

# SOFTWARE APPLICATION FOR STUDENT ATTENDANCE MANAGEMENT

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## Abstract

The main aim is to develop a web-based system such as student Attendance Management system to have an accurate number of daily attendance records of an educational organization. The main disparity between traditional attendance policy and this is accuracy. This system is saving our daily updated status of every single student. It provides complete transparency for organization and parents. By using this system. We gain a clear picture of every student attendance record. The main advantages of this system are we make all work paperless.

**Key Words:** optics, photonics, light, lasers, templates, journals

## 1.INTRODUCTION

This system helps you to get date-wise records of each student. We get the defaulter list at the end of each month. This project is based on vb.net, with the help of this project we can insert records of students. All entries of students and their status in the SQL database. In this project the student roll number is already given, we have just entered the status of that student that is particular roll number is present or absent on the same day. After adding the status of each roll number, when we submit it, we get the number of present and number of absent students.

[1]

## 2. OBJECTIVE

### OBJECTIVE OF THIS RESEARCH ARE:

- It gives detailing of present and absent students records.
- Educational Organization can easily adopt it.
- Reduces all the paper work and easily manageable.

## 3. METHODOLOGY

### The .NET Framework

The NET framework is open source for developers to create different types of applications. The.NET can use many language editors and libraries to build web, mobile applications and gaming. The latest NET framework version is 4.81. There are many languages used in. NET that are C #, F# and Visual Basic. It can use many language editors and a library to build web, mobile application and gaming websites.

This framework is developed by Microsoft, it runs on windows. It includes the main implementation of Common Language Infra structure (CLI) to build web, mobile application and for gaming. This framework is developed by Microsoft, it runs on windows. It includes a large class library known as Framework Class Library (FCL). The FCL gives new functionality that is each language can be used code written in another language called interoperability. The program is written in .NET Framework executed in Common Language Runtime (CLR). CLR provides services like security, exception handling, memory management. A programmer can produce any software by combining the source code with libraries and .NET. The Common Language Runtime

(CLR) is an environment that manages code execution and provides application-development services.

The .NET framework has various features like Interoperability, Language independency, portability.

TO begin, install the Visual Basic IDE on your machine, in that we can get various option to creating web, windows or console application. After selecting a particular option IDE is open for creating our application. In this IDE display list of tools that are used for creating Graphical User Interface (GUI). By using various tool, we can create interactive interface for user. Tools are mostly used are Button, Textbox, Input Box, List box Label, Timer, Message box, and many more. We can change the property of every control. properties are like color, font, size, name.

## OPENING WINDOW OF .NET APPLICATION

It includes following:

### 1.Solution Explorer:

To manage the projects and files within a solution we can solution explorer. It is very powerful tool of VB.NET. It is very essential part of VB development environment, it can quickly navigate between project references, file and it manages project setting.

By default, the Solution Explorer tool window appears as a pane in the upper-right side of the Visual Studio integrated development environment (IDE). If you don't see the Solution Explorer tool window, you can open it from the Visual Studio menu bar by using View > Solution Explorer, or by selecting Ctrl + Alt + L.

### 2.ToolBox:

The toolbox is use to show all the tool that are required to developed application.

### 3.Property Window:

The property window is used to display the different type of properties of selected controls.

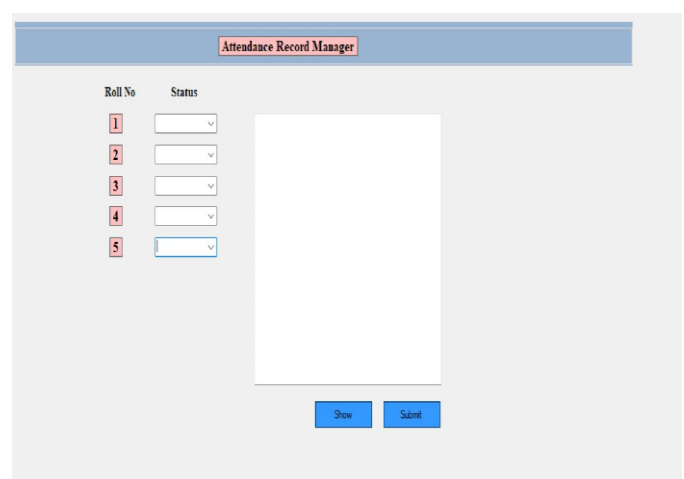
### MySQL:

The most common open-source database server is MySQL. we can query a database for specific information and get a record set back with MySQL. A database specific structure for storing data. MySQL is well-suited to both small and large application. It supports standard SQL queries.

[2]

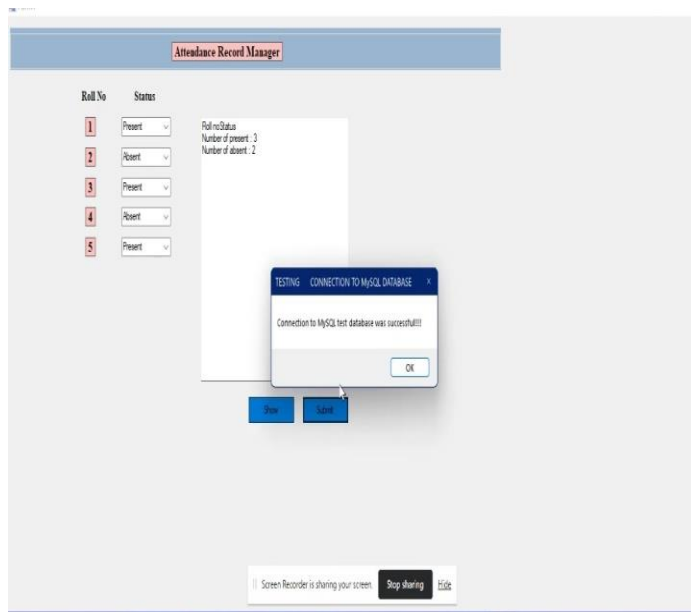
## 4. HOME PAGE

When the projects open, it will display the home page, with title Attendance Record Manager which has Roll No, and Status of student and two Buttons Show and Save.



**Fig- 4.1:** Figure

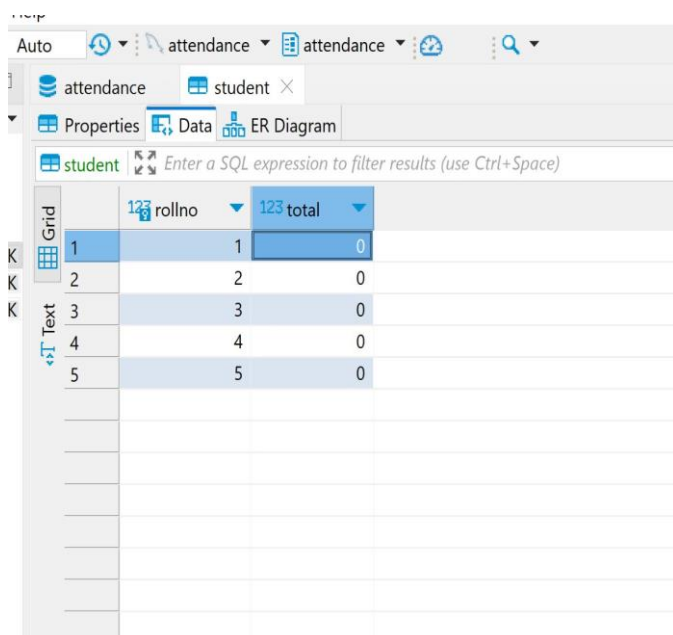
After the home we user update the status of each student when the user clicks on show button it will display total no of present as well as absent no of student.



**Fig- 4.2:** Figure

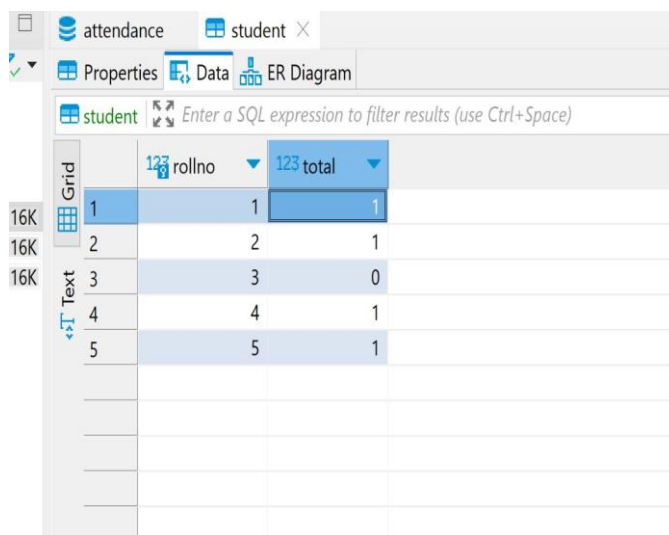
After displaying the status of each roll number, we user goes on submit button, it automatically updates database and displaying the message.

To create the database, go to the database and enter database name. The database is created when you provide the database name. after give name to database, it will be asking name for table ani column name, it include the field related to your project. For this project we need two fields one is Roll no and another one is Total present Days field.



**Fig- 4.3:** Figure

After updating the status of students and clicks on it display the message that records are update to the database, after updating it will automatically do changes in database, and showing the following figure with updated records.



rollno	total
1	1
2	2
3	3
4	4
5	5

**Fig- 4.4:** Figure

## 4. CONCLUSIONS

The User Interface of it is very friendly and can be easily used by anyone. It also decreases the amount of time taken to write details and other modules. All the details of attendance about students, and their other tasks can only be seen by the verified users.

## 5. References

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