**Payroll Management System for Syncfusion Software Private Limited**

Need to prepare a console application for displaying employee details of Syncfusion Software Private Limited and to calculate the salary for an employee based on the worklog.

The application should allow to do below process.

## Main Menu

1. **Employee Registration**
2. **Employee Login**
3. **Exit**

## Employee Registration

On selecting “**Employee Registration**” option in the main menu need to get the below information

Need to get the below employee details.

* Full Name
* DOB
* MobileNumber
* Gender
* Branch
* Team

After getting the above information need to create employee object add to employee details list.

Finally show **“Employee added successfully your id is: SF3001”**

## Employee Login:

* On selection of 2 option in main menu ask user to enter Employee ID.
* Check whether the ID is valid. If invalid show” Invalid User ID”.
* If valid, then show the user following sub menu

**Add Attendance**

**Display Details**

**Calculate Salary**

**Exit**

1. **Add Attendance**

Need to ask the user whether he want to check-in.

* If he wants to check in – Then ask the user Date and time of check in.

After that ask the user whether he want to check out.

* If he wants to checkout means - Then ask the user Date and time of check out.
* Calculate Hours worked as the time difference between check in and out time.
* If Hours Worked is greater than 8 then take it as 8 hours.
* Create Attendance Object and add to list. Show **“Check-in and Checkout Successful and today you have worked 8 Hours”.**

1. **Display Details**

Traverse the Employee details list and show the Profile information of current logged in Employee.

1. **Calculate Salary**

* Traverse the Attendance Details List show the attendance details list of current users in the current month.
* Calculate the total number of hours worked in the current month.
* Finally show the total salary of the current user for the current month. Salary is Rs. 500 /Day (8 Hours).

1. **Exit**

Exit from submenu.

## Exit

Close the application.

## Employee Details Class

Properties:

* EmployeeID – (Auto Generated- SF3000)
* Full Name
* DOB
* MobileNumber
* Gender
* Branch – (Enum – Eymard, Karuna, Madhura)
* Team – (Network, Hardware, Developer, Facility)

Default Employee Details:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **EmployeeID** | **Full Name** | **DOB** | **MobileNumber** | **Gender** | **Branch** | **Team** |
| SF3001 | Ravi | 11/11/1999 | 9958858888 | Male | Eymard | Developer |

## Attendance Details Class

Properties:

* AttendanceID – AID1001
* EmployeeID
* Date
* CheckInTime
* CheckOutTime
* HoursWorked

Default Attendance Details:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AttendanceID** | **EmployeeID** | **Date** | **CheckInTime** | **CheckOutTime** | **HoursWorked** |
| AID1001 | SF3001 | 15/05/2022 | 09:00 AM | 6:10 PM | 8 |
| AID1002 | SF3002 | 16/05/2022 | 9:10 AM | 6:50 PM | 8 |

1. Understanding requirement document and Completion of entire scope of project

2. Coding guidelines followed

* + Including indentations of statements - Proper alignment
  + Design of proper user interface
  + Naming conventions
  + Exception handling - user of while tryparse
  + Method placement - Location of placement and completion of goal
  + XML comments
  + Default data adding
  + Proper program flow

3. Efficiently programmed - Use of desired algorithms

4. Cleanliness of the code - Orderliness, Comments, Removing unwanted codes, Error less code

5. Time taken for completion

6. No. Of Help points used