Anthony Meunier

DeVry University

DBM 405A

Week 6 Course Project

Write the Add/Change/Delete Routines

Writing the add/change/delete routines was fairly straightforward in this week’s course project milestone. Because I am using Windows Forms pages to serve as the interface for each respective table in the database, I simply had to write the routines one time (add, update/modify, delete) and then transpose them into the other Forms pages and then change the appropriate text to have them match the appropriate table and columns within the database. I have included in these routines a try/catch block that will either show an error if the data cannot be manipulated in the desired way or a window pop-up that displays a message to notify the user that changes have been made. In this example screenshots I will attach, you can see this process for each of the three routines. First I show the table as-is, type in the new information, press the appropriate button, display the successful message, show the table after the refresh button has been pressed, and also note the changes in the database application (Workbench) itself after we refresh in there. Project files will be included and comments have been updated to demonstrate use and effects of the buttons for the routines. For the sake of space, I showed each of the routines functioning in one of the project tables, but since the code is appropriately updated in all Forms pages we can know that the routines are effective there as well. Again, project files will be attached with submission for full code if needed. Here I will paste each of the routines from Visual Basic for my “Project” table of the database:

'Add data on button click

Private Sub Button3\_Click(sender As Object, e As EventArgs) Handles Button3.Click

MysqlConn = New MySqlConnection

MysqlConn.ConnectionString = "server=localhost; userid=root; password=password1; database=payroll;"

Dim READER As MySqlDataReader

Try

MysqlConn.Open()

Dim Query As String

Query = "insert into payroll.project (ProjectNumber, ProjectName, ProjectManager) values ('" & TextBox\_ProjectNumber.Text & "', '" & TextBox\_ProjectName.Text & "', '" & TextBox\_ProjectManager.Text & "')"

COMMAND = New MySqlCommand(Query, MysqlConn)

READER = COMMAND.ExecuteReader

MessageBox.Show("Data Added")

MysqlConn.Close()

Catch ex As Exception

MessageBox.Show(ex.Message)

Finally

MysqlConn.Dispose()

End Try

End Sub

'Update data on button click

Private Sub Button4\_Click(sender As Object, e As EventArgs) Handles Button4.Click

MysqlConn = New MySqlConnection

MysqlConn.ConnectionString = "server=localhost; userid=root; password=password1; database=payroll;"

Dim READER As MySqlDataReader

Try

MysqlConn.Open()

Dim Query As String

Query = "update payroll.project set ProjectNumber='" & TextBox\_ProjectNumber.Text & "', ProjectName='" & TextBox\_ProjectName.Text & "', ProjectManager='" & TextBox\_ProjectManager.Text & "' where ProjectNumber='" & TextBox\_ProjectNumber.Text & "'"

COMMAND = New MySqlCommand(Query, MysqlConn)

READER = COMMAND.ExecuteReader

MessageBox.Show("Data Modified")

MysqlConn.Close()

Catch ex As Exception

MessageBox.Show(ex.Message)

Finally

MysqlConn.Dispose()

End Try

End Sub

'Delete data on button click

Private Sub Button5\_Click(sender As Object, e As EventArgs) Handles Button5.Click

MysqlConn = New MySqlConnection

MsqlConn.ConnectionString = "server=localhost; userid=root; password=password1; database=payroll;"

Dim READER As MySqlDataReader

Try

MysqlConn.Open()

Dim Query As String

Query = "Delete from payroll.project where ProjectNumber='" & TextBox\_ProjectNumber.Text & "'"

COMMAND = New MySqlCommand(Query, MysqlConn)

READER = COMMAND.ExecuteReader

MessageBox.Show("Data Deleted")

MysqlConn.Close()

Catch ex As Exception

MessageBox.Show(ex.Message)

Finally

MysqlConn.Dispose()

End Try

End Sub





























