**Title:**

**“PayMentor Hub”**

**Description:**

**“**PayMentor is a comprehensive employee management and payment solution designed to streamline the process of managing employee information, tracking attendance, and facilitating salary payments within organizations. With PayMentor, employers can effortlessly manage employee details such as names, contact information, roles, and addresses**”**

**List of Modules:**

**✯** **Employee Management:**

**✯** **Attendance Tracking:**

**✯** **Salary Calculation:**

**✯ Add Data Into CSV FIle:**

**⏺Sub Modules of Employee Management:**

**⏩ Add Employee:**

**⏩ Delete Employee:**

**⏩ Update Employee:**

**⏩ View All Employee:**

**✯Add Employee:**

**✔Employee Class**:

Defines the Employee class with attributes such as Employee\_ID, name, PhoneNubr, role, and Address.

**✔AddEmployee** **Class**:

Inherits from the Employee class.

**✔AddDataIntoCsvFile** **Class**:

1. Contains methods to add employee data to a CSV file and retrieve data from it.
2. addData: Adds an employee's data to the CSV file.
3. getDtaFromCsvFile: Retrieves and prints all employee data from the CSV file.

**✔DeleteEmployee** **Class**:

1. Inherits from the AddDataIntoCsvFile class.
2. Provides a method DeleteEmploye to delete an employee's data from the CSV file based on the given Employee\_ID

**✔updataUser** **Class**:

1. Inherits from the AddDataIntoCsvFile class.
2. Provides a method updateData to update an employee's data in the CSV file based on the given Employee\_ID.

**✯ Attendance Tracking:**

**✔Attendance Class**:

Initializes an empty dictionary attendance\_data to store attendance information.

**✔take\_attendance() Method**:

1. Takes attendance for the current date.
2. Reads employee data from the employees.csv file and prompts the user to input attendance (Y/N) for each employee.
3. Constructs a list of tuples containing employee ID, attendance status, date, and time.
4. Stores the attendance data in the attendance\_data dictionary under the current date.

✔**save\_attendance\_to\_csv() Method**:

1. Reads employee data from the employees.csv file.
2. Checks if the "Attendance" column exists in the CSV file's header. If not, it adds the "Attendance", "Date", and "Time" columns.
3. Updates the attendance information for each employee in the CSV file based on the data stored in the attendance\_data dictionary.
4. Writes the updated data back to the employees.csv file.

Overall, this module allows you to track employee attendance for each day and update the attendance records in the CSV file accordingly.

**✯ Salary Calculation:**

**✔SalaryCalculator Class:**

Initializes an empty list employee\_data to store employee information.

**✔load\_employee\_data() Method**:

Loads employee data from the employees.csv file into the employee\_data list.

**✔record\_salary() Method**:

Prompts the user to input the salary for each employee and stores it in the corresponding employee's data dictionary.

**✔record\_hours\_worked() Method**:

Records the number of hours worked by each employee for the current day.

**✔save\_employee\_data() Method**:

Saves the updated employee data back to the employees.csv file.

**✔get\_total\_monthly\_income() Method**:

Calculates the total monthly income for all employees by summing up their salaries.

This module provides essential functionalities for managing employee salaries, recording hours worked, and calculating total monthly income. It interacts with the employees.csv file to store and retrieve employee data, ensuring accurate salary calculations and record-keeping.

**THANKS**