

BCS 450 C# Lab – WPF DataGrid

Overview

Create a WPF application in C# using Visual Studio. You will write a WPF application that contains a DataGrid that will display data from an existing database.

Part 1 – Create the database

1. Create a database in SQL Server Express. Name the database Employee.
2. Add a table to the database. Name the table Employee.
3. Add the fields to the table (see specifications below).
4. Add a few rows of data to the table.

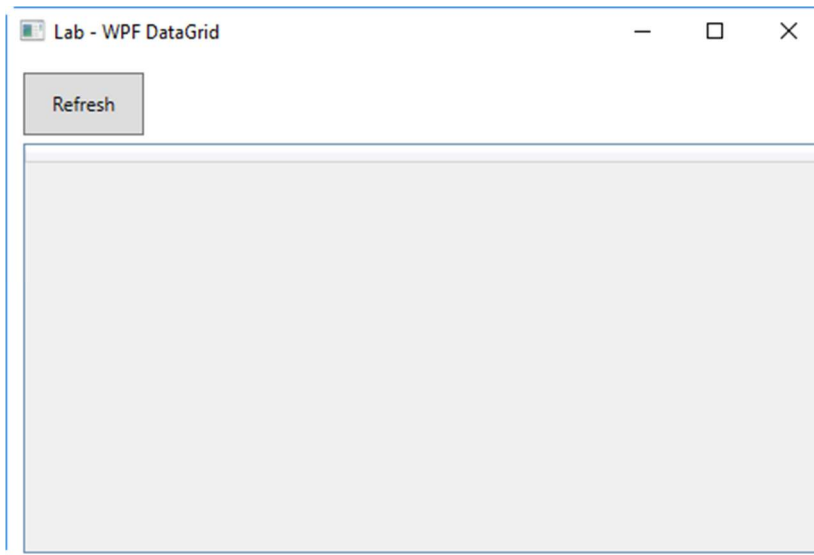
<u>Field Name</u>	<u>Datatype</u>
First	Text
Last	Text
Salary	Numeric(18,2)

Part 2 – Create the Application

Create a C# WPF application in Visual Studio. Name the application Lab-DataGrid.

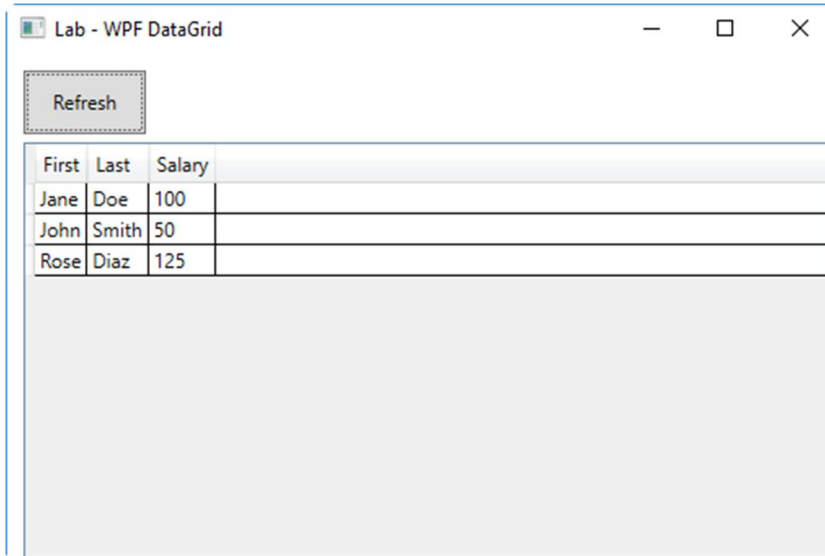
Part 3 – Create the WPF User Interface

1. Add a DataGrid control to the window.
2. Change the name of the DataGrid to DataGridEmployee.
3. Add a Button control to the window. Set the text on the button to “Refresh”.
4. Change the name of the Button to ButtonRefresh.



Part 4 – Refresh Button

Add an event handler to the Refresh button that will fill the data grid with data from the Employee table of the Employee database. Check the ADO.NET slides for help. Here is what it should look like after pressing the Refresh button:



Part 5 – Add More Data

Go into SQL Server Express and add more data while the WPF DataGrid application is running. The new data will not appear in the DataGrid until you click the Refresh button.

Part 5 – Clear Database

Add a “Delete All Employees” button to the window. When this button is pressed it should delete all rows from the Employee table in the database. Check the ADO.NET slides for help.