Nikhil Badyal 001810501069

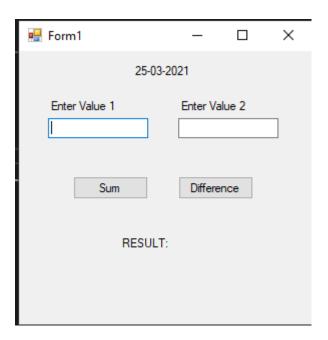
ASSIGNMENT-1 LAB REPORT

DBMS

Develop an application using Visual Basic as follows.

User will enter two numbers. Provide button to add or to find the difference. Depending on the option result will be shown in result box. Add a suitable title to the screen. Whenever the form is loaded, also display current date in the title bar

LAYOUT: -



COMPONENTS USED: -

Here I have used two input fields which are used to take two numbers, two button which are used to print the result (sum or difference) and two labels which are used to print result and date.

EVENT HANDLERS: -

The Buttons have event-Handlers associated with them. After the user types the input and clicks the button the event handler associated with them is called and the answer prints.

```
The event-handlers are show below: -
Private Sub sumButton_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles sumButton.Click

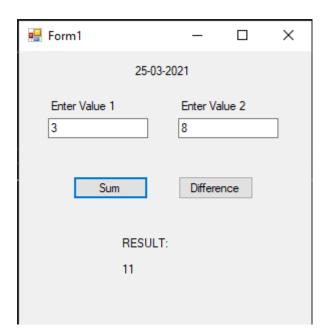
Private Sub diffButton_Click(ByVal sender As System.Object, ByVal e As
```

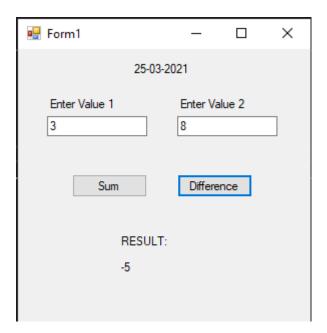
SPECIAL PROPERTIES

System.EventArgs) Handles diffButton.Click

Here I am displaying the current date on the top of the form.

RESULT: -



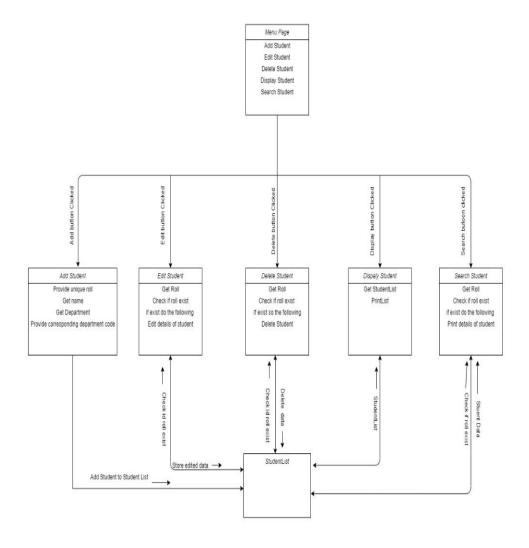


Q1. Consider list of departments (dept code and name), list of students (roll, dept code, name, address and phone) preloaded in array. Now develop an application for the following. User may add/search/edit/delete/display all student record. While adding, ensure roll must be unique, a list of dept name to be shown from which user selects one and corresponding dept code to be stored. On collecting the data user may choose CANCEL/SAVE button to decide course of action. For searching user provides roll. If it exists details are shown else suitable message to be displayed. To delete user provides roll. If it does not exist then suitable message is to be displayed. To edit also user provides roll. If it exists user may be allowed to edit any field except roll. User may select CANCEL/SAVE to decide course of action. To display all records, at a time five records are to be shown. IT will also have PREV/NEXT button to display previous set and next set respectively. When first set is displayed PREV button must be disabled and at last set NEXT button must be

disabled.

SCHEMATIC DIAGRAM: -

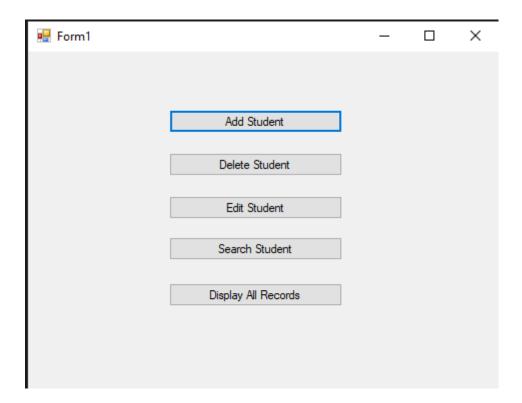




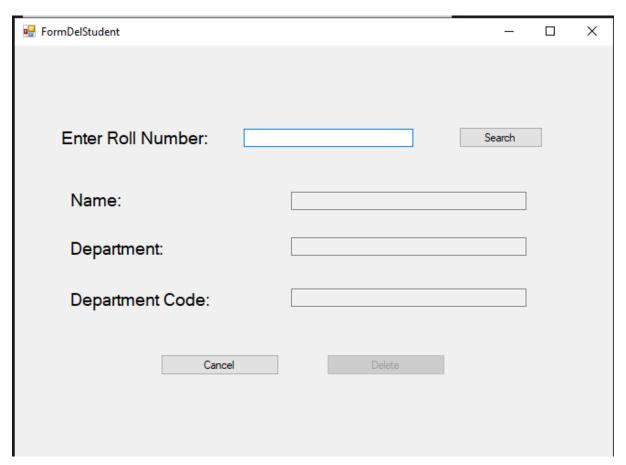


LAYOUT:-

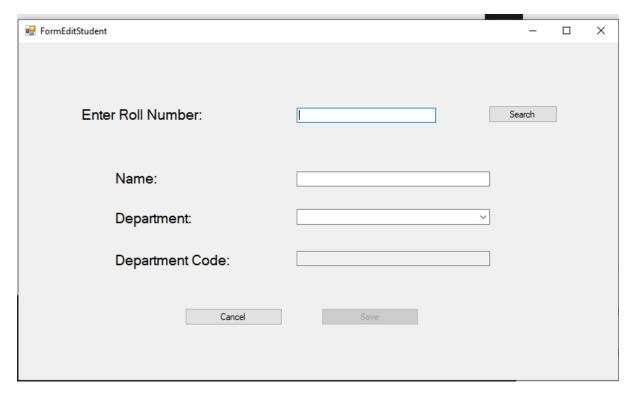
MENU PAGE:-



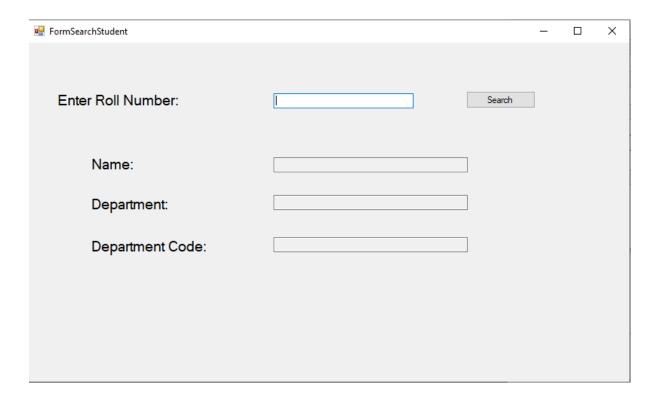
DELETE STUDENT PAGE:-



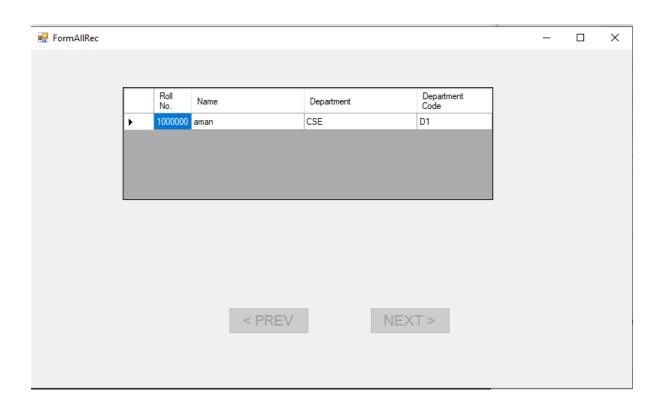
EDIT STUDENT PAGE:-



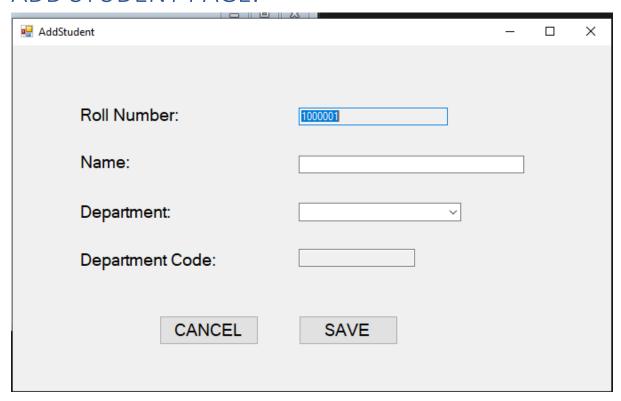
SEARCH STUDENT PAGE:-



DISPLAY PAGE:-



ADD STUDENT PAGE:-



COMPONENTS USED:-

Here collectively I have used input fields (textbox and dropdown) which are used to take input from users, button which are used to print the result and two labels which are used to print result.

EVENT HANDLERS:-

The Buttons have event-Handlers associated with them. After the user types the input and clicks the button the event handler associated with them is called and the answer prints.

The event-handlers are show below:-

MENU-PAGE

```
Private Sub addst_Click(sender As Object, e As EventArgs) Handles addst.Click
End Sub

Private Sub delst_Click(sender As Object, e As EventArgs) Handles delst.Click
End Sub

Private Sub editst_Click(sender As Object, e As EventArgs) Handles editst.Click
End Sub

Private Sub srchst_Click(sender As Object, e As EventArgs) Handles srchst.Click
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
End Sub

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
End Sub
```

ADD-PAGE

```
Private Sub FormAddStudent_Load(sender As Object, e As EventArgs) Handles MyBase.Load End Sub

Private Sub dept_SelectedIndexChanged(sender As Object, e As EventArgs) Handles dept.SelectedIndexChanged End Sub

Private Sub btn_cancel_Click(sender As Object, e As EventArgs) Handles btn_cancel.Click End Sub

Private Sub btn_save_Click(sender As Object, e As EventArgs) Handles btn_save.Click End Sub
```

DELETE-PAGE

End Sub

```
Private Sub search_del_Click(sender As Object, e As EventArgs) Handles
search del.Click
    End Sub
    Private Sub del_cancel_Click(sender As Object, e As EventArgs) Handles
del_cancel.Click
    End Sub
    Private Sub del save Click(sender As Object, e As EventArgs) Handles
del save.Click
    End Sub
    Private Sub FormDelStudent_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
    End Sub
DISPLAY-PAGE
Private Sub prev_btn_Click(sender As Object, e As EventArgs) Handles prev_btn.Click
    Private Sub next_btn_Click(sender As Object, e As EventArgs) Handles
next_btn.Click
    End Sub
    Private Sub FormAllRec Load(sender As Object, e As EventArgs) Handles MyBase.Load
    End Sub
    Private Sub records CellContentClick(sender As Object, e As
DataGridViewCellEventArgs) Handles records.CellContentClick
    End Sub
EDIT-PAGE
Private Sub search_edit_Click(sender As Object, e As EventArgs) Handles
search edit.Click
    End Sub
    Private Sub edit_cancel_Click(sender As Object, e As EventArgs) Handles
edit cancel.Click
    End Sub
    Private Sub edit_save_Click(sender As Object, e As EventArgs) Handles
edit_save.Click
    End Sub
    Private Sub edit_dept_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles edit_dept.SelectedIndexChanged
    End Sub
    Private Sub FormEditStudent_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
```

SEARCH-PAGE

Private Sub search_Click(sender As Object, e As EventArgs) Handles search.Click
 End Sub

SPECIAL PROPERTIES

Any error msg will be shown in a message dialogue box and if user enters a roll that does not exist in case editing, deleting or searching record of a student.