, Transport Allowance, and Tax Deducted
- Generate Payroll Report \* will display calculated values to ***Print***

## 6.Conclusion:

This Application useful for the HR Management for tracking the employees and Assigning them their required Pay slips and for easy tax reduction and seamless tracking.