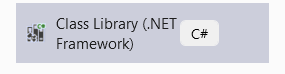
**ÔN TẬP XỬ LÝ DỮ LIỆU C# TƯƠNG TÁC CSDL SQL SERVER 2022**



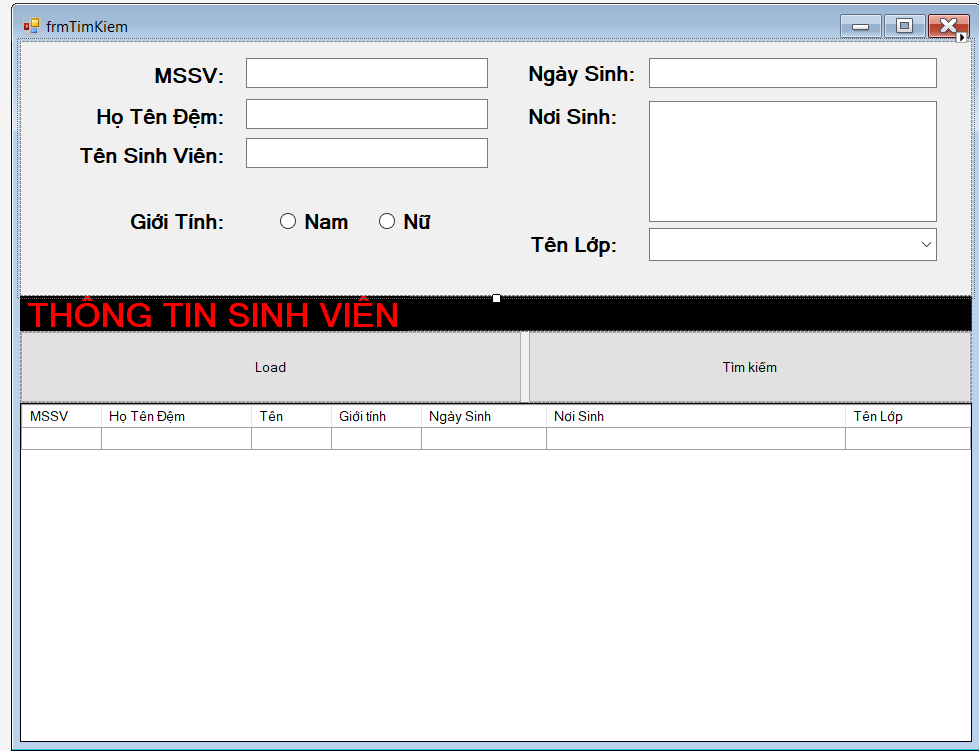
BUS

DAL

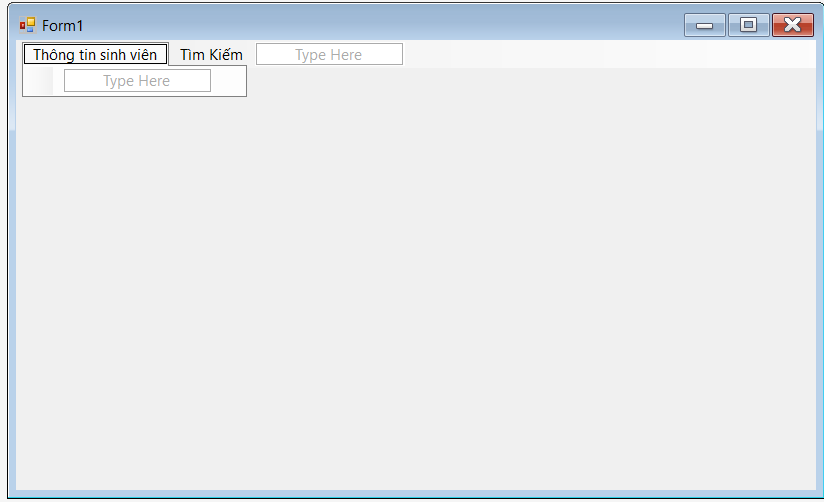
Entity

Tạo xong xoá class

Lưu ý:Thay đổi Các Class trong 3 file Library trên từ internal thành public



Giao Diện 2 From Con



From Main

Trong DAL tạo KetNoiDB.cs

using System.Data;

using System.Data.SqlClient;

1. public class KetNoiDB
2. {
3. public static SqlConnection connect;
5. public static void MoKetNoi()
6. {
7. if (KetNoiDB.connect == null)
8. KetNoiDB.connect = new SqlConnection("Server=FIT\\FIT1;Database=ThongTin;User Id=sa;Password=123456");
9. if (KetNoiDB.connect.State != ConnectionState.Open)
10. KetNoiDB.connect.Open();
11. }
13. public void DongKetNoi()
14. {
15. if (KetNoiDB.connect != null)
16. {
17. if (KetNoiDB.connect.State == ConnectionState.Open)
18. KetNoiDB.connect.Close();
19. }
20. }
22. //Insert, update, delete
23. public void ThucThiCauLenhSQL(string strSQL)
24. {
25. try
26. {
27. MoKetNoi();
28. SqlCommand sqlcmd = new SqlCommand(strSQL, connect);
29. sqlcmd.ExecuteNonQuery();
30. DongKetNoi();
31. }
32. catch
33. {
34. //câu thông báo
35. }
36. }
38. public DataTable GetDataTable(string strSQL) //select...
39. {
40. try
41. {
42. MoKetNoi();
43. DataTable dt = new DataTable();
44. SqlDataAdapter sqlda = new SqlDataAdapter(strSQL, connect);
45. sqlda.Fill(dt);
46. DongKetNoi();
47. return dt;
48. }
49. catch
50. {
51. return null;
52. }
53. }
55. public string GetValue(string strSQL)// select
56. {
57. string temp = null;
58. MoKetNoi();
59. SqlCommand sqlcmd = new SqlCommand(strSQL, connect);
60. SqlDataReader sqldr = sqlcmd.ExecuteReader();
61. while (sqldr.Read())
62. temp = sqldr[0].ToString();
63. DongKetNoi();
64. return temp;
65. }
66. }

Tại Entity Tạo EC\_tbl<Tên Bảng>

1. public class EC\_tbl\_SinhVien
2. {
3. //quét BD
4. private string \_MaSV;
5. private string \_HoSV;
6. private string \_TenSV;
7. private string \_Phai;
8. private string \_NgaySinh;
9. private string \_NoiSinh;
10. private string \_MaLop;
11. //quét KT + tổ hợp phím //Ctrl + (R + E) => Apply
13. public string MaSV { get => \_MaSV; set => \_MaSV = value; }
14. public string HoSV { get => \_HoSV; set => \_HoSV = value; }
15. public string TenSV { get => \_TenSV; set => \_TenSV = value; }
16. public string Phai { get => \_Phai; set => \_Phai = value; }
17. public string NgaySinh { get => \_NgaySinh; set => \_NgaySinh = value; }
18. public string NoiSinh { get => \_NoiSinh; set => \_NoiSinh = value; }
19. public string MaLop { get => \_MaLop; set => \_MaLop = value; }
21. }

Quay lại DAL

Build Entity ra add vào DAL

Tạo file xử lý có tên: SQL\_<Tên Bảng>

Ví dụ: SQL\_tbl\_<Tên Bảng>

using Entity; // có thể thay đổi dựa vào tên đã đặt

using System.Data;

1. public class SQL\_tbl\_SinhVien
2. {
3. KetNoiDB cn = new KetNoiDB();
4. public void ThemDuLieu(EC\_tbl\_SinhVien et)
5. {
6. cn.ThucThiCauLenhSQL(@"INSERT INTO SinhVien (MaSV, HoSV, TenSV, Phai, NgaySinh, NoiSinh, MaLop) VALUES ('" + et.MaSV + "',N'" + et.HoSV + "',N'" + et.TenSV + "',N'" + et.Phai + "',N'" + et.NgaySinh + "',N'" + et.NoiSinh + "','" + et.MaLop + "')");
7. }
8. public void SuaDuLieu(EC\_tbl\_SinhVien et)
9. {
10. cn.ThucThiCauLenhSQL(@"UPDATE SinhVien SET HoSV = N'" + et.HoSV + "', TenSV = N'" + et.TenSV + "', Phai = N'" + et.Phai + "', NgaySinh = N'" + et.NgaySinh + "', NoiSinh = N'" + et.NoiSinh + "', MaLop = '" + et.MaLop + "' WHERE MaSV = '" + et.MaSV + "'");
11. }
12. public void XoaDuLieu(EC\_tbl\_SinhVien et)
13. {
14. cn.ThucThiCauLenhSQL(@"DELETE FROM SinhVien WHERE MaSV='" + et.MaSV + "'");
15. }
17. public DataTable TaoBang(string DieuKien)
18. {
19. return cn.GetDataTable(@"select MaSV, HoSV ,TenSV ,Phai ,NgaySinh ,NoiSinh, lop.TenLop as TenLop from SinhVien,lop " + DieuKien);
20. }
22. public DataTable Dodulieuvaocbb(string DieuKien)
23. {
24. return cn.GetDataTable(@"select distinct (TenLop) from lop" + DieuKien);
25. }
27. public DataTable TimKiem(string DieuKien)
28. {
29. return cn.GetDataTable(@"select \* from SinhVien " + DieuKien);
30. }
31. }

Vào BUS Tạo BUS\_tbl\_<Tên Bảng>

Build DAL và Entity ra add vào BUS

using DAL;

using Entity;

using System.Data;

1. public class BUS\_tbl\_SinhVien
2. {
3. SQL\_tbl\_SinhVien sql = new SQL\_tbl\_SinhVien();
5. //báo thư viện using QuanLyBanHangEntity;
6. //Hàm thêm dữ liệu
7. public void ThemDuLieu(EC\_tbl\_SinhVien et)
8. {
9. sql.ThemDuLieu(et);
10. }
12. //Hàm sửa
13. public void SuaDuLieu(EC\_tbl\_SinhVien et)
14. {
15. sql.SuaDuLieu(et);
16. }
18. //Hàm xoá
19. public void XoaDuLieu(EC\_tbl\_SinhVien et)
20. {
21. sql.XoaDuLieu(et);
22. }
24. //Hàm lấy dữ liệu khai báo thư viện using System.Data;
25. public DataTable TaoBang(string DieuKien)
26. {
27. return sql.TaoBang(DieuKien);
28. }
30. public DataTable Dodulieuvaocbb(string DieuKien)
31. {
32. return sql.Dodulieuvaocbb(DieuKien);
33. }
35. public DataTable TimKiem(string DieuKien)
36. {
37. return sql.TimKiem(DieuKien);
38. }
39. }

 Code Mở From Khác

1. foreach (Form frm in this.MdiChildren)
2. frm.Close();
3. this.Visible = false; // frm đầu đóng đi
4. frmSinhVien fr = new frmSinhVien();
5. fr.ShowDialog();
6. this.Visible = true; // khi tắt sẽ mở

1. using System;
2. using System.Collections.Generic;
3. using System.ComponentModel;
4. using System.Data;
5. using System.Drawing;
6. using System.Linq;
7. using System.Text;
8. using System.Threading.Tasks;
9. using System.Windows.Forms;
10. using BUS;
11. using Entity;
13. namespace OnTapKTLan2
14. {
15. public partial class frmSinhVien : Form
16. {
17. public frmSinhVien()
18. {
19. InitializeComponent();
20. }
21. BUS\_tbl\_SinhVien bus = new BUS\_tbl\_SinhVien();
22. EC\_tbl\_SinhVien ec = new EC\_tbl\_SinhVien();
23. bool themmoi;
24. string gioitinh;
25. void KhoaDieuKhien()
26. {
27. txtMSSV.Enabled = false;
28. txtHoten.Enabled = false;
29. groupBox1.Enabled = false;
30. dtNgaySinh.Enabled = false;
31. txtNoiSinh.Enabled = false;
32. cbbTenLop.Enabled = false;
34. btnAddNew.Enabled = true;
35. btnSave.Enabled = false;
36. btnUpdate.Enabled = true;
37. btnDelete.Enabled = true;
38. }
40. void MoDieuKhien()
41. {
42. txtMSSV.Enabled = true;
43. txtHoten.Enabled = true;
44. groupBox1.Enabled = true;
45. dtNgaySinh.Enabled = true;
46. txtNoiSinh.Enabled = true;
47. cbbTenLop.Enabled = true;
49. btnAddNew.Enabled = false;
50. btnSave.Enabled = true;
51. btnUpdate.Enabled = false;
52. btnDelete.Enabled = false;
53. }
55. void setnull()
56. {
57. txtMSSV.Text = "";
58. txtHoten.Text = "";
59. gioitinh = "NULL";
60. dtNgaySinh.Text = "";
61. txtNoiSinh.Text = "";
62. cbbTenLop.Text = "";
63. }
64. void hienthi(string where)
65. {
66. dgvDS.DataSource = bus.TaoBang(where);
67. }
69. void loadcbb(string where)
70. {
71. cbbTenLop.DisplayMember = "TenLop";
72. cbbTenLop.DataSource = bus.Dodulieuvaocbb(where);
73. cbbTenLop.SelectedIndex = 0;
74. }
76. private void frmSinhVien\_Load(object sender, EventArgs e)
77. {
78. KhoaDieuKhien();
79. hienthi("where sinhvien.MaLop = lop.MaLop");
80. loadcbb("");
81. dtNgaySinh.Value = DateTime.Today; // Lấy ngày hiện tại
82. }
84. private void btnAddNew\_Click(object sender, EventArgs e)
85. {
86. MoDieuKhien();
87. setnull();
88. themmoi = true;
89. }
91. public bool kiemtra()
92. {
93. if (String.IsNullOrWhiteSpace(txtMSSV.Text))
94. {
95. MessageBox.Show("Bạn chưa nhập mã số sinh viên \n Mã số sinh viên là bắt buộc", "Thông báo", MessageBoxButtons.OK, MessageBoxIcon.Error);
96. txtMSSV.Focus();
97. return false;
98. }
100. if (txtHoten.TextLength <= 2)
101. {
102. MessageBox.Show("Họ Tên phải ít nhất 2 từ");
103. txtHoten.Focus();
104. return false;
105. }
107. DateTime n = DateTime.Now;
108. int age = n.Year - dtNgaySinh.Value.Year;
110. if (age <= 18)
111. {
112. MessageBox.Show("Tuổi phải lớn hơn 18");
113. dtNgaySinh.Focus();
114. return false;
115. }
116. return true;
117. }
119. private void btnSave\_Click(object sender, EventArgs e)
120. {
121. if (themmoi == true)
122. {
123. try
124. {
125. if (kiemtra())
126. {
127. ec.MaSV = txtMSSV.Text;
128. string[] hovaten = txtHoten.Text.Split(' ');
129. string ho = "";
130. for (int i = 0; i < hovaten.Length - 1; i++)
131. {
132. ho = ho + hovaten[i] + " ";
133. }
134. ho = ho.Trim();
135. string ten = hovaten[hovaten.Length - 1];

138. ec.HoSV = ho;
139. ec.TenSV = ten;
141. if (rbNam.Checked == true)
142. gioitinh = "Nam";
143. else
144. gioitinh = "Nữ";
146. ec.Phai = gioitinh;

149. ec.NgaySinh = dtNgaySinh.Text;


153. ec.NoiSinh = txtNoiSinh.Text;

156. int stt = cbbTenLop.SelectedIndex + 1;
157. ec.MaLop = stt.ToString();
159. bus.ThemDuLieu(ec);
160. MessageBox.Show("Đã thêm mới thành công");
161. setnull();
162. KhoaDieuKhien();
163. }
164. }
165. catch (Exception ex)
166. {
167. MessageBox.Show("Lỗi thêm không thành công" + ex.Message);
168. return;
169. }
170. }
171. else
172. {
173. try
174. {
175. if (kiemtra())
176. {
177. ec.MaSV = txtMSSV.Text;
179. string[] hovaten = txtHoten.Text.Split(' ');
180. string ho = "";
181. for (int i = 0; i < hovaten.Length - 1; i++)
182. {
183. ho = ho + hovaten[i] + " ";
184. }
185. ho = ho.Trim();
186. string ten = hovaten[hovaten.Length - 1];

189. ec.HoSV = ho;
190. ec.TenSV = ten;
192. if (rbNam.Checked == true)
193. gioitinh = "Nam";
194. else
195. gioitinh = "Nữ";
197. ec.Phai = gioitinh;

200. ec.NgaySinh = dtNgaySinh.Text;
201. ec.NoiSinh = txtNoiSinh.Text;

204. int stt = cbbTenLop.SelectedIndex + 1;
205. ec.MaLop = stt.ToString();
207. bus.SuaDuLieu(ec);
208. MessageBox.Show("Đã sữa thành công");
209. setnull();
210. KhoaDieuKhien();
211. }
212. }
213. catch (Exception ex)
214. {
215. MessageBox.Show("Lỗi sữa không thành công" + ex.Message);
216. return;
217. }
218. }
219. hienthi("where sinhvien.MaLop = lop.MaLop");
220. }
222. private void btnDelete\_Click(object sender, EventArgs e)
223. {
224. DialogResult rs = MessageBox.Show("Bạn có chắc chắn xóa", " Xác nhận xóa", MessageBoxButtons.YesNo, MessageBoxIcon.Question);
225. if (DialogResult.Yes == rs)
226. {
227. try
228. {
229. ec.MaSV = txtMSSV.Text;
230. bus.XoaDuLieu(ec);
231. MessageBox.Show("Đã xoá thành công");
232. KhoaDieuKhien();
233. setnull();
234. hienthi("where sinhvien.MaLop = lop.MaLop");
235. }
236. catch
237. {
238. MessageBox.Show("Lỗi Không thể xoá");
239. }
240. }
241. }
243. private void dgvDS\_CellClick(object sender, DataGridViewCellEventArgs e)
244. {
245. KhoaDieuKhien();
246. try
247. {
248. int i = e.RowIndex;
249. string MaSV = dgvDS.Rows[i].Cells[0].Value.ToString().Trim();
250. string HoSV = dgvDS.Rows[i].Cells[1].Value.ToString().Trim();
251. string TenSV = dgvDS.Rows[i].Cells[2].Value.ToString().Trim();
252. string Phai = dgvDS.Rows[i].Cells[3].Value.ToString().Trim();
253. string NgaySinh = dgvDS.Rows[i].Cells[4].Value.ToString().Trim();
254. string NoiSinh = dgvDS.Rows[i].Cells[5].Value.ToString().Trim();
255. string MaLop = dgvDS.Rows[i].Cells[6].Value.ToString().Trim();

258. txtMSSV.Text = MaSV;
259. txtHoten.Text = HoSV + " " + TenSV;
260. //gioitinh = "NULL";
262. switch (Phai)
263. {
264. case "Nam":
265. rbNam.Checked = true;
266. break;
267. case "Nữ":
268. rbNu.Checked = true;
269. break;
270. }

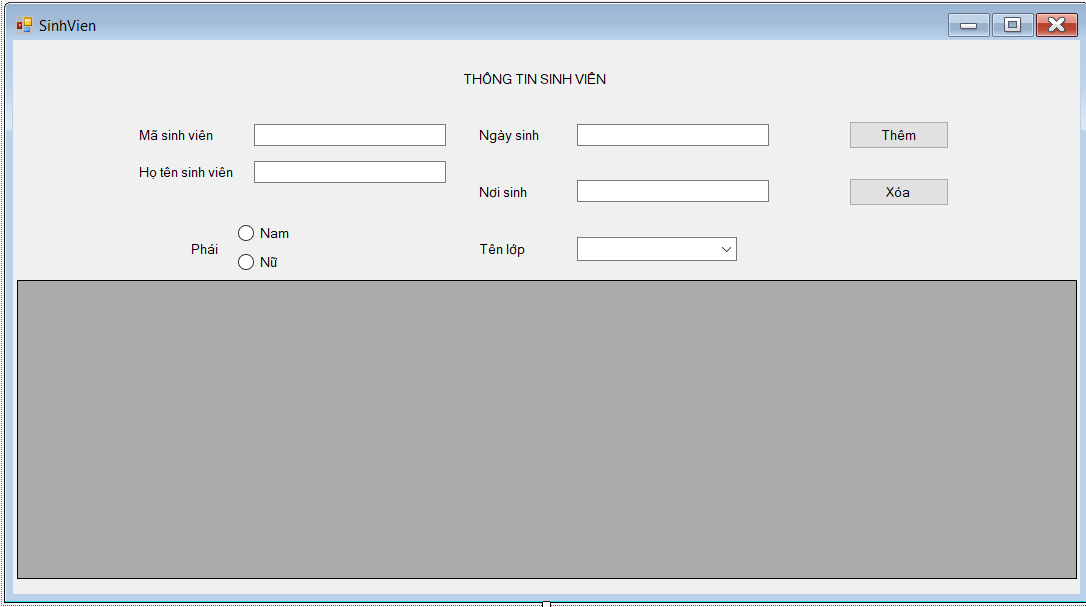
273. dtNgaySinh.Text = NgaySinh;
274. txtNoiSinh.Text = NoiSinh;
275. cbbTenLop.Text = MaLop;
276. }
277. catch
278. {
280. }
281. }
283. private void btnUpdate\_Click(object sender, EventArgs e)
284. {
285. MoDieuKhien();
286. txtMSSV.Enabled = false;
287. themmoi = false;
288. }
290. private void btnSearch\_Click(object sender, EventArgs e)
291. {
292. foreach (Form frm in this.MdiChildren)
293. frm.Close();
294. this.Visible = false; // frm đầu đóng đi
295. frmTimKiem fr = new frmTimKiem();
296. fr.ShowDialog();
297. this.Visible = true; // khi tắt sẽ mở
298. }
299. }
300. }

1. using System;
2. using System.Collections.Generic;
3. using System.ComponentModel;
4. using System.Data;
5. using System.Drawing;
6. using System.Linq;
7. using System.Text;
8. using System.Threading.Tasks;
9. using System.Windows.Forms;
10. using BUS;
11. using Entity;
13. namespace OnTapKTLan2
14. {
15. public partial class frmTimKiem : Form
16. {
17. public frmTimKiem()
18. {
19. InitializeComponent();
20. }
21. BUS\_tbl\_SinhVien bus = new BUS\_tbl\_SinhVien();
22. EC\_tbl\_SinhVien ec = new EC\_tbl\_SinhVien();
24. void hienthi(string where)
25. {
26. dgvDS.DataSource = bus.TaoBang(where);
27. }
29. void loadcbb(string where)
30. {
31. cbbTenLop.DisplayMember = "TenLop";
32. cbbTenLop.DataSource = bus.Dodulieuvaocbb(where);
33. }
35. private void frmTimKiem\_Load(object sender, EventArgs e)
36. {
37. hienthi("where sinhvien.MaLop = lop.MaLop");
38. loadcbb("");
39. }
41. void timkiem(string where)
42. {
43. dgvDS.DataSource = bus.TimKiem(where);
44. }
46. private void btnSearch\_Click(object sender, EventArgs e)
47. {
48. string MaSV = txtMSSV.Text;
49. string HoSV = txtHo.Text;
50. string TenSV = txtTen.Text;
52. string gioitinh;
53. if (rbNam.Checked == true)
54. gioitinh = "Nam";
55. else if((rbNu.Checked == true))
56. gioitinh = "Nữ";
57. else
58. gioitinh = "";
60. string NgaySinh = txtNgaySinh.Text;
61. string NoiSinh = txtNoiSinh.Text;
63. int stt = cbbTenLop.SelectedIndex + 1;
64. string MaLop = stt.ToString();
66. timkiem("WHERE MaSV like '%" + MaSV.Trim() + "%' AND HoSV like '%" + HoSV.Trim() + "%' AND TenSV like '%" + TenSV.Trim() + "%' AND Phai like N'%" + gioitinh.Trim() + "%' AND NgaySinh like N'%" + NgaySinh.Trim() + "%' AND NoiSinh like N'%" + NoiSinh.Trim() + "%' AND MaLop like N'%" + MaLop.Trim() + "%'");
67. }
69. private void bltLoad\_Click(object sender, EventArgs e)
70. {
71. hienthi("where sinhvien.MaLop = lop.MaLop");
72. loadcbb("");
73. }
74. }
75. }

KẾT HOẠCH B

Tạo 1 Class ketnoi.cs

1. class ketnoi
2. {
3. public static string chuoiKetNoi = "Data Source=FIT\\FIT1;Initial Catalog=QuanLySinhVien;User ID=sa;Password=123456";
4. SqlConnection cnn;
5. SqlDataAdapter da;
6. SqlCommand cmd;
7. }



using System.Data;

using System.Data.SqlClient;

1. SqlConnection cnn;
2. SqlDataAdapter da;
3. SqlCommand cmd;

FromLoad

1. try
2. {
3. cnn = new SqlConnection(ketnoi.chuoiKetNoi);
4. string sql = "select MaSV, HoSV ,TenSV ,Phai ,NgaySinh ,NoiSinh, lop.TenLop as TenLop from SinhVien,lop where sinhvien.MaLop = lop.MaLop";
5. cnn.Open();
6. cmd = new SqlCommand(sql, cnn);
7. da = new SqlDataAdapter(cmd);
8. DataTable dt = new DataTable();
9. da.Fill(dt);
10. dataGridView1.DataSource = dt;
11. sql = "select distinct (TenLop) from lop";
12. dt = new DataTable();
13. da.Fill(dt);
14. cbtenlop.Items.Clear();
15. cmd = new SqlCommand(sql, cnn);
16. SqlDataReader dr;
17. dr = cmd.ExecuteReader();
19. while (dr.Read())
20. {
21. cbtenlop.Items.Add(dr["TenLop"].ToString());
22. }
23. cbtenlop.SelectedIndex = 0;
24. cnn.Close();
25. }
26. catch (Exception ex)
27. {
28. MessageBox.Show(ex.ToString());
29. }

Btn Them

1. try
2. {
3. string []hovaten= hosv.Text.Split(' ');
4. string ho = "";
5. for (int i = 0; i < hovaten.Length-1; i++)
6. {
7. ho =ho + hovaten[i] + " ";
8. }
9. ho = ho.Trim();
10. string ten = hovaten[hovaten.Length-1];
12. string phai;
13. if (rbNam.Checked == true)
14. phai = "Nam";
15. else
16. phai = "Nữ";
17. string ngaysinh = txtngaysinh.Text;
18. string noisinh = txtnoisinh.Text;
19. int stt = cbtenlop.SelectedIndex + 1;
20. string malop = stt.ToString();
21. string sql = "Insert into SinhVien values(N'"+ho+ "', N'"+ ten + "', N'" + phai + "', '" + ngaysinh + "', N'" + noisinh + "', "+malop+")";
22. cnn = new SqlConnection(ketnoi.chuoiKetNoi);
23. cnn.Open();
24. cmd = new SqlCommand(sql, cnn);
25. cmd.ExecuteNonQuery();
26. cnn.Close();
27. MessageBox.Show("Thêm dữ liệu thành công");
28. SinhVien\_Load(sender, e);
29. }
30. catch (Exception ex)
31. {
32. MessageBox.Show(ex.ToString());
33. }

Btn Xoa

1. try
2. {
3. string ma = txtmsv.Text;
4. string tensv = hosv.Text;
5. string phai;
6. if (rbNam.Checked == true)
7. phai = "Nam";
8. else if (rbNu.Checked == true)
9. phai = "Nữ";
10. else
11. phai = "";
12. string ngaysinh = txtngaysinh.Text;
13. string noisinh = txtnoisinh.Text;
14. int stt = cbtenlop.SelectedIndex + 1;
15. string malop = stt.ToString();
16. string sql = "delete from sinhvien where MaSV like '%"+ma.Trim()+ "%' and HoSV like '%" + tensv.Trim() + "%' and TenSV like '%" + tensv.Trim() + "%' and Phai like '%" + phai.Trim() + "%' and NgaySinh like '%" + ngaysinh.Trim() + "%' and NoiSinh like '%" + noisinh.Trim() + "%' and MaLop like '%" + malop.Trim() + "%'";
17. cnn = new SqlConnection(ketnoi.chuoiKetNoi);
18. cnn.Open();
19. cmd = new SqlCommand(sql, cnn);
20. cmd.ExecuteNonQuery();
21. cnn.Close();
22. MessageBox.Show("Xóa dữ liệu thành công");
23. SinhVien\_Load(sender, e);
24. }
25. catch (Exception ex)
26. {
27. MessageBox.Show(ex.ToString());
28. }

Frm Tim Kiem

using System.Data;

using System.Data.SqlClient;

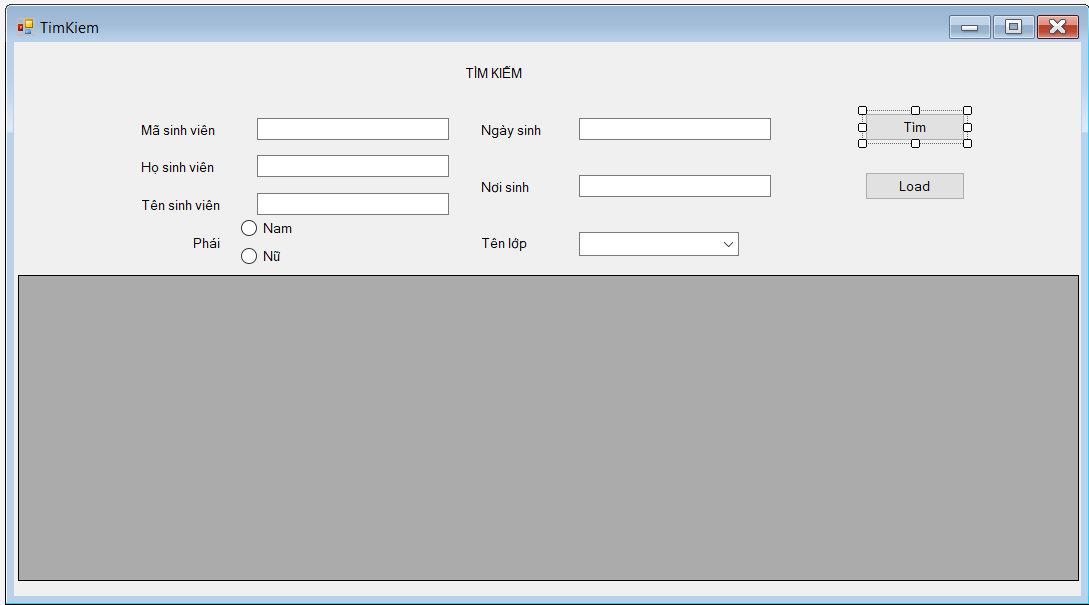
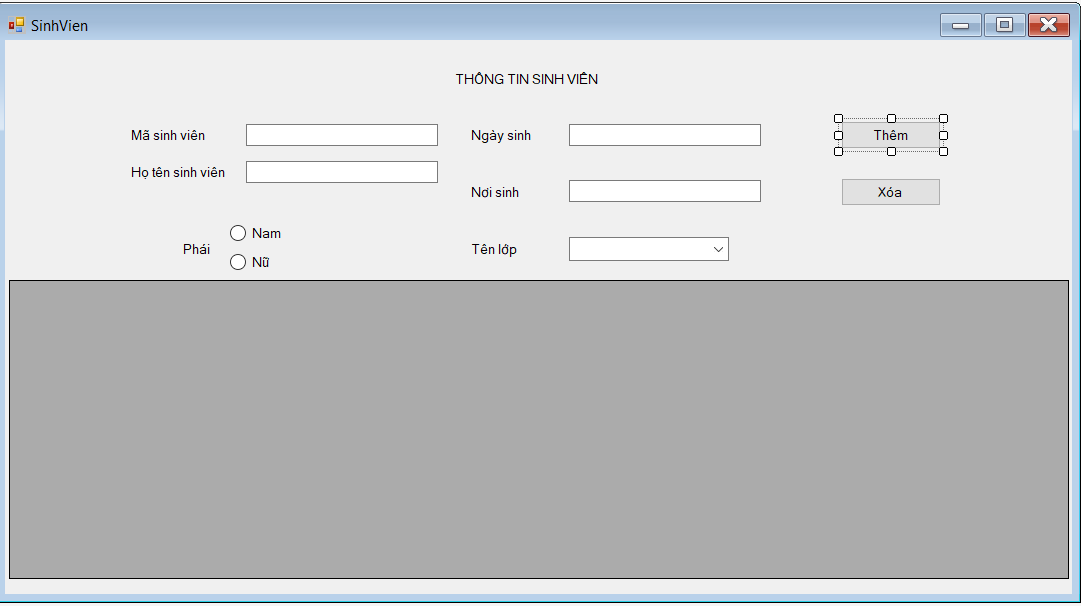
SqlConnection cnn;

SqlDataAdapter da;

SqlCommand cmd;

1. private void button1\_Click(object sender, EventArgs e)
2. {
3. string ma = txtmsv.Text;
4. string ho = hosv.Text;
5. string ten = tensv.Text;
6. string phai;
7. if (rbNam.Checked == true)
8. phai = "Nam";
9. else if (rbNu.Checked == true)
10. phai = "Nữ";
11. else
12. phai = "";
13. string ngaysinh = txtngaysinh.Text;
14. string noisinh = txtnoisinh.Text;
15. string sql = "select \* from SinhVien where MaSV like '%"+ ma.Trim() +"%' and HoSV like N'%" + ho.Trim() + "%' and TenSV like N'%" + ten.Trim() + "%' and Phai like N'%" + phai.Trim() + "%' and NgaySinh like '%" + ngaysinh.Trim() + "%' and NoiSinh like N'%" + noisinh.Trim() + "%'";// + "%' and MaLop like '%aaa%'";
16. cnn = new SqlConnection(ketnoi.chuoiKetNoi);
17. cnn.Open();
19. cmd = new SqlCommand(sql, cnn);
20. da = new SqlDataAdapter(cmd);
21. DataTable dt = new DataTable();
22. da.Fill(dt);
23. dataGridView1.DataSource = dt;
25. cnn.Close();
26. }
28. private void TimKiem\_Load(object sender, EventArgs e)
29. {
30. try
31. {
32. cnn = new SqlConnection(ketnoi.chuoiKetNoi);
33. string sql = "select MaSV, HoSV ,TenSV ,Phai ,NgaySinh ,NoiSinh, lop.TenLop as TenLop from SinhVien,lop where sinhvien.MaLop = lop.MaLop";
34. cnn.Open();
35. cmd = new SqlCommand(sql, cnn);
36. da = new SqlDataAdapter(cmd);
37. DataTable dt = new DataTable();
38. da.Fill(dt);
39. dataGridView1.DataSource = dt;

42. sql = "select distinct (TenLop) from lop";
43. dt = new DataTable();
44. da.Fill(dt);
45. cbtenlop.Items.Clear();
46. cmd = new SqlCommand(sql, cnn);
47. SqlDataReader dr;
48. dr = cmd.ExecuteReader();
50. while (dr.Read()) {
51. cbtenlop.Items.Add(dr["TenLop"].ToString());
52. }
53. cbtenlop.SelectedIndex = 0;
54. cnn.Close();
55. }
56. catch (Exception ex)
57. {
58. MessageBox.Show(ex.ToString());
59. }
60. }
62. private void button2\_Click(object sender, EventArgs e)
63. {
64. TimKiem\_Load(sender, e);
65. }



2 From chức năng như kết hoạch 1