UCSI® University

INSTITUTE OF COMPUTER SCIENCE & DIGITAL INNOVATION

GROUP ASSIGNMENT

Course Code & Name   : CC215-Visual Basic .Net

Semester   : January – April 2022

Lecturer   : Sushant Chhetri

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Employee Management System

1. Background

With a management system, you can give them assurance that you will provide them with the essential time off to take care of any issues they have or take time off to vacation, recover from an illness, celebrate their festivals, deal with life events, or simply relax.

Employers are currently using book-keeping registers and excel sheets to manage personnel information. This method could achieve the same goal of managing and maintaining records; we might face many errors that make them inefficient. Thus, this project is designed to improve the present method.

When employees need it they just write it down on paper and submit it to the office. Then the administrator again registered the employee's in a book register. So while doing that sometimes admin could forget to register or the data may be lost.

2. Problem statement

In this current system, excel sheets and book registers are used for keeping the records and we encountered some problems in this method. First of all this method is manual employee management like using physical registers or excel sheets. Second, we do not have the facility of searching and retrieving the data. Data stored in physical registers or excel sheets do not have much security which could cause loss in datas.

Some leaves may or may not be compensated. In certain cases, paid and unpaid vacations are lumped together in the same category. As a result, it's feasible to underpay employees, especially if you don't have a mechanism to tell your payroll manager.
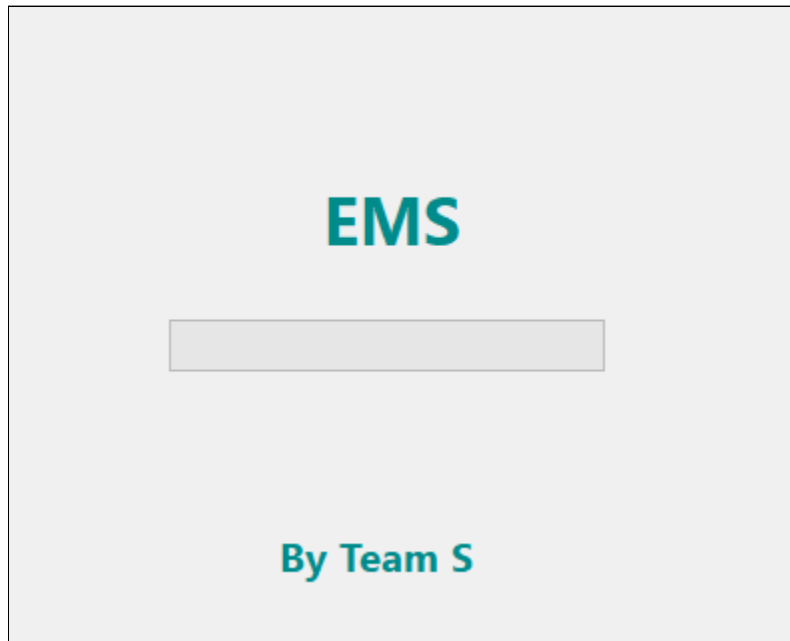
3. Objective

The EMS (Employee Management System) Project is a java-web application project that aims to replace outdated employee management systems like accounting registers and excel sheets.
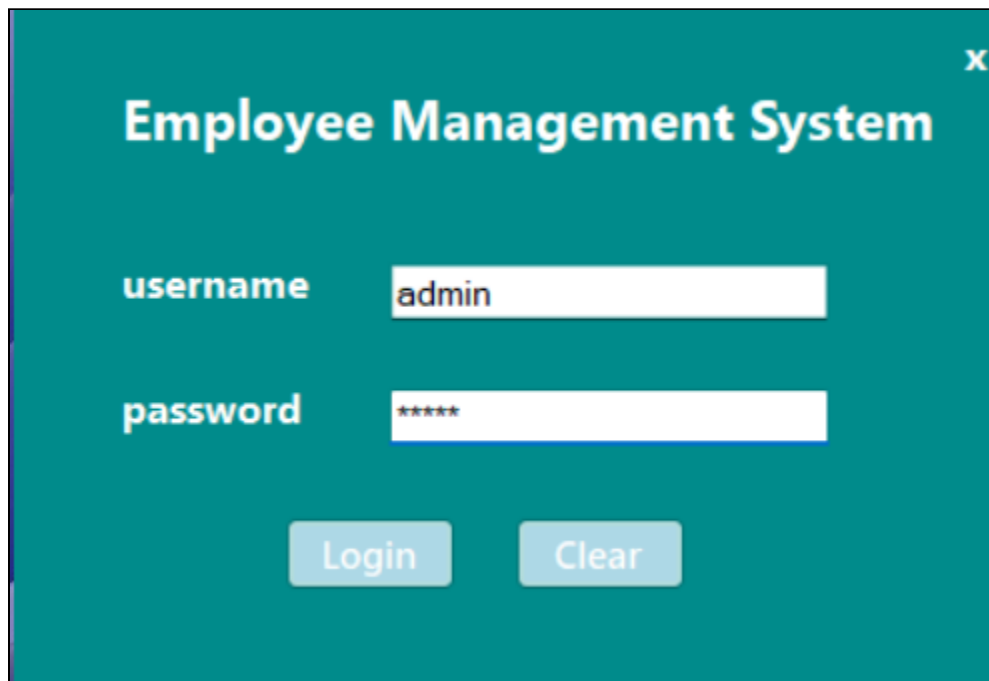
The HR department will find it easy to keep track of all workers in a firm using this application. Due to its computerized nature, accounting registers and the storage limits that come with them will be obsolete. Furthermore, the suggested application is an improvement over excel sheets, which demand more manual work from the user. Finally, it will enable the HR department to conveniently store and access employee data without incurring the expense of security breaches.

4. The System

a. Loading Screen

b. Login Screen

c. Main Screen

d. Manage Employee Module

Manage Employee

Connection Test Controls
Open Close Refresh

Home X

Employee Name

Gender

Address

Contact

Position

Department

id	EmpName	EmpAddress	Gender	Contact	Position	Department
1	Sandeep Dangol	Tokha	Male	984150214	Project Manager	IT
2	Sandeep Risal	Golfutar	Male	984120154	Tech Lead	IT
3	Sajak Acharya	Baneshwor	Male	984152451	Hiring Manager	Human Resource
4	Liza Maharjan	Lalitpur	Female	980254698	Senior Developer	IT
7	Sameen Shrestha	Samakhusi	Male	984152365	Graphic Designer	IT
8	Shubham Maharjan	Manila	Male	980254152	Sous Chef	Culinary
10	Kian Oridow	Manila	Female	984152154	Advertising Speci...	Quality Assurance
11	Linard Perez	Metro Manila	Male	984576254	Tech Lead	IT

Clear Text

Add Edit Delete

e. Employee Details Module

Employee Details

Home X

Employee ID 3 Search

Name Sajak Acharya   **Address** Baneshwor

Gender Male   **Contact** 984152451

Position Hiring Manager   **Department** Human Resource

Print Reset

f. Salary Module

5. Conclusion

The EMS project is a data management system that aims to replace the current and old methods of employee management. The EMS web application will make the process of managing and storing employee information easy and secure while addressing and solving issues with outdated systems.

6. Future work

For our future work on this system we have some features and upgrades we want to add to the system.

Such as:

I. Employee Login

II. Employee Profile

III. Salary Print

IV. Employee Details Print

7. References

[1] *Visual Basic docs - get started, tutorials, reference. (n.d.). Microsoft Docs.*
 https://docs.microsoft.com/en-us/dotnet/visual-basic/

[2] *VB.Net Programming Tutorial*. (n.d.). Tutorialspoint. Retrieved March 15, 2022, from
 https://www.tutorialspoint.com/vb.net/index.htm