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MINI PROJECT
C# Programming (.NET)

Q. Create a Desktop application for ISL dictionary using Windows and C#.Net.

Windows App Design:

Codes:

App Config file

```csharp
using System;
using System.Windows.Forms;
using MySql.Data.MySqlClient;
using System.Configuration;

namespace CSharp_MiniProject__ISL_Dictionary_
{
    public partial class ISL_Dictionary : Form
    {
        //connect between C# .NET and mySQL
        MySqlConnection sqlcon;
        public ISL_Dictionary()
        {
            InitializeComponent();

            //access mySQL database
            string maincon =
ConfigurationManager.ConnectionStrings["myDatabaseConnection"].ConnectionStr
ing;
            sqlcon = new MySqlConnection(maincon);
            sqlcon.Open();
        }

        private void ISL_Dictionary_Load(object sender, EventArgs e)
        {
            //============================== X
==============================//
                                            /*
            string server = "localhost";
            string database = "isl_dictionary_tb";
            string userid = "root";
            string password = "-";
            ConnectionString = "Server=" + server + ";Database=" + database
+ ";UserID=" + userid + ";Password=" + password + ";";
                                            */
            //============================== X
==============================//
            MySqlCommand wcmd = new MySqlCommand("SELECT dWords FROM
vocbulary_tb", sqlcon);
            MySqlDataReader reader = wcmd.ExecuteReader();

            //display list of the items
            while(reader.Read())
                lstISLwords.Items.Add(reader.GetString(0));

            sqlcon.Close();
            //stop accessing the database
        }

        private void lstISLwords_SelectedIndexChanged(object sender,
EventArgs e)
        {

            /*it is difficult to fix how to retrieve videos from database
using these programs it isn't connecting it to retrieve them. I attempted
```

```csharp
            many times, but it failed. I may not know what keywords are used to MySQL
database.
            */

            /*
            if(lstISLwords.SelectedItem != null)
            {
                MySqlCommand vcmd = new MySqlCommand("SELECT wVideos, Name
from vocbulary_tb WHERE dWord = '"+lstISLwords.Text+"')", sqlcon);
                MySqlDataReader reader = vcmd.ExecuteReader();

                while (reader.Read())
                    WMP_ISLVideos.URL = @"wVideo";

                sqlcon.Close();
            }
            */

            //it is easy to retrieve the video using array. I need to use
mySQL instead of array on C# code.
            WMP_ISLVideos.URL = @"C:\Users\Asus\Documents\B.Sc Project &
Exercises\Programming in C#\CSharp_MiniProject (ISL
Dictionary)\ISLVIdeos\1_super_computer.mp4";
        }

        private void btnSearch_Click(object sender, EventArgs e)
        {

            //it isn't working to search it, I don't know if it is error or
unrelated code
            for (int i = lstISLwords.Items.Count - 1; i >= 0; i++)
            {
                if
(lstISLwords.Items[i].ToString().ToLower().Contains(txtSearch.Text.ToLower()
))
                {
                    lstISLwords.SetSelected(i, true);
                }
                else
                {
                    MessageBox.Show("No word found", "No Found");
                }
            }
        }

        private void btnPlay_Click(object sender, EventArgs e)
        {
            //control to play video
            WMP_ISLVideos.Ctlcontrols.play();
        }

        private void btnPause_Click(object sender, EventArgs e)
        {
            //control to pause video
            WMP_ISLVideos.Ctlcontrols.pause();
        }

        private void btnStop_Click(object sender, EventArgs e)
```

```csharp
        {
            //control to stop video
            WMP_ISLVideos.Ctlcontrols.stop();
        }

        private void btnClose_Click(object sender, EventArgs e)
        {
            //click to exit all apps
            Application.Exit();
        }
    }
}
```
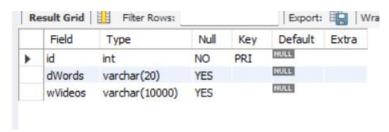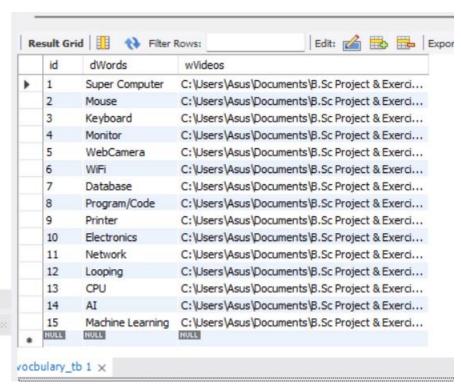
SQL:

DESC isl_dictionary_db.vocbulary_tb;

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
dWords	varchar(20)	YES		NULL	
wVideos	varchar(10000)	YES		NULL	

SELECT * FROM isl_dictionary_db.vocbulary_tb;

id	dWords	wVideos
1	Super Computer	C:\Users\Asus\Documents\B.Sc Project & Exerci...
2	Mouse	C:\Users\Asus\Documents\B.Sc Project & Exerci...
3	Keyboard	C:\Users\Asus\Documents\B.Sc Project & Exerci...
4	Monitor	C:\Users\Asus\Documents\B.Sc Project & Exerci...
5	WebCamera	C:\Users\Asus\Documents\B.Sc Project & Exerci...
6	WiFi	C:\Users\Asus\Documents\B.Sc Project & Exerci...
7	Database	C:\Users\Asus\Documents\B.Sc Project & Exerci...
8	Program/Code	C:\Users\Asus\Documents\B.Sc Project & Exerci...
9	Printer	C:\Users\Asus\Documents\B.Sc Project & Exerci...
10	Electronics	C:\Users\Asus\Documents\B.Sc Project & Exerci...
11	Network	C:\Users\Asus\Documents\B.Sc Project & Exerci...
12	Looping	C:\Users\Asus\Documents\B.Sc Project & Exerci...
13	CPU	C:\Users\Asus\Documents\B.Sc Project & Exerci...
14	AI	C:\Users\Asus\Documents\B.Sc Project & Exerci...
15	Machine Learning	C:\Users\Asus\Documents\B.Sc Project & Exerci...
NULL	NULL	NULL

vocbulary_tb 1 ✕

Output (O/P)