**Book Store Management System**



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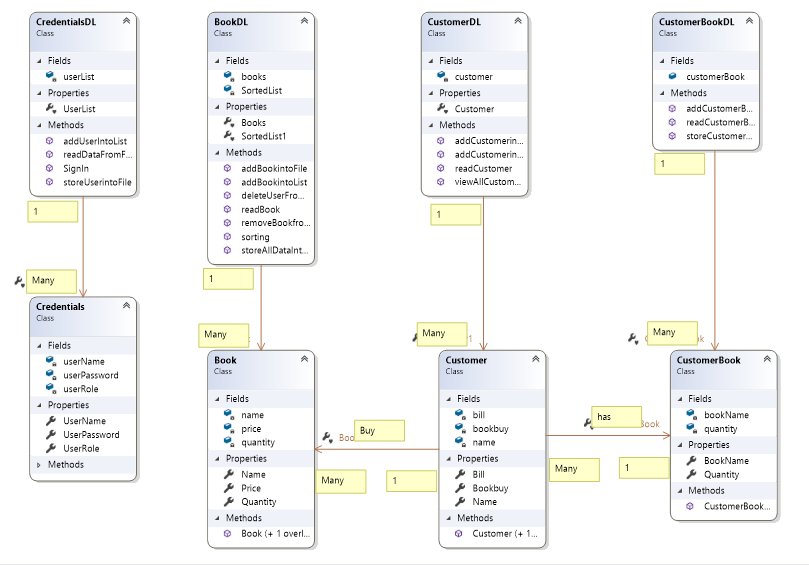
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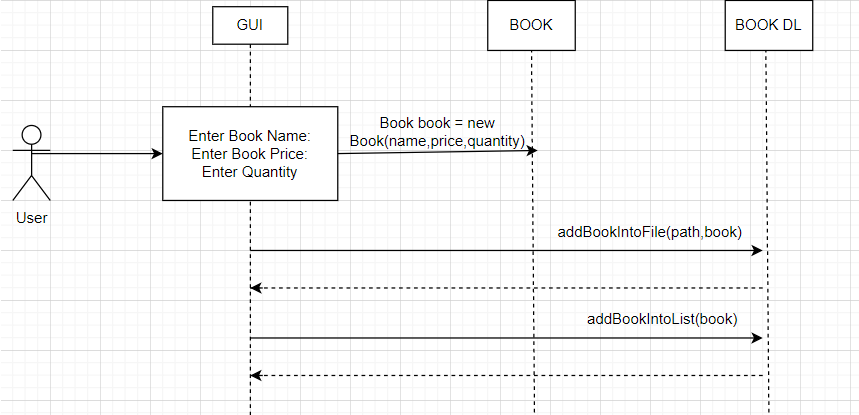
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**Class Diagram**

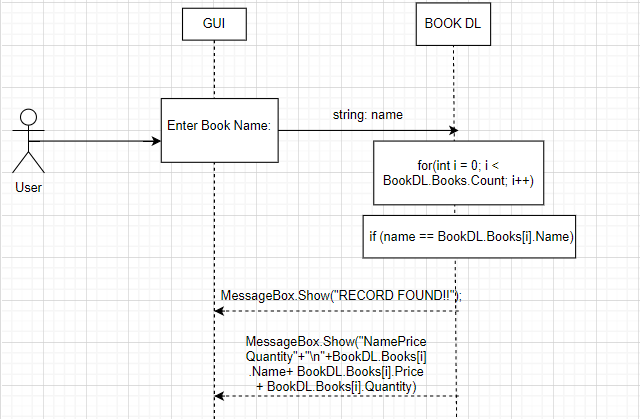
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**Sequence Diagram**

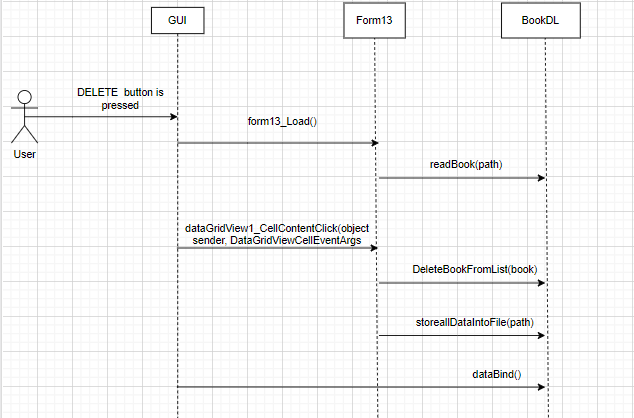
* **Add Book**

****

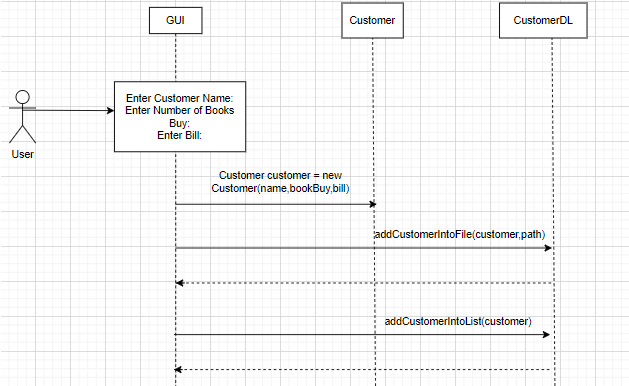
* **Search Book**

****

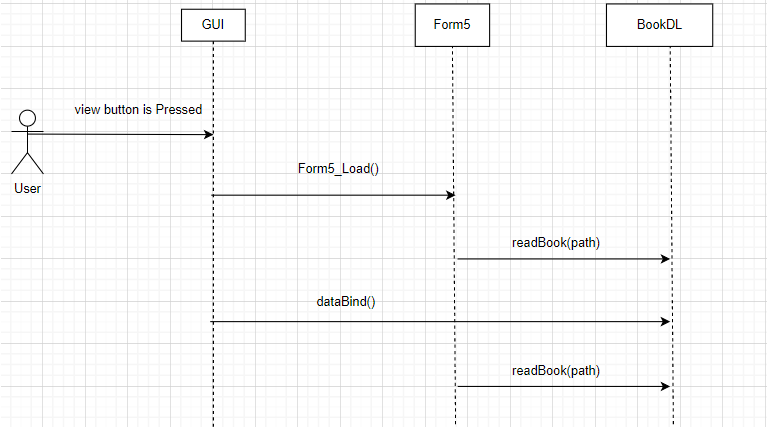
* **Delete Book**

****

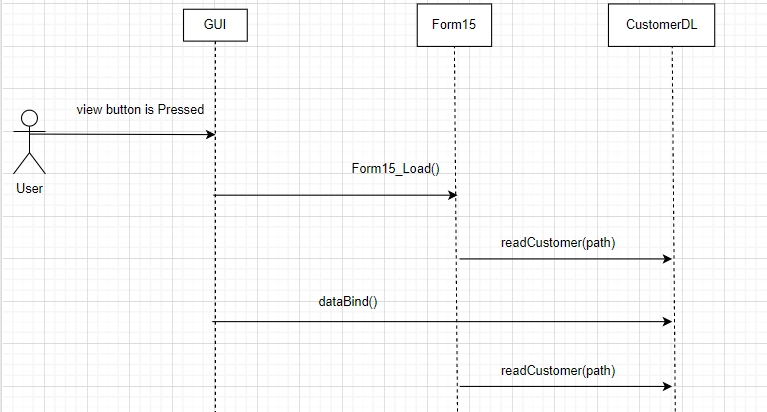
* **Add Customer**

****

* **View Book**

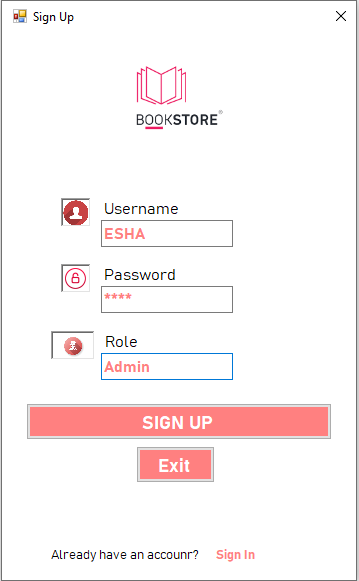
****

* **View Customer**

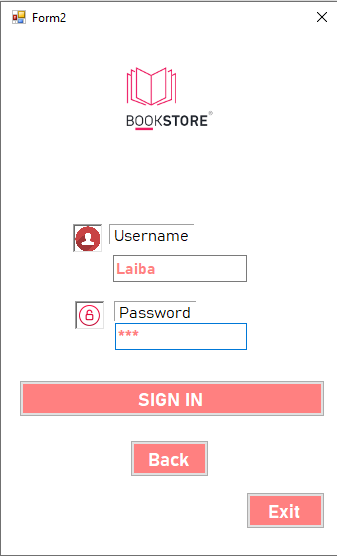
****

**Wireframes**

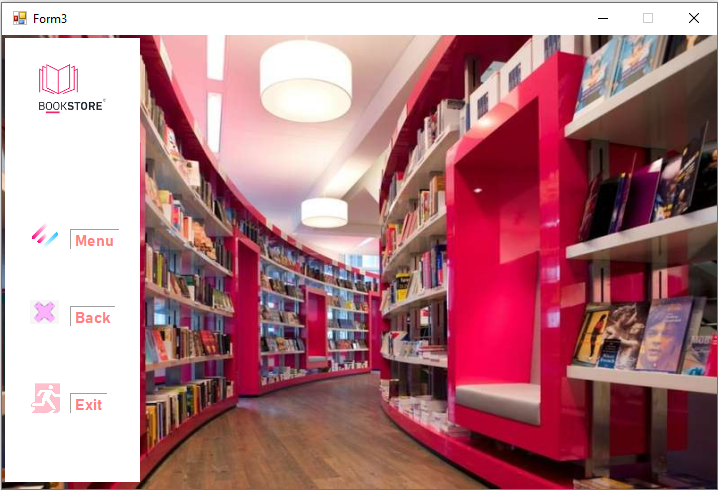
**>> Sign Up**

****

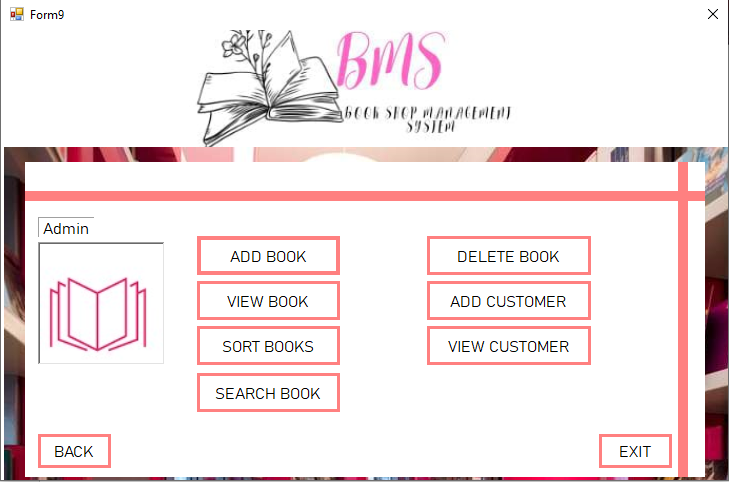
**>> Sign In**

****

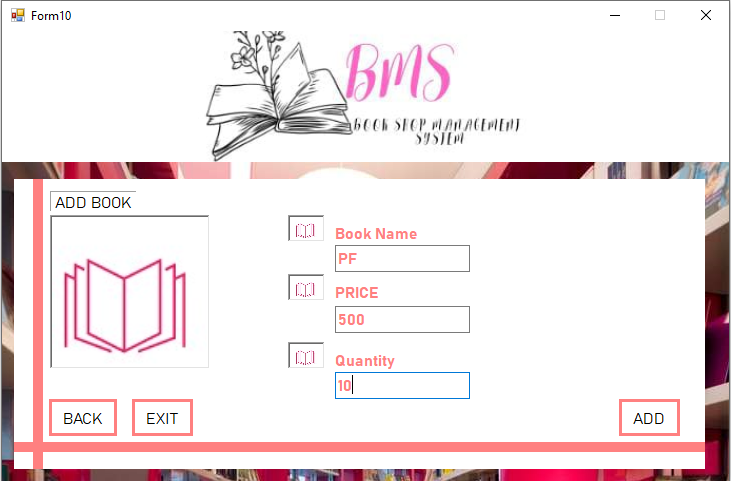
**>>Admin Menu**

****

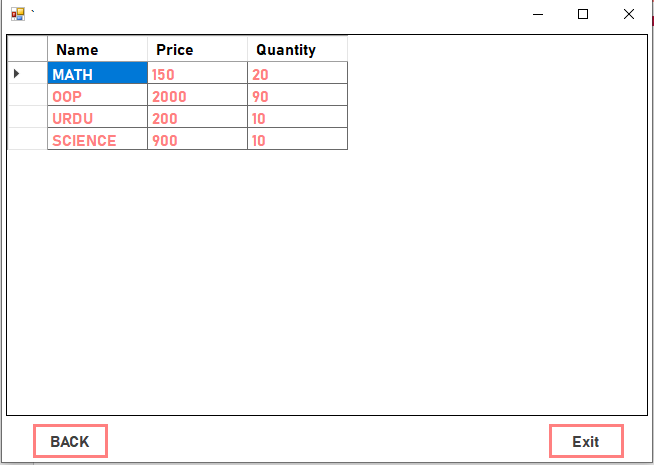
**>> Menu**

****

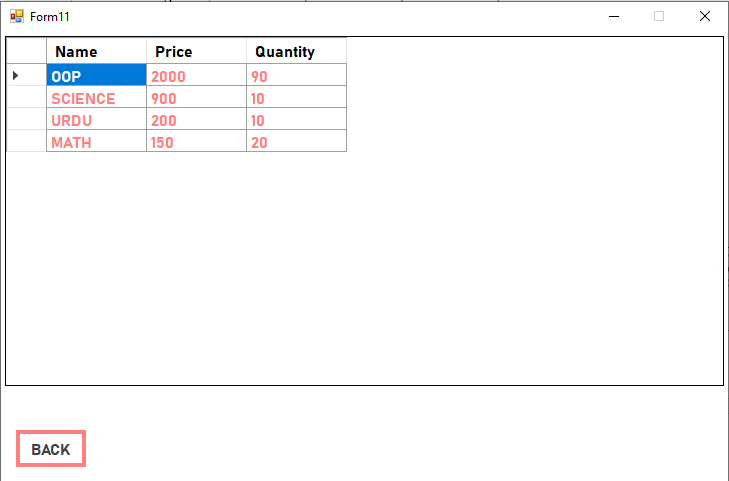
**>> Add Book**

****

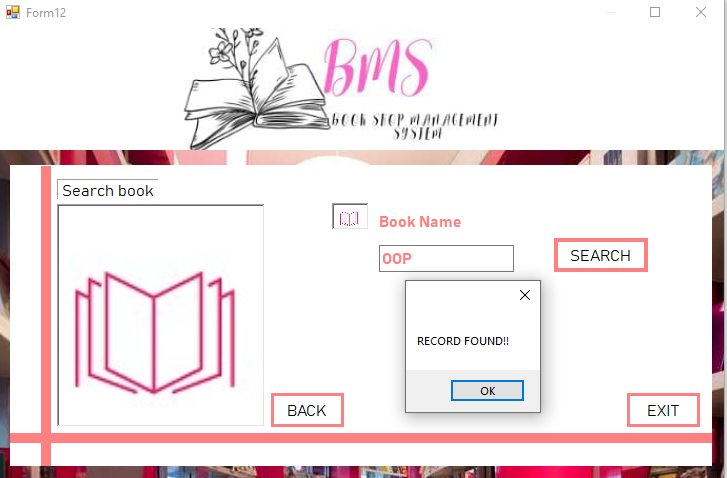
**>> View Book**

****

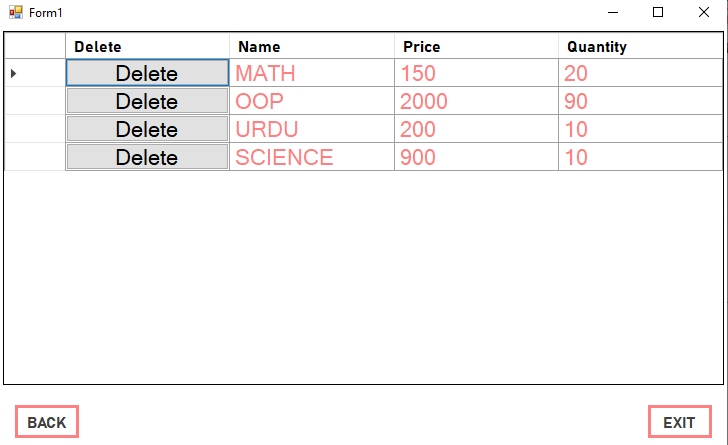
**>> Sort Books**

****

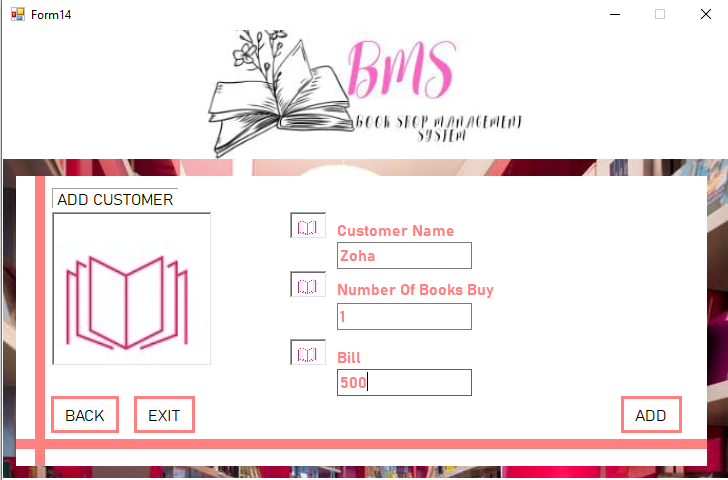
**>> Search Book**

****

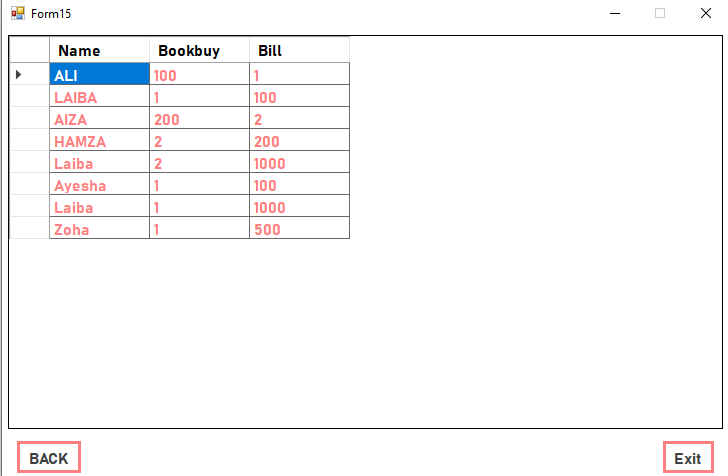
**>> Delete Book**

****

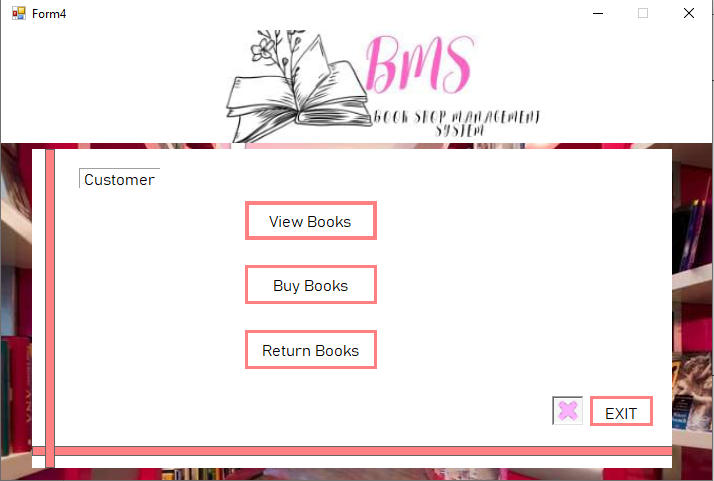
**>> Add Customer**

****

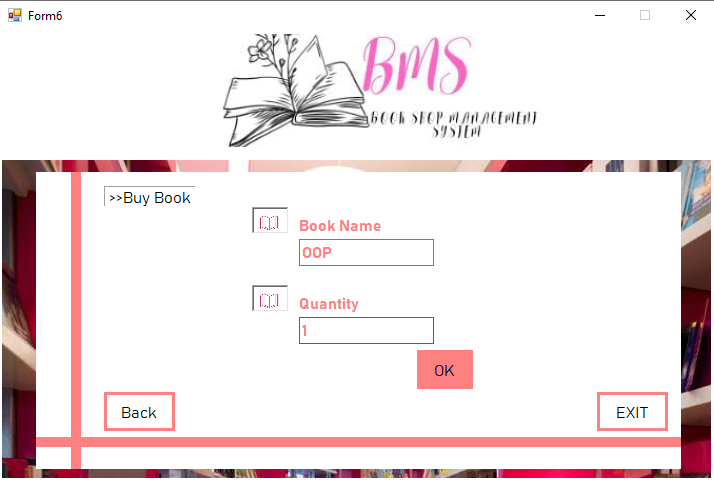
**>> View customer**

****

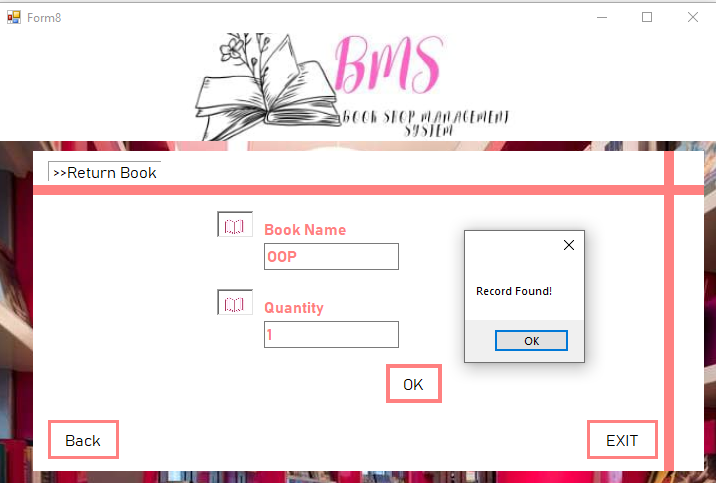
**>> Customer Menu**

****

**>> Buy Book**

****

**>> Return Book**

****

**>> Exit**

****

**Code for Classes**

**Form1 Code**

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

string path = "credentials.txt";

CredentialsDL.readDataFromFile(path);

}

private void button2\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void button1\_Click(object sender, EventArgs e)

{

string path = "credentials.txt";

string name = textBox1.Text;

string password = textBox2.Text;

string role = textBox3.Text;

Credentials user = new Credentials(name, password, role);

CredentialsDL.addUserIntoList(user);

CredentialsDL.storeUserintoFile(user, path);

MessageBox.Show("User Added!");

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

}

private void label5\_Click(object sender, EventArgs e)

{

this.Hide();

Form2 f2 = new Form2();

f2.Show();

}

}

**Form 2 Code**

public partial class Form2 : Form

{

public Form2()

{

InitializeComponent();

}

private void button2\_Click(object sender, EventArgs e)

{

this.Hide();

Form1 f1 = new Form1();

f1.Show();

}

private void clearTextBox()

{

textBox1.Text = "";

textBox2.Text = "";

}

private void button1\_Click(object sender, EventArgs e)

{

string userName = textBox1.Text;

string password = textBox2.Text;

Credentials user = new Credentials(userName, password);

Credentials validUser = CredentialsDL.SignIn(user);

if (validUser != null)

{

string role = validUser.role();

if (role == "Admin")

{

Form3 f3 = new Form3();

f3.Show();

this.Hide();

}

else if(role == "Customer")

{

Form4 f4 = new Form4();

f4.Show();

this.Hide();

}

else if(role == "Seller")

{

}

}

else

{

MessageBox.Show("InValid");

}

clearTextBox();

}

private void button3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

}

**Form 3 Code**

public partial class Form3 : Form

{

public Form3()

{

InitializeComponent();

}

private void label2\_Click(object sender, EventArgs e)

{

Form2 f2 = new Form2();

f2.Show();

this.Hide();

}

private void label3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void label1\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

f9.Show();

this.Hide();

}

}

**Form 4 Code**

public Form4()

{

InitializeComponent();

}

private void pictureBox2\_Click(object sender, EventArgs e)

{

}

private void panel2\_Paint(object sender, PaintEventArgs e)

{

} private void button1\_Click(object sender, EventArgs e)

{

Form5 f5 = new Form5();

f5.Show();

this.Hide();

}

private void button2\_Click(object sender, EventArgs e)

{

Form6 f6 = new Form6();

f6.Show();

this.Hide();

}

private void button3\_Click(object sender, EventArgs e)

{

Form8 f8 = new Form8();

f8.Show();

this.Hide();

}

}

**Form 5 Code**

public partial class Form5 : Form

{

public Form5()

{

InitializeComponent();

}

private void Form5\_Load(object sender, EventArgs e)

{

BookDL.Books.Clear();

string path = "addbook.txt";

BookDL.readBook(path);

dataGridView1.DataSource = BookDL.Books;

}

public void dataBind()

{

dataGridView1.DataSource = null;

dataGridView1.DataSource = BookDL.Books;

dataGridView1.Refresh();

}

private void button1\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void button2\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

f9.Show();

this.Hide();

}

}

**Form 6 Code**

public partial class Form6 : Form

{

public Form6()

{

InitializeComponent();

}

private void clearTextBox()

{

textBox1.Text = "";

textBox2.Text = "";

}

private void button1\_Click(object sender, EventArgs e)

{

bool flag = false;

string path = "customerBook.txt";

string name = textBox1.Text;

float Quantity = float.Parse(textBox2.Text);

CustomerBook cBook = new CustomerBook(name, Quantity);

for (int i = 0; i < BookDL.Books.Count; i++)

{

if (name == BookDL.Books[i].Name)

{

CustomerBookDL.addCustomerBookIntoList(cBook);

CustomerBookDL.storeCustomerBookintoFile(cBook, path);

Form7 f7 = new Form7();

f7.Show();

this.Hide();

flag = true;

break;

}

}

if(flag == false)

{

MessageBox.Show("Not Available!");

}

clearTextBox();

}

private void Form6\_Load(object sender, EventArgs e)

{

string path = "customerBook.txt";

string pathBook = "addbook.txt";

CustomerBookDL.readCustomerBook(path);

BookDL.readBook(pathBook);

}

private void button2\_Click(object sender, EventArgs e)

{

Form4 f4 = new Form4();

f4.Show();

this.Hide();

}

private void button3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

}

**Form 7 Code**

public partial class Form7 : Form

{

public Form7()

{

InitializeComponent();

}

private void button2\_Click(object sender, EventArgs e)

{

Application.Exit();

}

}

**Form 8 Code**

public partial class Form8 : Form

{

public Form8()

{

InitializeComponent();

}

private void button2\_Click(object sender, EventArgs e)

{

this.Hide();

Form4 f4 = new Form4();

f4.Show();

}

private void button3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void button1\_Click(object sender, EventArgs e)

{

bool flag = false;

string path = "customerBook.txt";

string name = textBox1.Text;

for (int i = 0; i < CustomerBookDL.customerBook.Count; i++)

{

textBox1.Text = CustomerBookDL.customerBook[i].BookName;

if (name == CustomerBookDL.customerBook[i].BookName)

{

MessageBox.Show("Record Found!");

Form7 f7 = new Form7();

f7.Show();

this.Hide();

flag = true;

break;

}

}

if (flag == false)

{

MessageBox.Show("Record Not Found!");

}

clearTextBox();

}

private void clearTextBox()

{

textBox1.Text = "";

textBox2.Text = "";

}

private void Form8\_Load(object sender, EventArgs e)

{

}

private void Form8\_Load\_1(object sender, EventArgs e)

{

string path = "customerBook.txt";

CustomerBookDL.readCustomerBook(path);

}

}

**Form 9 Code**

public partial class Form9 : Form

{

public Form9()

{

InitializeComponent();

}

private void button2\_Click(object sender, EventArgs e)

{

Form5 f5 = new Form5();

this.Hide();

f5.Show();

}

private void button11\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void button10\_Click(object sender, EventArgs e)

{

Form3 f3 = new Form3();

f3.Show();

this.Hide();

}

private void button1\_Click(object sender, EventArgs e)

{

Form10 f10 = new Form10();

this.Hide();

f10.Show();

}

private void button4\_Click(object sender, EventArgs e)

{

Form12 f12 = new Form12();

f12.Show();

this.Hide();

}

private void button5\_Click(object sender, EventArgs e)

{

Form13 f13 = new Form13();

f13.Show();

this.Hide();

}

private void button7\_Click(object sender, EventArgs e)

{

Form14 f14 = new Form14();

this.Hide();

f14.Show();

}

private void button8\_Click(object sender, EventArgs e)

{

Form15 f15 = new Form15();

f15.Show();

this.Hide();

}

private void button3\_Click(object sender, EventArgs e)

{

Form11 f11 = new Form11();

f11.Show();

this.Hide();

}

}

**Form 10 Code**

public partial class Form10 : Form

{

public Form10()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

string name = textBox1.Text;

float price = float.Parse(textBox2.Text);

float quantity = float.Parse(textBox3.Text);

string path = "addbook.txt";

Book book = new Book(name, price, quantity);

BookDL.addBookintoFile(book,path);

BookDL.addBookintoList(book);

MessageBox.Show("BOOK ADDED!");

}

private void button3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void button2\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

f9.Show();

this.Hide();

}

}

**Form 11 Code**

public partial class Form11 : Form

{

public Form11()

{

InitializeComponent();

}

private void Form11\_Load(object sender, EventArgs e)

{

BookDL.sorting();

BookDL.Books.Clear();

string path = "addbook.txt";

BookDL.readBook(path);

dataGridView1.DataSource = BookDL.SortedList1;

}

public void dataBind()

{

dataGridView1.DataSource = null;

dataGridView1.DataSource = BookDL.SortedList1;

dataGridView1.Refresh();

}

private void button2\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

f9.Show();

this.Hide();

}

}

**Form 12 Code**

public partial class Form12 : Form

{

public Form12()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void button11\_Click(object sender, EventArgs e)

{

bool flag = false;

string name = textBox1.Text;

for (int i = 0; i < BookDL.Books.Count; i++)

{

if (name == BookDL.Books[i].Name)

{

MessageBox.Show("RECORD FOUND!!");

MessageBox.Show("Name\t\tPrice\t\tQuantity"+"\n"+BookDL.Books[i].Name + "\t\t" + BookDL.Books[i].Price + "\t\t" + BookDL.Books[i].Quantity);

flag = true;

break;

}

}

if (flag == false)

{

MessageBox.Show("Not Available!");

}

textBox1.Text = " ";

}

private void Form12\_Load(object sender, EventArgs e)

{

string pathBook = "addbook.txt";

BookDL.readBook(pathBook);

}

private void button2\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

f9.Show();

this.Hide();

}

}

**Form 13 Code**

public partial class Form13 : Form

{

private string path = "addbook.txt";

public Form13()

{

InitializeComponent();

}

public void dataBind()

{

usersGV.DataSource = null;

usersGV.DataSource = BookDL.Books;

usersGV.Refresh();

}

private void Form1\_Load(object sender, EventArgs e)

{

BookDL.Books.Clear();

BookDL.readBook(path);

usersGV.DataSource = BookDL.Books; // introspection

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

Book user = (Book)usersGV.CurrentRow.DataBoundItem;

if (usersGV.Columns["Delete"].Index == e.ColumnIndex)

{

BookDL.deleteUserFromList(user);

BookDL.storeAllDataIntoFile(path);

dataBind();

}

}

private void button2\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

f9.Show();

this.Hide();

}

private void button3\_Click\_1(object sender, EventArgs e)

{

Application.Exit();

}

}

**Form 14 Code**

public partial class Form14 : Form

{

public Form14()

{

InitializeComponent();

} private void button2\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

this.Hide();

f9.Show();

}

private void button1\_Click(object sender, EventArgs e)

{

string name = textBox1.Text;

float bookbuy = float.Parse(textBox2.Text);

float bill = float.Parse(textBox3.Text);

string path = "customer.txt";

Customer customer = new Customer(name, bookbuy, bill);

CustomerDL.addCustomerintoFile(customer, path);

CustomerDL.addCustomerintoList(customer);

MessageBox.Show("BOOK ADDED!");

} private void button3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

}

**Form 15 Code**

public partial class Form15 : Form

{

public Form15()

{

InitializeComponent();

}

private void Form15\_Load(object sender, EventArgs e)

{

CustomerDL.Customer.Clear();

string path = "customer.txt";

CustomerDL.readCustomer(path);

dataGridView1.DataSource = CustomerDL.Customer;

}

public void dataBind()

{

dataGridView1.DataSource = null;

dataGridView1.DataSource = CustomerDL.Customer;

dataGridView1.Refresh();

}

private void button3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void button2\_Click(object sender, EventArgs e)

{

Form9 f9 = new Form9();

f9.Show();

this.Hide();

}

}

**Program Code**

namespace Book\_Store

{

static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}