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DBM 405A

Week 7 Course Project

Write the Report

I chose to use DataGridViews to serve as the container for my data to fill into for this week’s course project milestone of creating a report to print/display the data from each table in the database. For these DataGridViews, I had one to coincide with each of the tables in my database, therefore you will find the DataGridView and the correct data for each table on each respective Forms page (i.e., “Department” Forms page loads department table data to DataGridView). In addition, I added two separate code blocks that load/display this data. First we have a structure that responds to a button press to load/refresh the data in the table/gridview. Second is a structure that automatically populates the DataGridViews upon loading each Forms page. Therefore we always have the data displayed to us on each respective Forms page, and then also have a button to refresh the data display if we have made changes using the add/change/delete routines. In addition, the “main menu” Forms page displays all data for all tables, all on the same page upon loading said page. Please see the code segment below for an example of one of my page’s DataGridView; first displaying the data on button press, and then just automatically loading/populating upon page load as well.

Code for one page is provided as the routines are the same for every other page except for switching the query to name the appropriate table.

Screenshots for each page successfully displaying the data will be provided below:

'Fill DataGridView with MySQL table values when using "Refresh" button-click

Private Sub Load\_Table\_Btn\_Click(sender As Object, e As EventArgs) Handles Load\_Table\_Btn.Click

MysqlConn = New MySqlConnection

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

'Connect DataGridView with database table

'Get data with adapter

Dim SDA As New MySqlDataAdapter

'Bind data from adapter to DataGridView

Dim dbDataSet As New DataTable

Dim bSource As New BindingSource

Try

'Open connection to database

MysqlConn.Open()

'Declare query

Dim Query As String

'Query that will pull from database and return to DataGridView

Query = "select \* from payroll.department"

COMMAND = New MySqlCommand(Query, MysqlConn)

SDA.SelectCommand = COMMAND

'Take values from query and fill to DataSet

SDA.Fill(dbDataSet)

'Bind DataSet to DataGridView

bSource.DataSource = dbDataSet

DataGridView1.DataSource = bSource

SDA.Update(dbDataSet)

MysqlConn.Close()

Catch ex As Exception

MessageBox.Show(ex.Message)

Finally

MysqlConn.Dispose()

End Try

End Sub

'Automatically load DataGridView upon page creation/load (same as above, just automatic and does not require refresh button press)

Private Sub load\_table()

MysqlConn = New MySqlConnection

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

Dim SDA As New MySqlDataAdapter

Dim dbDataSet As New DataTable

Dim bSource As New BindingSource

Try

MysqlConn.Open()

Dim Query As String

Query = "select \* from payroll.department"

COMMAND = New MySqlCommand(Query, MysqlConn)

SDA.SelectCommand = COMMAND

SDA.Fill(dbDataSet)

bSource.DataSource = dbDataSet

DataGridView1.DataSource = bSource

SDA.Update(dbDataSet)

MysqlConn.Close()

Catch ex As Exception

MessageBox.Show(ex.Message)

Finally

MysqlConn.Dispose()

End Try

End Sub









