



Public Library Management System

Final Project



NOVEMBER 18, 2023
ESOFT Metro Campus- Gampaha

Final Project

Public Library Management System

Diploma In Information Technology -202

ESOFT Metro Campus- Gampaha

Project Details

- Title of the project - Title of Project: Library Management System
- Batch Number: DiTEC 202

Group Members' Details

No.	Student ID	Registration Number	Student Name
1.	E163918	00161554	R.M. Lakvidu Upasara
2.	E163250	00160716	Vidushi Dilshani
3.	E173107	00163456	W. Namya Prasadani
4.	E186415	00162434	Saduni Lakshika
5.	E176982	00163231	S.H.P.Woshala Dileshi
6.	E183214	00157948	W.G.D. Thisanga Weragoda
7.	E184980	00160447	Newansa Damsiluni
8.	E185580		Paulina Methsara

Introduction

Public libraries are essential community resources that provide access to information, education, and entertainment for people of all ages. PLMSs play a vital role in supporting public libraries by automating tasks, improving efficiency, and providing a better patron experience.

Benefits of PLMSs

There are many benefits to using a PLMS in a public library. Some of the key benefits include:

Increased efficiency: PLMSs can help libraries automate many of their manual tasks, such as checking out materials, renewing items, and generating reports. This can free up staff to focus on other important tasks, such as customer service and programming.

Improved accuracy: PLMSs can help libraries reduce errors in their records. For example, PLMSs can automatically calculate due dates and fines.

Enhanced patron experience: PLMSs can provide patrons with a more convenient and efficient way to access library services. For example, patrons can use PLMSs to renew materials online, check their account balance, and place holds on items.

Improved data collection and reporting: PLMSs can help libraries collect and analyze data about their patrons, collections, and circulation. This data can be used to improve library services and make better decisions about resource allocation.

Types of PLMSs

There are a variety of PLMSs available on the market, each with its own strengths and weaknesses. Some PLMSs are designed for small libraries, while others are designed for large libraries with complex needs. Some PLMSs are cloud-based, while others are installed on-premises.

Choosing a PLMS

When choosing a PLMS, libraries should consider their specific needs and requirements. Some factors to consider include:

Size of the library: PLMSs are available for libraries of all sizes. Libraries should choose a PLMS that is appropriate for their number of patrons, collections, and staff.

Complexity of the library's needs: Libraries with complex needs, such as multiple branches or specialized collections, may need a more powerful and flexible PLMS.

Cloud-based or on-premises: Libraries should choose a PLMS that is hosted in the cloud or on-premises, depending on their preference and needs.

Cost: PLMSs can vary in price, so libraries should budget accordingly.

Public Library Management System Problem Statement

Public libraries face a number of challenges in managing their operations, including:

Manual processes: Many libraries still rely on manual processes for managing their collections, circulation, patrons, and staff. This can be time-consuming and inefficient, and it can lead to errors.

Inaccurate data: Manual processes can also lead to inaccurate data. This can make it difficult to track trends and make informed decisions about library services.

Limited resources: Public libraries often have limited resources, which can make it difficult to implement and maintain complex PLMSs.

Changing needs: The needs of library patrons are constantly changing, which can make it difficult to keep PLMSs up-to-date.

Specific problem statements that can be addressed by a PLMS include:

Difficulty tracking collection inventory: Manual processes can make it difficult to track the location of materials, their condition, and their availability. This can lead to lost or damaged materials, and it can also prevent patrons from accessing the materials they need.

Challenges managing patron accounts: Manual processes can make it difficult to track patron borrowing history, fines, and preferences. This can lead to patron frustration and lost revenue.

Difficulties generating reports: Manual processes can make it difficult to generate reports on library collections, circulation, patrons, and staff. This can make it difficult to track trends and make informed decisions about library services.

Limited patron self-service options: Many libraries do not offer patrons self-service options for renewing materials, checking their account balance, or placing holds on items. This can be inconvenient for patrons and can lead to increased staff workload.

A PLMS can help public libraries address these challenges by automating tasks, improving data accuracy, and providing self-service options for patrons.

Specific benefits that a PLMS can provide include:

Increased efficiency: A PLMS can automate many of the manual tasks that libraries currently perform, such as checking out materials, renewing items, and generating reports. This can free up staff to focus on other important tasks, such as customer service and programming.

Improved data accuracy: A PLMS can help libraries improve the accuracy of their data by automating data entry and providing tools for data validation. This can lead to better decision-making about library services.

Enhanced patron experience: A PLMS can provide patrons with self-service options for renewing materials, checking their account balance, and placing holds on items. This can make it more convenient for patrons to access library services.

Public Library Management System (PLMS) Solutions

Problem: Difficulty tracking collection inventory

Solution: A PLMS can automate the process of tracking collection inventory by providing features such as barcode scanning, RFID tagging, and inventory management reports. This can help libraries to quickly and accurately track the location of materials, their condition, and their availability.

Problem: Challenges managing patron accounts

Solution: A PLMS can help libraries to manage patron accounts more efficiently by providing features such as patron registration, account management, and overdue notification. This can help libraries to improve patron satisfaction and reduce lost revenue.

Problem: Difficulties generating reports

Solution: A PLMS can help libraries to generate reports more easily by providing pre-built reports and the ability to customize reports to meet specific needs. This can help libraries to track trends, identify areas for improvement, and make informed decisions about library services.

Problem: Limited patron self-service options

Solution: A PLMS can provide patrons with self-service options for renewing materials, checking their account balance, and placing holds on items. This can make it more convenient for patrons to access library services and can free up staff to focus on other important tasks.

Additional solutions:

Mobile access: PLMSs can provide patrons with mobile access to library services, such as the ability to renew materials, check their account balance, and place holds on items. This can make it more convenient for patrons to access library services from anywhere.

Integration with other systems: PLMSs can be integrated with other systems, such as learning management systems and social media platforms. This can help libraries to provide more seamless and integrated services to their patrons.

Data analytics: PLMSs can be used to collect and analyze data about library patrons, collections, and circulation. This data can be used to improve library services and make better decisions about resource allocation.

Aim and Objectives

Aim:

The aim of the proposed Library Management System is to automate and streamline library operations, enhance resource management, and improve user experience through the implementation of an efficient and user-friendly software solution.

Objectives:

To Improve Efficiency:

Automate manual processes such as cataloging, circulation, and record-keeping to save time and effort for librarians and staff.

Streamline workflows and eliminate redundancies to improve overall operational efficiency.

Reduce administrative tasks, allowing library staff to focus on providing better services and support to users.

To Enhance Resource Management:

Create a centralized catalogue of library resources, enabling efficient organization and categorization.

Implement advanced search and discovery functionalities to help users find resources quickly and easily.

Track resource availability, circulation history, and utilization data to optimize collection development and resource allocation.

To Enhance User Experience:

Provide a user-friendly interface that is intuitive and easy to navigate for both librarians and library users.

Enable users to remotely access the library catalogue, place holds, renew materials, and view account details through an online public access catalogue (OPAC).

Implement self-service functionalities to empower users to independently manage their borrowing activities and access resources.

To Streamline Circulation and Borrowing Processes:

Automated circulation processes such as checking items in and out, managing due dates, and calculating fines for overdue materials.

Enable online renewals, reservations, and holds to improve user convenience and reduce reliance on manual interventions.

Send automated notifications and reminders to users regarding due dates, reservation availability, and other important library updates.

To Ensure Data Accuracy and Accessibility:

Maintain a centralized database to store and manage library information, ensuring data accuracy and eliminating duplication.

Implement security measures and access controls to protect sensitive user data and maintain data privacy.

Enable seamless data exchange and integration with other relevant systems to enhance data accessibility and interoperability.

To Provide Reporting and Analytics Capabilities:

Generate comprehensive reports on circulation statistics, resource utilization, user preferences, and other key metrics.

Analyze data to gain insights into library operations, support decision-making, and inform collection development strategies.

Customize reporting options to meet specific reporting needs and provide actionable information to stakeholders.

Scope of The System

User Management:

The system should provide user management capabilities, allowing librarians to create and manage user accounts for library patrons. It should enable user registration, issuance of library cards, and maintenance of user information such as contact details, borrowing history, and fines.

- Itemized List of User Management:
 1. User Profile Management.
 2. Add User Details
 3. Edit User Details
 4. Delete User Account
 5. View User Detail.

Book management system

A library management system is software that is designed to manage all the functions of a library. It helps the librarian to maintain the data database of new books that are borrowed by members along with their due dates.

This application can be used by any library to automate the process of manually maintaining the records related to the subject of maintaining the stock and books issues.

Ex: - Facility to reserve books that available.

- Itemized List Of Book Management
 1. Add Book Details
 2. Edit Book Details
 3. View Book Details

Member and Information management System

Generate reports on membership statistics, attendance, subscription trends, etc.

Provide visualizations for better data interpretation.

Provide a dashboard where members can view and update their profiles.

Include options to edit personal information, change contact details, and manage subscriptions.

- Itemized List of Member and Information management System
 1. Add Reader Details
 2. Edit Reader Details
 3. Delete Reader Details
 4. View Reader Details

Book Circulation / Borrows and Return management.

- Borrowing Process:

Allow members to search for and select books they want to borrow.

Check the availability status of the book before allowing the borrowing process to proceed.

Record the borrowing transaction, including the book ID, member ID, borrow date, and expected return date.

- Return Process:

Provide a way for members to return borrowed books.

Update the availability status of the book.

Record the return transaction, including the book ID, member ID, return date, and any late fees (if applicable).

- Due Date Management:

Calculate and enforce due dates for borrowed books.

Send automated reminders to members about upcoming due dates or overdue books

Hold and Reservation System:

Allow members to place holds or reservations on books that are currently checked out.

Notify members when reserved books become available.

- Admin Report Generation

Maintain a history of generated reports, including the report type, parameters, and generation date.

Allow administrators to revisit previous reports. Provide clear documentation and instructions on how to use the report generation feature.

- Librarian Management Attendance

Functional Requirements

- Login
- User register
- Reader Management
- Book management
- Admin Management
- Logout.
- Forget Password Recover

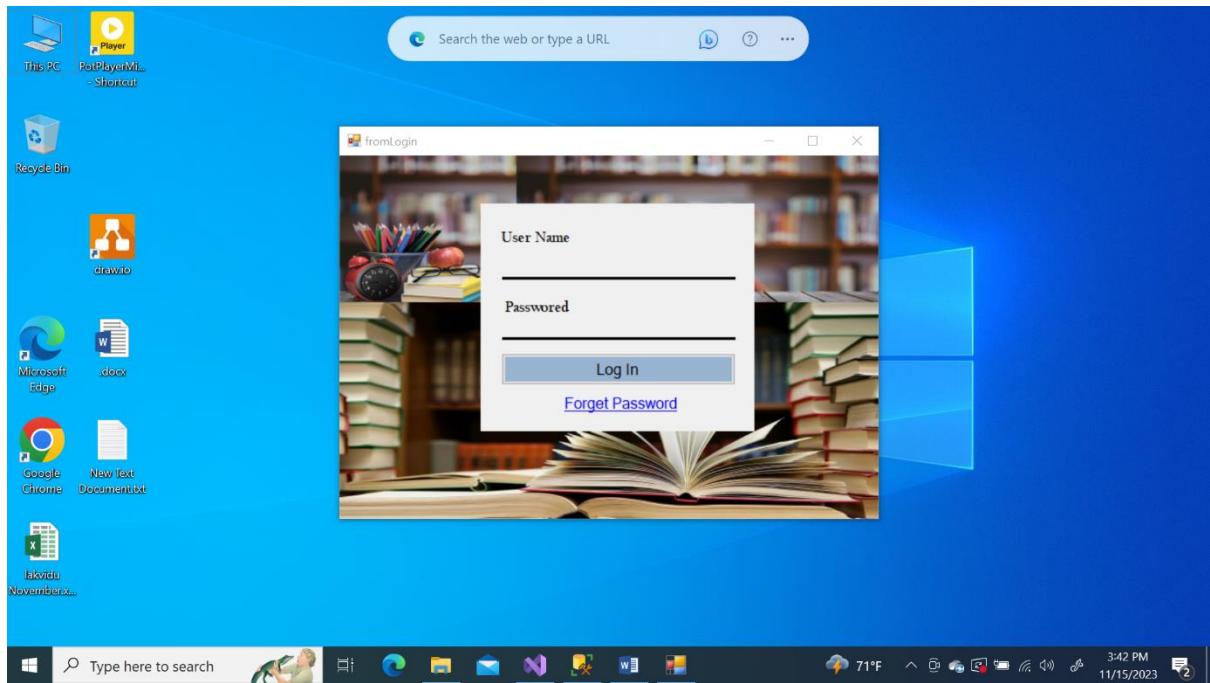
- book issue
- Return Book
- Librarian And Admin Attendance
- Create fines

Non- Functional Requirements

- Data Backup
- Search Same Age Member And Get Report.
- Reader Login And Check Borrowing Book Details.
- Send Reminder Message For Reader About Return Date.

User Interface

Login Interface (Light)



Forget Password

ForgetPasswordf

User Id	2001
Frist Name	Lakvidu
Last Name	Upasara
NIC	200111503769
Date of Birth	2001-04-24
Address	Anuradhapura
Phone	071-9277149

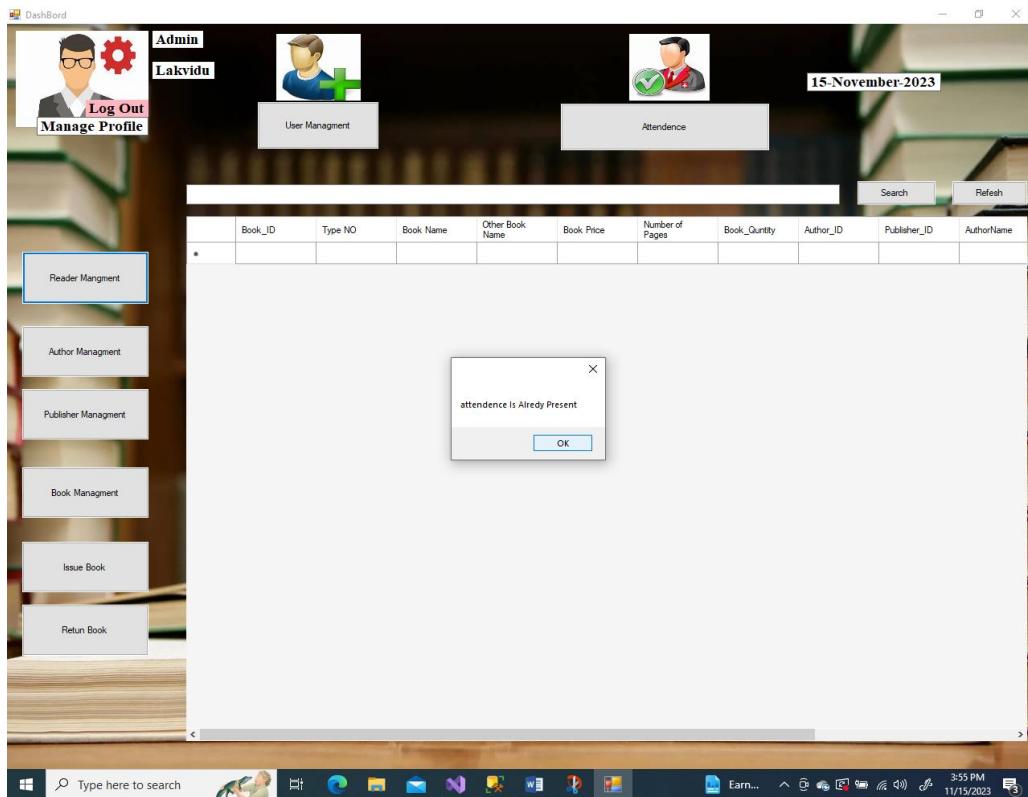
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CHENG_PASSWORD

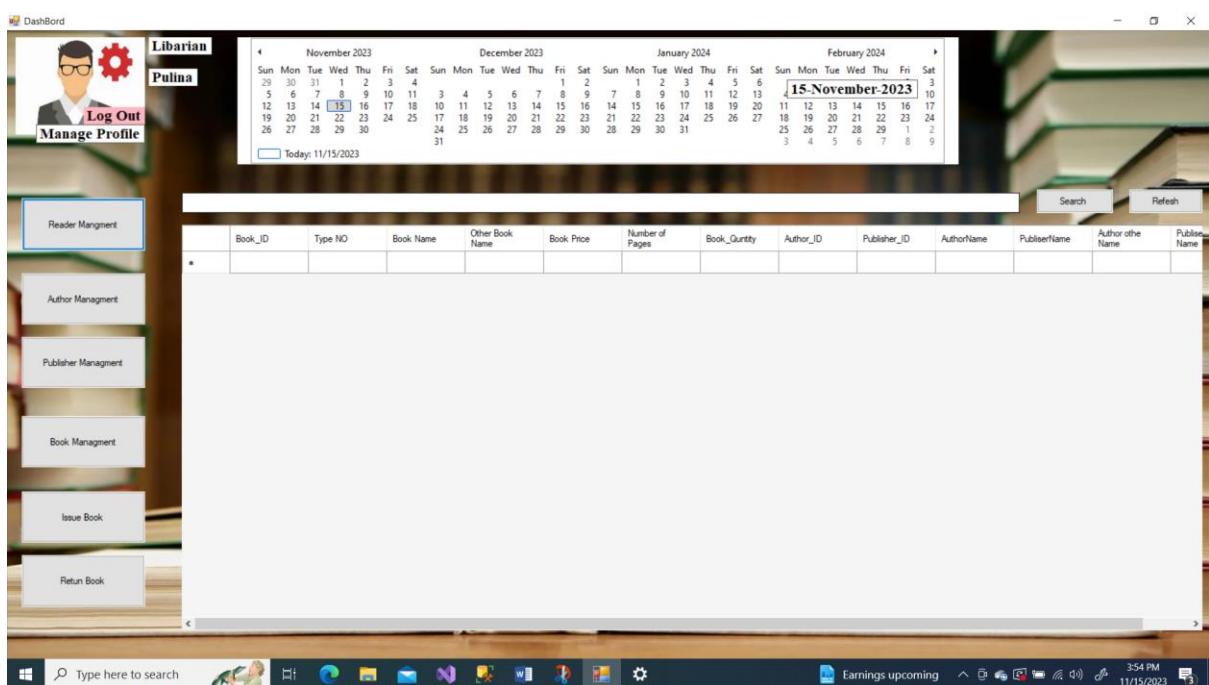
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Password	***
conform Password	***

Save

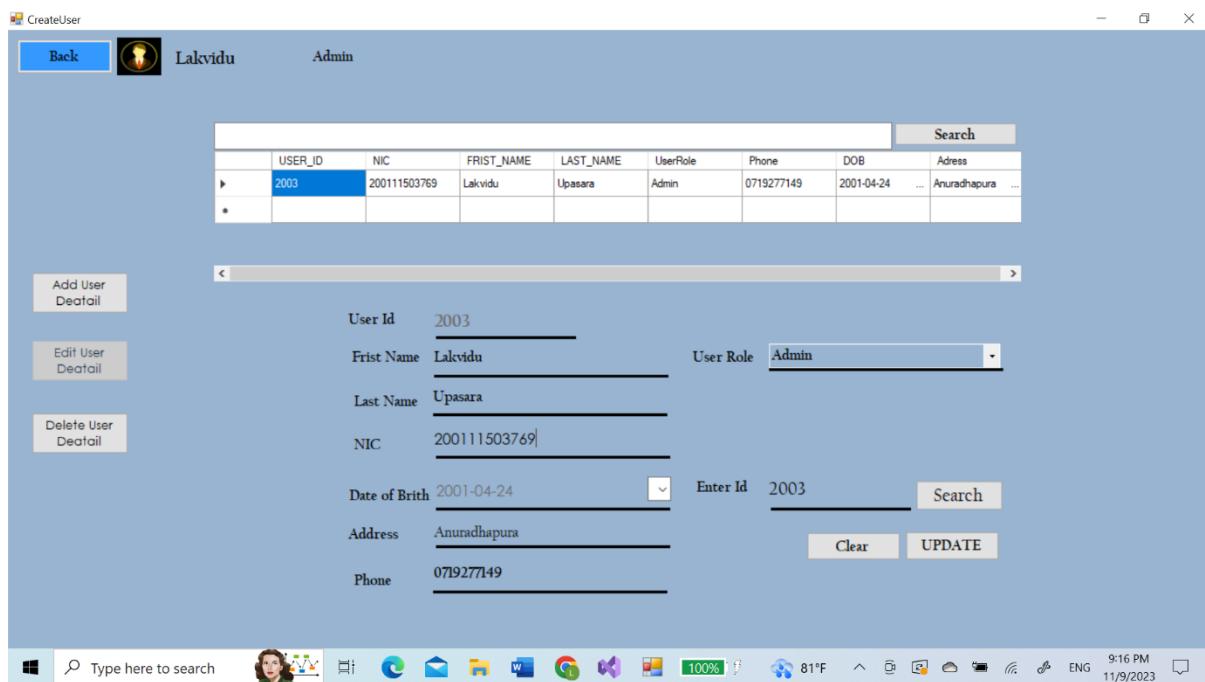
Dashboard Interface (Admin)



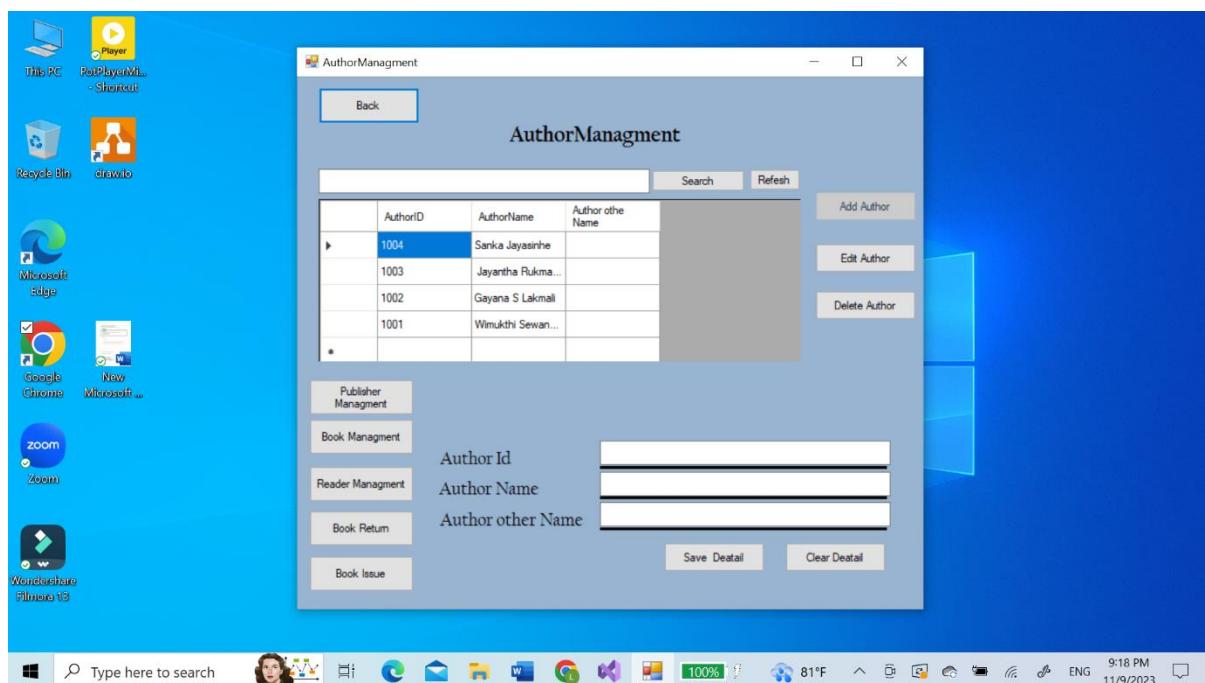
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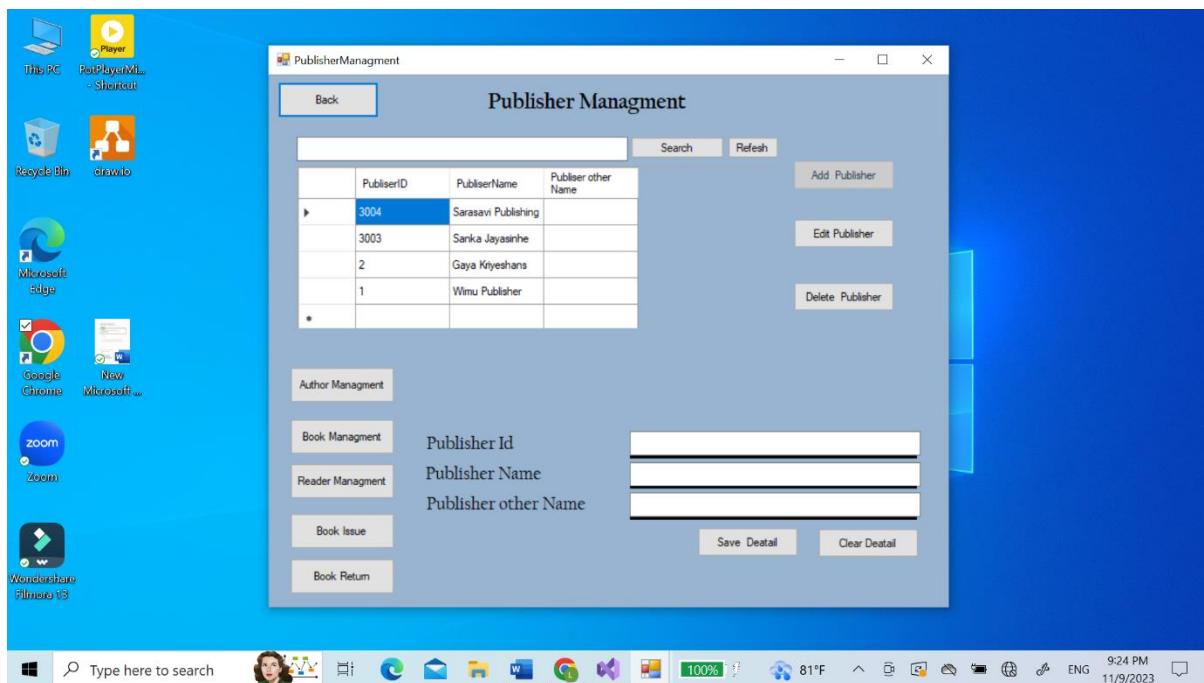
User management Interface (Light)



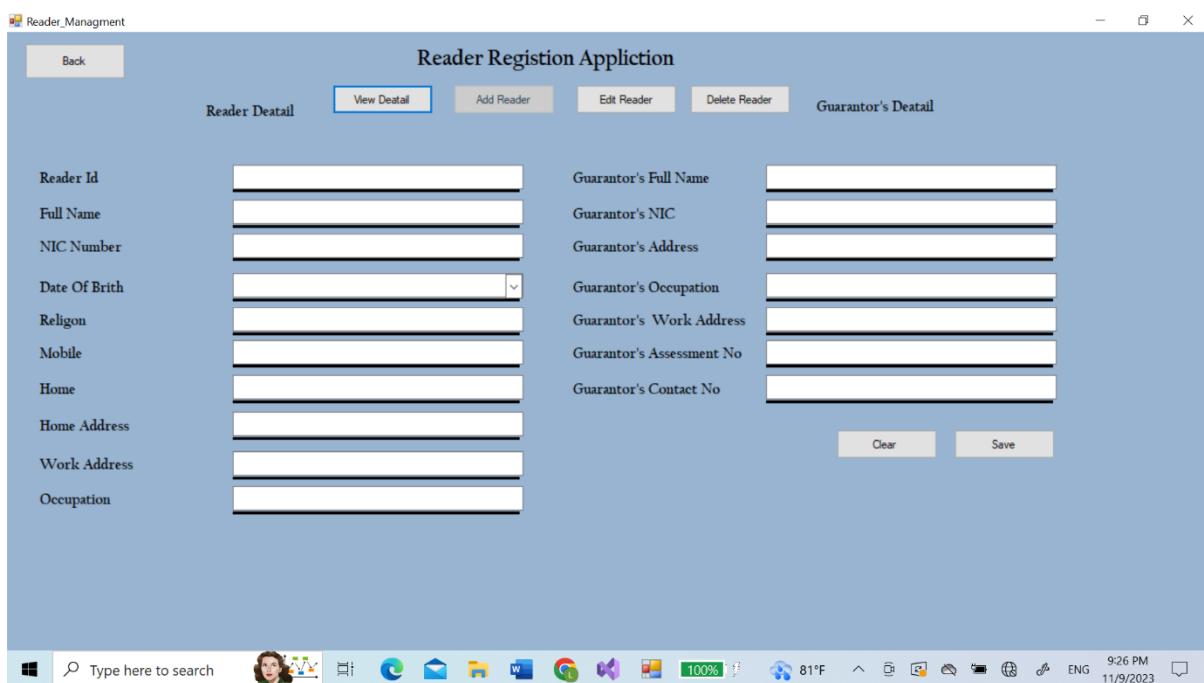
Author management Interface (Light)

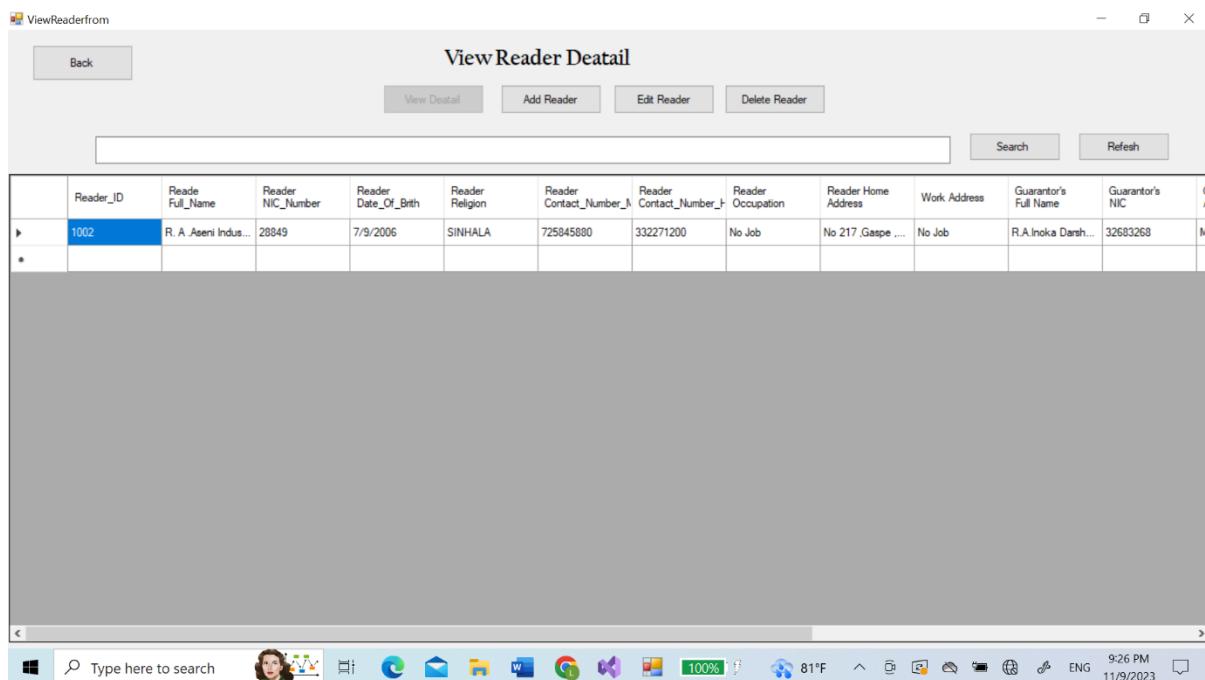


Publisher management Interface (Light)

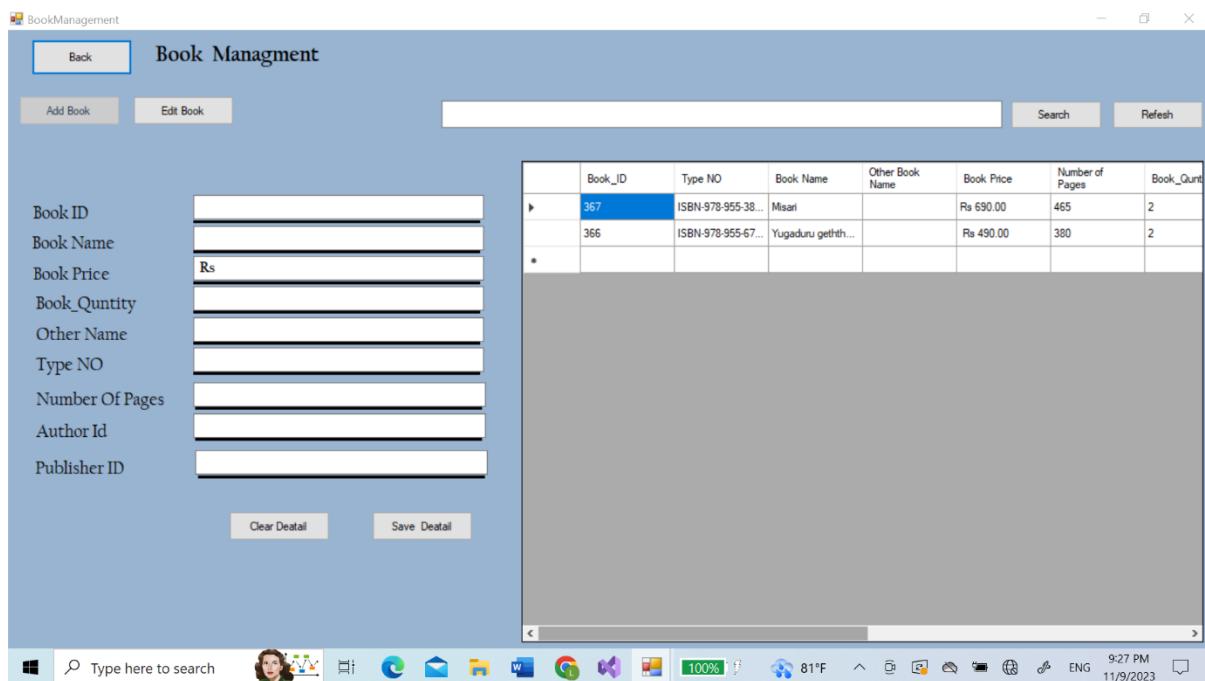


Reader management interface (light)





Book management Interface (Light)



Issue Book Interface (Light)

IssueBookFrom

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Return Date	23-November-2023																																																								
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Return Book Interface (Light)

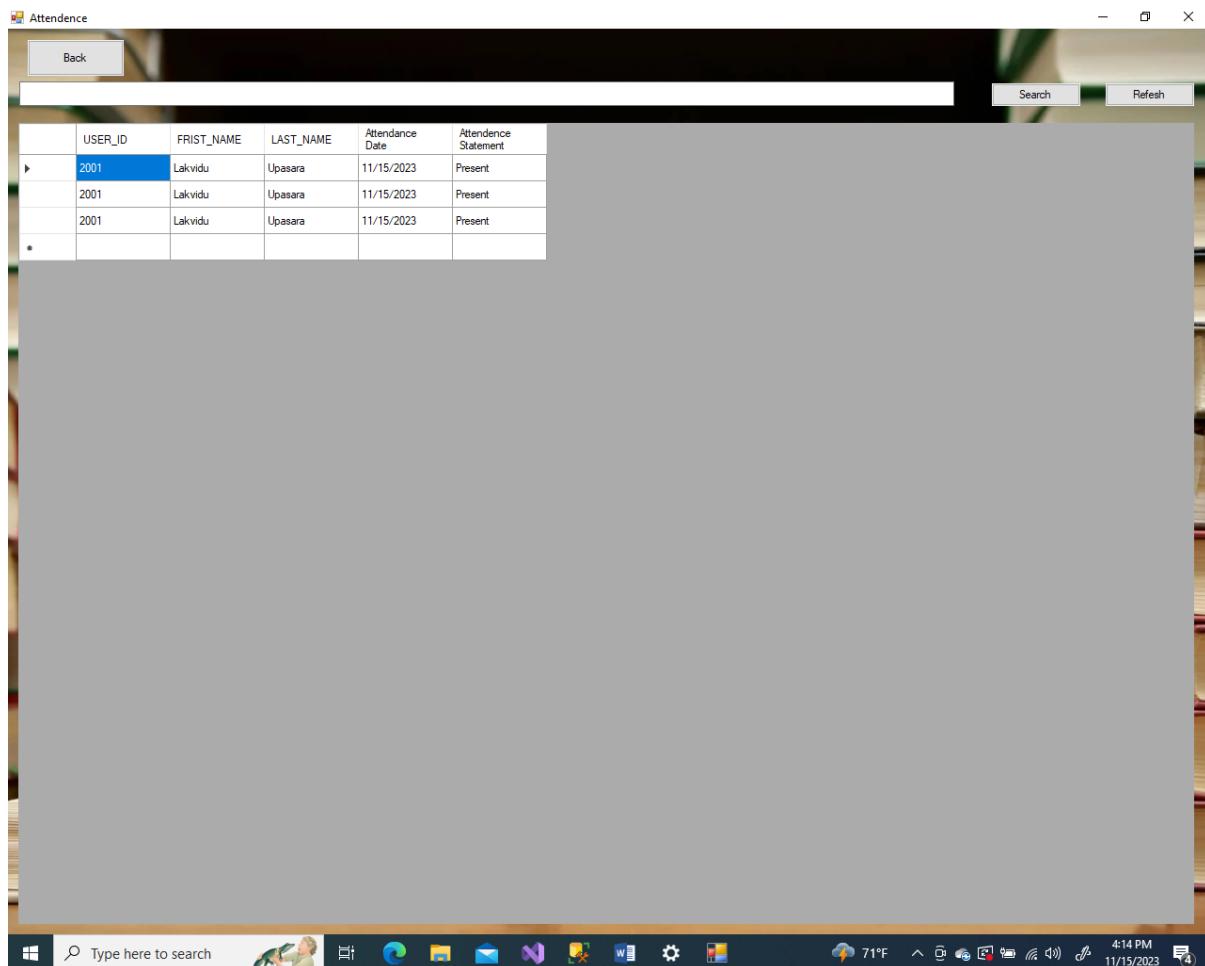
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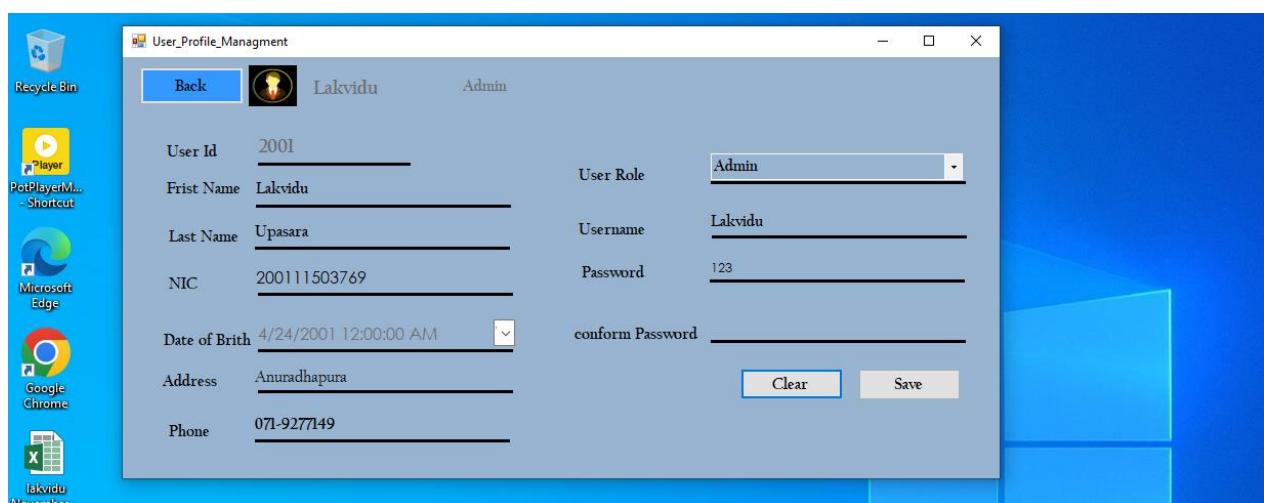
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Attendance

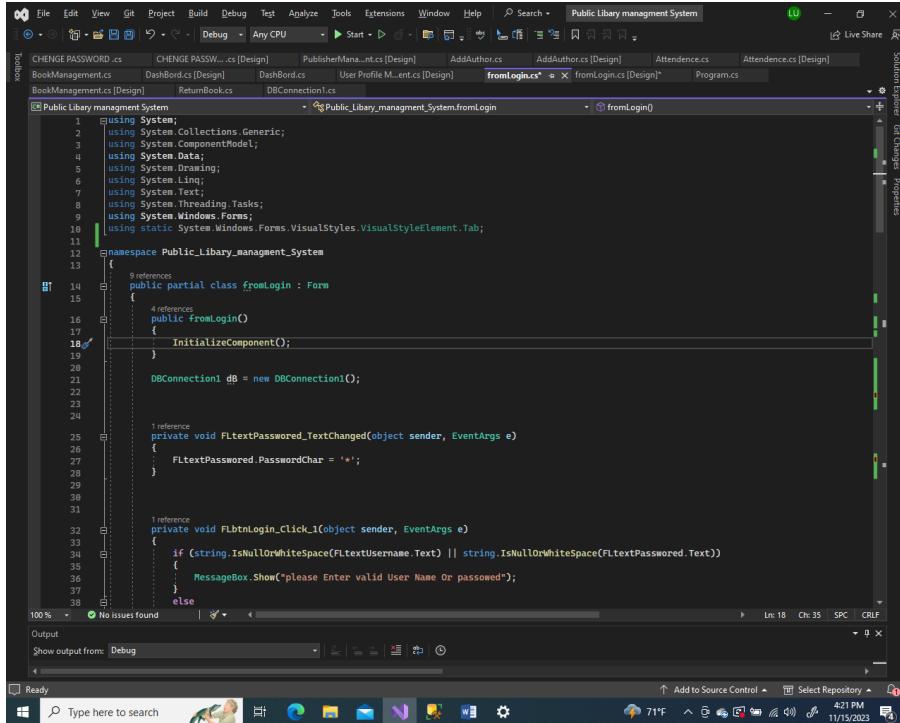


User Profile management Interface (Light)



Code

Login Interface (Light)



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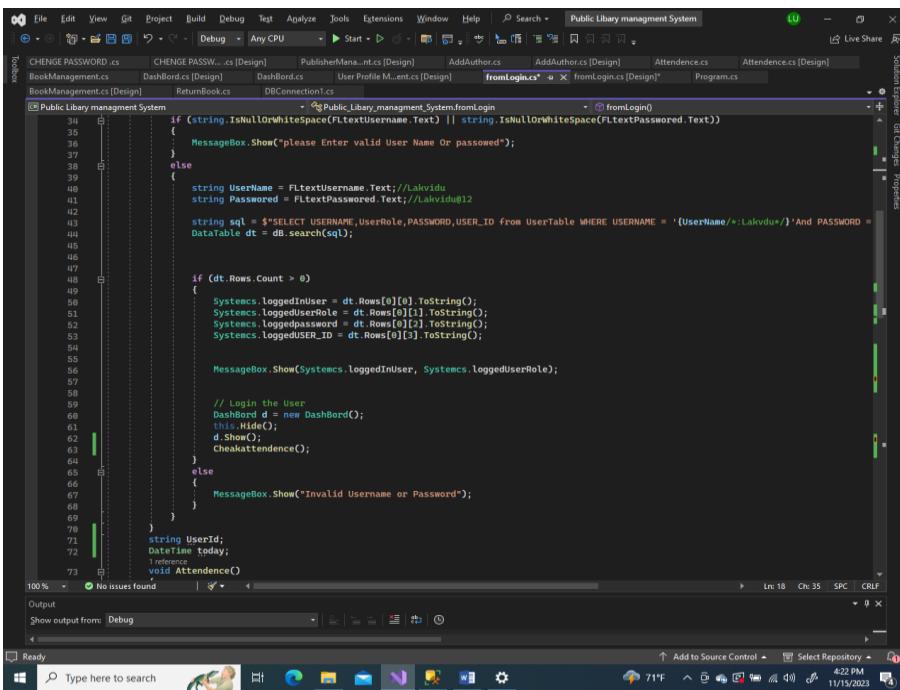
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System
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BookManagement.cs [Design] ReturnBook.cs DBConnection.cs
Public Library management System - > Public_Library_management_System.fromLogin - > fromLogin()
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 static System.Windows.Forms.VisualStyles.VisualStyleElement.Tab;
11
12 namespace Public_Library_management_System
13 {
14     public partial class fromLogin : Form
15     {
16         public fromLogin()
17         {
18             InitializeComponent();
19         }
20
21         DBConnection dB = new DBConnection();
22
23
24
25         private void FLtxtpassword_TextChanged(object sender, EventArgs e)
26         {
27             FLtxtpassword.PasswordChar = '*';
28         }
29
30
31
32         private void FLbtnLogin_Click_1(object sender, EventArgs e)
33         {
34             if (string.IsNullOrWhiteSpace(FLtxtnusername.Text) || string.IsNullOrWhiteSpace(FLtxtpassword.Text))
35             {
36                 MessageBox.Show("Please Enter valid User Name Or password");
37             }
38             else
39             {
40                 string UserName = FLtxtnusername.Text;//Lakvidu
41                 string Password = FLtxtpassword.Text;//Lakividu@12
42
43                 string sql = $"SELECT USERNAME,UserRole,PASSWORD,USER_ID FROM UserTable WHERE USERNAME = '{UserName}' And PASSWORD = '{Password}'";
44                 DataTable dt = dB.search(sql);
45
46
47                 if (dt.Rows.Count > 0)
48                 {
49                     Systems.loggedInUser = dt.Rows[0].ToString();
50                     Systems.loggedUserRole = dt.Rows[0][1].ToString();
51                     Systems.loggedpassword = dt.Rows[0][2].ToString();
52                     Systems.loggedUSER_ID = dt.Rows[0][3].ToString();
53
54
55                     MessageBox.Show(Systems.loggedInUser, Systems.loggedUserRole);
56
57
58                     // Login the User
59                     DashBord d = new DashBord();
60                     this.Hide();
61                     d.show();
62                     CheckAttendance();
63                 }
64                 else
65                 {
66                     MessageBox.Show("Invalid Username or Password");
67                 }
68             }
69         }
70
71         string UserId;
72         Datetime today;
73         Reference void Attendance()
74     }
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No issues found | ↻ | L: 18 C: 35 SPC: CR LF

Show output from: Debug

Add to Source Control Select Repository 421°F 11/15/2023



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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System
CHANGE PASSWORD.cs CHANGE PASS..._cs [Design] PublisherMan..._nts.cs [Design] AddAuthor.cs AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design]
BookManagement.cs DashBord.cs [Design] DashBord.cs UserProfile M..._nts.cs [Design] fromLogin.cs fromLogin.cs [Design] Program.cs
BookManagement.cs [Design] ReturnBook.cs DBConnection.cs
Public Library management System - > Public_Library_management_System.fromLogin - > fromLogin()
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Show output from: Debug

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Public Library management System

```

    CHENG PASSWORD.cs CHENG PASSW...cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design]
    BookManagement.cs DashBord.cs [Design] DashBord.cs UserProfileM...ent.cs [Design] fromLogin.cs* fromLogin.cs [Design]* Program.cs
    BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

    Public Library management System Public Library management System.fromLogin fromLogin()

    75
    76     string sql = $"INSERT INTO AttendanceTable VALUES ('{UserId}', '{today}', 'Present');";
    77     bool result = dB.exuquery(sql);
    78     if(result)
    79     {
    80         MessageBox.Show(today.ToString());
    81     }
    82     else
    83     {
    84         MessageBox.Show(UserId + " Absent");
    85     }
    86     1 reference void Checkattendance()
    87     {
    88         string UserId = Systems.LoggedUSER_ID;
    89         DateTime today = DateTime.Now;
    90         string sql = $"SELECT [Attendance Date] From AttendanceTable Where User_Id='{UserId}' AND [Attendance Date]={today}";
    91         DataTable dt = dB.search(sql);
    92         if (dt.Rows.Count < 1)
    93         {
    94             Attendance();
    95         }
    96         else
    97         {
    98             MessageBox.Show("attendance Is Alredy Present ");
    99         }
    100    }
    101    1 reference
    102    private void FLtextUsername_MouseClick(object sender, MouseEventArgs e)
    103    {
    104        FLtextUsername.Clear();
    105    }
    106    1 reference
    107    private void FLtextPassworded_MouseClick(object sender, MouseEventArgs e)
    108    {
    109        FLtextPassworded.Clear();
    110    }
    111    1 reference
    112    private void FLlinkLblForgrtpassword_LinkClicked_1(object sender, LinkLabelLinkClickedEventArgs e)
    113    {
    114        ForgetPasswordf FP = new ForgetPasswordf();
    115        this.Hide();
    116        FP.Show();
    117    }
    118    1 reference
    119    private void fromLogin_Load(object sender, EventArgs e)
    120    {
    121    }
    122    1
    123    1
    124    1
    125    1
    126    1
    127    1
    128    1

```

No issues found

Output

Show output from: Debug

Ready

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

Live Share

Solution Explorer Git Changes Properties

100% No issues found Ln: 18 Ch: 35 SPC CRLF

Output Show output from: Debug

Add to Source Control Select Repository 4:22 PM 11/15/2023

Ready

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

Live Share

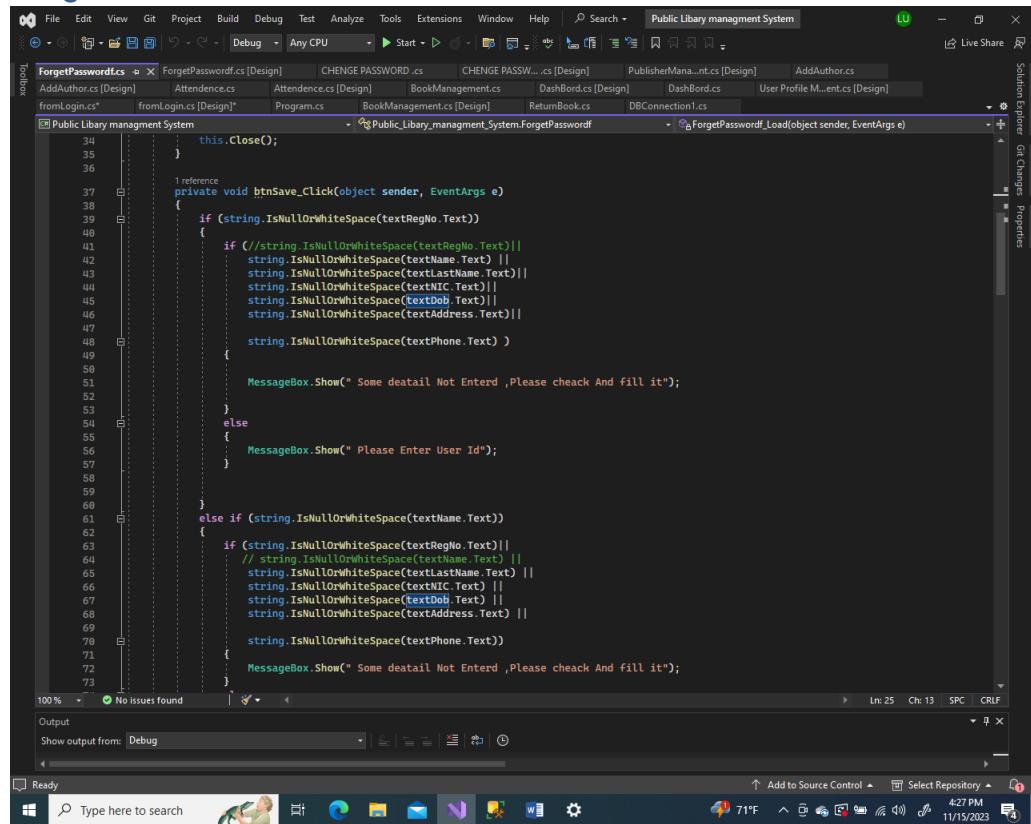
Solution Explorer Git Changes Properties

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Output Show output from: Debug

Add to Source Control Select Repository 4:22 PM 11/15/2023

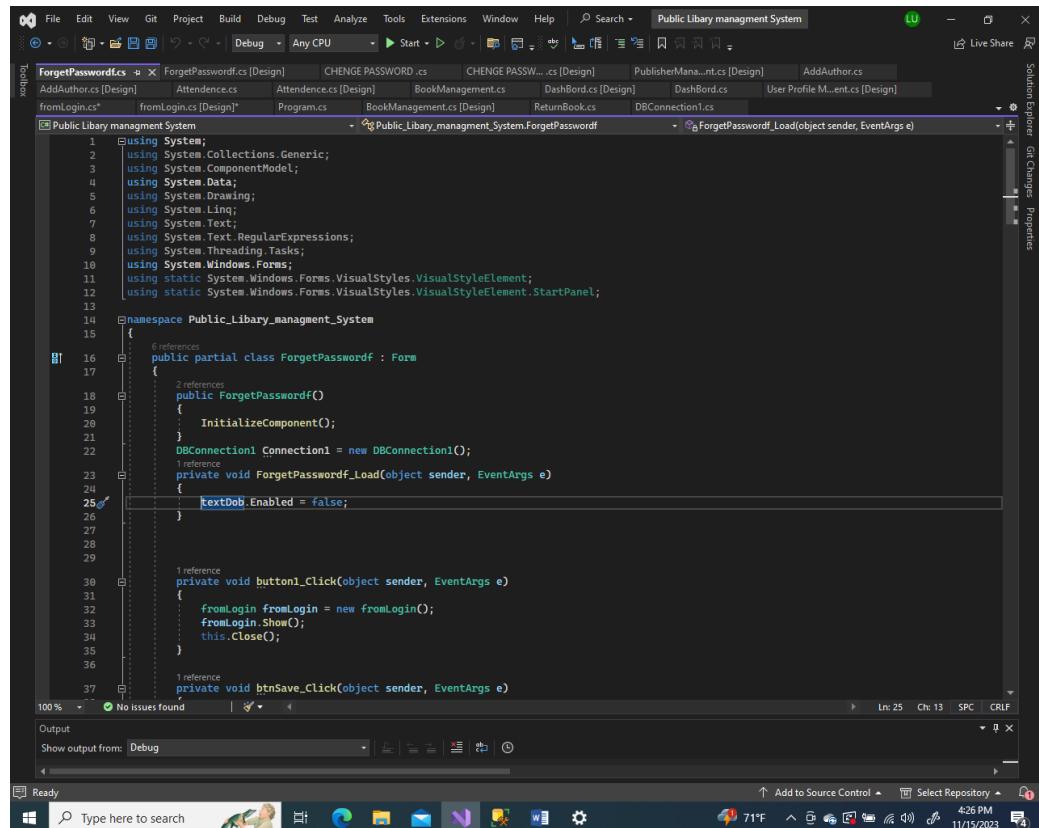
Forget Password



The screenshot shows the Microsoft Visual Studio IDE interface. The title bar reads "Public Library management System". The main window displays the code for "ForgetPassword.cs". The code handles the validation of user input for a password reset. It checks if required fields like User ID, Name, Last Name, NIC, DOB, Address, and Phone number are filled. If any field is empty, it shows a message box indicating the error. The code uses MessageBox.Show() to display errors and .IsNullOrEmptyWhiteSpace() method to check for empty or whitespace-only strings.

```

34     this.Close();
35   }
36 
37   private void btnSave_Click(object sender, EventArgs e)
38   {
39     if (String.IsNullOrEmptyWhiteSpace(textBoxRegNo.Text))
40     {
41       if ((//String.IsNullOrEmptyWhiteSpace(textBoxName.Text) ||
42           string.IsNullOrEmptyWhiteSpace(textBoxLastName.Text) ||
43           string.IsNullOrEmptyWhiteSpace(textBoxNIC.Text) ||
44           string.IsNullOrEmptyWhiteSpace(textBoxDOB.Text) ||
45           string.IsNullOrEmptyWhiteSpace(textBoxAddress.Text)) ||
46 
47         string.IsNullOrEmptyWhiteSpace(textBoxPhone.Text))
48       {
49         MessageBox.Show(" Some detail Not Entered ,Please check And fill it");
50       }
51     }
52     else
53     {
54       MessageBox.Show(" Please Enter User Id");
55     }
56   }
57 
58   }
59 
60   else if (string.IsNullOrEmptyWhiteSpace(textBoxName.Text))
61   {
62     if (string.IsNullOrEmptyWhiteSpace(textBoxRegNo.Text) ||
63       //String.IsNullOrEmptyWhiteSpace(textBoxName.Text) ||
64       string.IsNullOrEmptyWhiteSpace(textBoxLastName.Text) ||
65       string.IsNullOrEmptyWhiteSpace(textBoxNIC.Text) ||
66       string.IsNullOrEmptyWhiteSpace(textBoxDOB.Text) ||
67       string.IsNullOrEmptyWhiteSpace(textBoxAddress.Text) ||
68 
69       string.IsNullOrEmptyWhiteSpace(textBoxPhone.Text))
70     {
71       MessageBox.Show(" Some detail Not Entered ,Please check And fill it");
72     }
73   }
74 }
75 
```



This screenshot shows the same Microsoft Visual Studio interface as the previous one, but with a different section of the "ForgetPassword.cs" code visible. It includes the initial imports at the top and defines a partial class "ForgetPassword" that inherits from "Form". The code then moves to the "button1_Click" event handler, which creates a new instance of the "fromLogin" form, shows it, and then closes the current form. The "textDob" text box is set to disabled state.

```

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.Text.RegularExpressions;
9  Using System.Threading.Tasks;
10 Using System.Windows.Forms;
11 Using static System.Windows.Forms.VisualStyles.VisualStyleElement;
12 Using static System.Windows.Forms.VisualStyles.VisualStyleElement.StartPanel;
13 
14 Namespace Public_Library_management_System
15 {
16   // References
17   public partial class ForgetPassword : Form
18   {
19     // 2 references
20     public ForgetPassword()
21     {
22       InitializeComponent();
23     }
24     DBConnection1 Connection1 = new DBConnection1();
25     private void ForgetPassword_Load(object sender, EventArgs e)
26     {
27       textDob.Enabled = false;
28     }
29 
30     private void button1_Click(object sender, EventArgs e)
31     {
32       fromLogin fromLogin = new fromLogin();
33       fromLogin.Show();
34       this.Close();
35     }
36 
37     private void btnSave_Click(object sender, EventArgs e)
38     {
39   
```

Public Library management System

```

    string.IsNullOrWhiteSpace(textPhone.Text))
    {
        MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
    }
    else
    {
        MessageBox.Show(" Please Enter Frist Name");
    }
}

else if (string.IsNullOrWhiteSpace(textLastName.Text))
{
    if (string.IsNullOrWhiteSpace(textRegNo.Text) ||
        string.IsNullOrWhiteSpace(textName.Text) ||
        string.IsNullOrWhiteSpace(textLastName.Text) ||
        string.IsNullOrWhiteSpace(textNIC.Text) ||
        string.IsNullOrWhiteSpace(textDOB.Text) ||
        string.IsNullOrWhiteSpace(textAddress.Text) ||
        string.IsNullOrWhiteSpace(textPhone.Text))

    {
        MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
    }
    else
    {
        MessageBox.Show(" Please Enter Last Name");
    }
}

else if (string.IsNullOrWhiteSpace(textNIC.Text))
{
    if (string.IsNullOrWhiteSpace(textRegNo.Text) ||
        string.IsNullOrWhiteSpace(textName.Text) ||
        string.IsNullOrWhiteSpace(textLastName.Text) ||
        // string.IsNullOrWhiteSpace(textNIC.Text) ||
        string.IsNullOrWhiteSpace(textDOB.Text) ||
        string.IsNullOrWhiteSpace(textAddress.Text) ||
        string.IsNullOrWhiteSpace(textPhone.Text))

    {
        MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
    }
}

```

No issues found

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

ForgetPasswordf.cs [Design] CHENGE PASSWORD .cs CHENGE PASSW...cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs
AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design] BookManagement.cs DashBord.cs DashBord.cs UserProfile M...ent.cs [Design]
fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System.ForgetPasswordf

ForgetPasswordf_Load(object sender, EventArgs e)

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Output

Show output from: Debug

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

ForgetPasswordf.cs [Design] CHENGE PASSWORD .cs CHENGE PASSW...cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs
AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design] BookManagement.cs DashBord.cs DashBord.cs UserProfile M...ent.cs [Design]
fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System

ForgetPasswordf_Load(object sender, EventArgs e)

```

    string.IsNullOrWhiteSpace(textPhone.Text))
    {
        MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
    }
    else
    {
        MessageBox.Show(" Please Enter NIC Number");
    }
}

else if (string.IsNullOrWhiteSpace(textDOB.Text))
{
    if (string.IsNullOrWhiteSpace(textRegNo.Text) ||
        string.IsNullOrWhiteSpace(textName.Text) ||
        string.IsNullOrWhiteSpace(textLastName.Text) ||
        string.IsNullOrWhiteSpace(textNIC.Text) ||
        //string.IsNullOrWhiteSpace(textDOB.Text) ||
        string.IsNullOrWhiteSpace(textAddress.Text) ||
        string.IsNullOrWhiteSpace(textPhone.Text))

    {
        MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
    }
    else
    {
        MessageBox.Show(" Select Your date of Brith");
    }
}

else if (string.IsNullOrWhiteSpace(textAddress.Text))
{
    if (string.IsNullOrWhiteSpace(textRegNo.Text) ||
        string.IsNullOrWhiteSpace(textName.Text) ||
        string.IsNullOrWhiteSpace(textLastName.Text) ||
        string.IsNullOrWhiteSpace(textNIC.Text) ||
        string.IsNullOrWhiteSpace(textDOB.Text) ||
        // string.IsNullOrWhiteSpace(textAddress.Text) ||
        string.IsNullOrWhiteSpace(textPhone.Text))

    {
        MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
    }
}

```

No issues found

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

ForgetPasswordf.cs [Design] CHENGE PASSWORD .cs CHENGE PASSW...cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs
AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design] BookManagement.cs DashBord.cs DashBord.cs UserProfile M...ent.cs [Design]
fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System

ForgetPasswordf_Load(object sender, EventArgs e)

100% No issues found

Output

Show output from: Debug

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ForgetPasswordf.cs [Design] CHENGE PASSWORD .cs CHENGE PASSW...cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs
AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design] BookManagement.cs DashBord.cs DashBord.cs UserProfile M...ent.cs [Design]
fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System

ForgetPasswordf_Load(object sender, EventArgs e)

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ForgetPassword.cs [Design] CHENGE_PASSWORD.cs CHENGE_PASSWORD.cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs
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fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System

```

144 // string.IsNullOrWhiteSpace(textAddress.Text) ||
145
146 {
147     if (string.IsNullOrWhiteSpace(textPhone.Text))
148     {
149         MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
150     }
151     else
152     {
153         MessageBox.Show(" Please Enter your Address");
154     }
155 }
156 else if (string.IsNullOrWhiteSpace(textPhone.Text))
157 {
158     if (string.IsNullOrWhiteSpace(textRegNo.Text) ||
159         string.IsNullOrWhiteSpace(textName.Text) ||
160         string.IsNullOrWhiteSpace(textLastName.Text) ||
161         string.IsNullOrWhiteSpace(textNIC.Text) ||
162         string.IsNullOrWhiteSpace(textDob.Text) ||
163         string.IsNullOrWhiteSpace(textAddress.Text) )
164
165
166
167     {
168         MessageBox.Show(" Some deatail Not Enterd ,Please cheack And fill it");
169     }
170     else
171     {
172         MessageBox.Show(" Please Enter your Contact Number");
173     }
174 }
175 else
176 {
177     string REGNO = textRegNo.Text;
178     string name = textName.Text;
179     string lastName = textLastName.Text;
180     string NIC = textNIC.Text;
181     string dob = textDob.Text;
182     string address = textAddress.Text;
183     string phone = textPhone.Text;
184 }
```

No issues found | Output Show output from: Debug

Add to Source Control Select Repository 4:27 PM 11/15/2023

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ForgetPassword.cs [Design] CHENGE_PASSWORD.cs CHENGE_PASSWORD.cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs
AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design] BookManagement.cs DashBord.cs DashBord.cs UserProfile M...ent.cs [Design]
fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System

```

177
178     string REGNO = textRegNo.Text;
179     string name = textName.Text;
180     string lastName = textLastName.Text;
181     string NIC = textNIC.Text;
182     string dob = textDob.Text;
183     string address = textAddress.Text;
184     string phone = textPhone.Text;
185     string sql = $"SELECT * FROM UserTable Where USER_ID='{REGNO}' And NIC='{NIC}' And FIRST_NAME ='{name}' And LAST_NAME='{lastName}'";
186     DataTable dt = Connection1.search(sql);
187     if (dt.Rows.Count > 0)
188     {
189         CHENGE_PASSWORD chENGE_PASSWORD = new CHENGE_PASSWORD();
190         chENGE_PASSWORD.Show();
191         this.Hide();
192         Systemcs.FrogetUSER_ID = REGNO;
193     }
194     else
195     {
196         MessageBox.Show(" Your Deatil is wrong");
197     }
198 }
199
200
201 private void Dateofbirth_ValueChanged_1(object sender, EventArgs e)
202 {
203     textDob.Text = Dateofbirth.Value.ToString("yyyy-MM-dd");
204 }
205
206 private void ClearBtn_Click(object sender, EventArgs e)
207 {
208     textRegNo.Text = "";
209     textName.Text = "";
210     textLastName.Text = "";
211     textNIC.Text = "";
212     textAddress.Text = "";
213     textDob.Text = "";
214     textPhone.Text = "";
215     Systemcs.FrogetUSER_ID = "";
```

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Add to Source Control Select Repository 4:27 PM 11/15/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search - Public Library management System

ForgetPassworddf.cs ForgetPassword.cs [Design] CHENGE_PASSWORD.cs [Design] CHENGE_PASSWORD...cs [Design] PublisherMan...nt.cs [Design] AddAuthor.cs
AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design] BookManagement.cs DashBord.cs [Design] DashBord.cs UserProfile M...ent.cs [Design]
fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System Public_Library_management_System.CHENGE_PASSWORD button2_Click(object sender, EventArgs e)

```

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 static System.Windows.Forms.VisualStyles.VisualStyleElement.StartPanel;
11
12 namespace Public_Library_management_System
13 {
14     public partial class CHENGE_PASSWORD : Form
15     {
16         public CHENGE_PASSWORD()
17         {
18             InitializeComponent();
19         }
20         DBConnection1 DBConnection1 = new DBConnection1();
21
22         private void textPassword_TextChanged(object sender, EventArgs e)
23         {
24             textPassword.PasswordChar = '*';
25         }
26
27         private void CMpassword_TextChanged(object sender, EventArgs e)
28         {
29             CMpassword.PasswordChar = '*';
30         }
31
32         private void button1_Click(object sender, EventArgs e)
33         {
34             if (string.IsNullOrWhiteSpace(textUsername.Text))
35             {
36                 MessageBox.Show(" Please Enter User Name");
37             }
38         }
39     }
40     else if (string.IsNullOrWhiteSpace(textPassword.Text))
41     {
42         MessageBox.Show(" Please Enter Password");
43     }
44     else if (string.IsNullOrWhiteSpace(CMpassword.Text))
45     {
46         MessageBox.Show(" Please Confrom Your Password");
47     }
48     else
49     {
50         string USER_ID = Systemcs.FrogetUSER_ID;
51         string username = textUsername.Text;
52         string password = textPassword.Text;
53         string CMpassword = CMpassword.Text;
54
55         if (password == CMpassword)
56         {
57             string Sql = $"UPDATE UserTable SET USERNAME='{username}',PASSWORD='{CMpassword}' Where USER_ID='{USER_ID}'";
58             bool result = DBConnection1.exuquery(Sql);
59             if (result)
60             {
61                 MessageBox.Show("sucessful");
62                 textPassword.Text = "";
63                 textUsername.Text = "";
64                 CMpassword.Text = "";
65                 Systemcs.FrogetUSER_ID = "";
66                 this.Close();
67                 fromLogin fromLogin = new fromLogin();
68                 fromLogin.Show();
69             }
70             else
71             {
72                 MessageBox.Show("unsuccessfull");
73             }
74         }
75         else
76         {
77             MessageBox.Show("Passworded is deferent");
78         }
79     }
80 }

```

No issues found | Output Show output from: Debug | L: 91 Ch: 36 SPC CRLF

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AddAuthor.cs [Design] Attendance.cs Attendance.cs [Design] BookManagement.cs DashBord.cs [Design] DashBord.cs UserProfile M...ent.cs [Design]
fromLogin.cs* fromLogin.cs [Design]* Program.cs BookManagement.cs [Design] ReturnBook.cs DBConnection1.cs

Public Library management System Public_Library_management_System.CHENGE_PASSWORD button2_Click(object sender, EventArgs e)

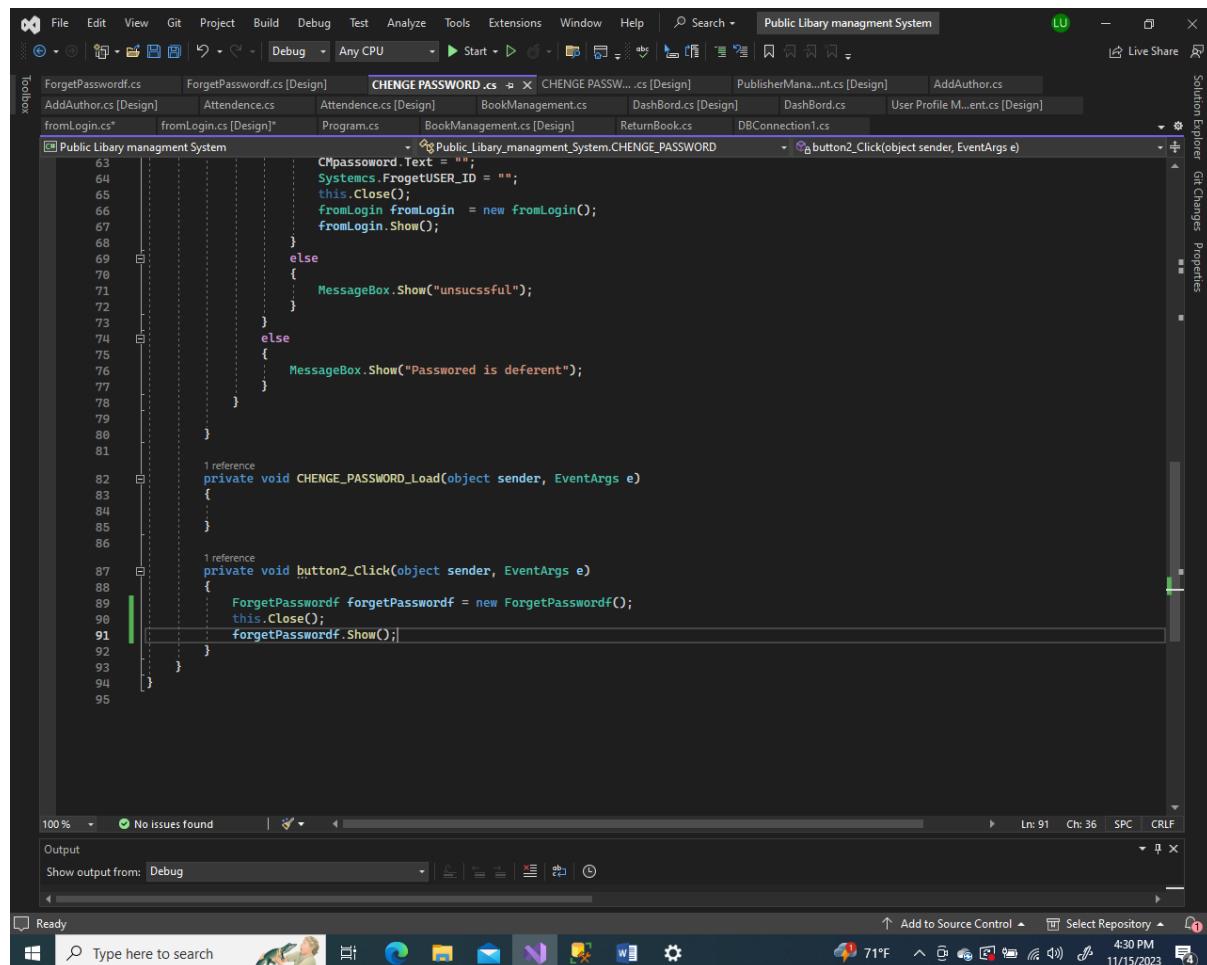
```

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```

No issues found | Output Show output from: Debug | L: 91 Ch: 36 SPC CRLF

Add to Source Control Select Repository 71°F 4:30 PM 11/15/2023



```

    63     CMpassword.Text = "";
    64     Systems.FrogetUSER_ID = "";
    65     this.Close();
    66     fromLogin fromLogin = new fromLogin();
    67     fromLogin.Show();
    68   }
    69   else
    70   {
    71     MessageBox.Show("unsucessful");
    72   }
    73   else
    74   {
    75     MessageBox.Show("Passworded is deferent");
    76   }
    77 }
    78 }
    79 }
    80 }
    81 }

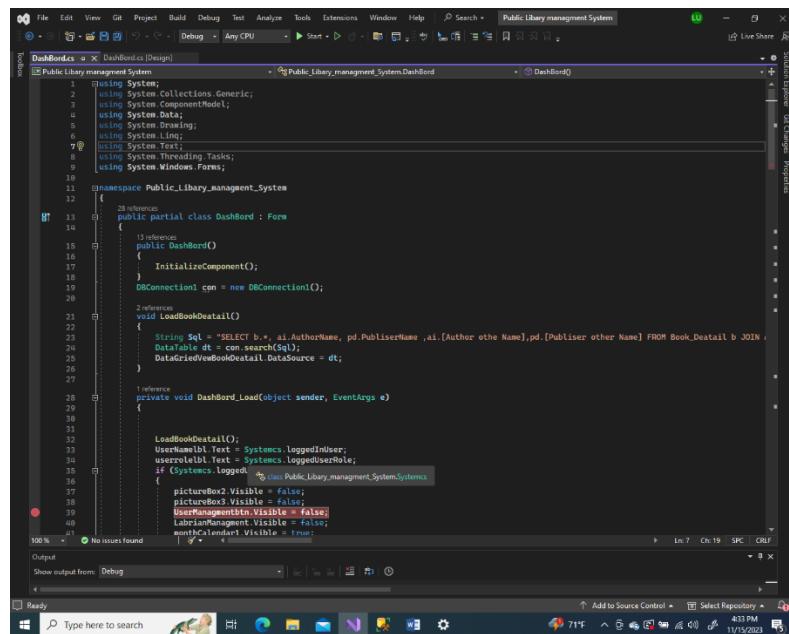
  1 reference
  82 private void CHENGE_PASSWORD_Load(object sender, EventArgs e)
  83 {
  84 }
  85 }
  86

  1 reference
  87 private void button2_Click(object sender, EventArgs e)
  88 {
  89   ForgetPasswordf forgetPasswordf = new ForgetPasswordf();
  90   this.Close();
  91   forgetPasswordf.Show();
  92 }
  93 }
  94 }
}

```

Output
Show output from: Debug

Dashboard Interface



```

  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
 11 namespace Public_Library_management_System
 12 {
 13   public partial class DashBord : Form
 14   {
 15     public DashBord()
 16     {
 17       InitializeComponent();
 18     }
 19     DBConnection1 con = new DBConnection1();
 20
 21     void LoadBookDetail()
 22     {
 23       String Sql = "SELECT b.* , ai.AuthorName , pd.PublisherName , ai.[Author othe Name] , pd.[Publisez other Name] FROM Book_Detail b JOIN ";
 24       DataTable dt = con.search(Sql);
 25       DataGridviewBookDetail.DataSource = dt;
 26     }
 27
 28     private void DashBord_Load(object sender, EventArgs e)
 29     {
 30
 31       LoadBookDetail();
 32       Usernamelbl.Text = Systems.loggedInUser;
 33       userRolelbl.Text = Systems.loggedUserRole;
 34       if (Systems.logged)
 35       {
 36         pictureBox2.Visible = false;
 37         pictureBox3.Visible = false;
 38         UserManagementbtn.Visible = false;
 39         LibrarianManagement.Visible = true;
 40         emplManagement.Visible = true;
 41       }
 42     }
 43 }

 100 % No issues found

```

Output
Show output from: Debug

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

DashBord.cs [Design] Public Library management System DashBord

```

35     if (SystemConfig.loggedUserRole.Trim().ToLower() != "admin")
36     {
37         pictureBox2.Visible = false;
38         pictureBox3.Visible = false;
39         UserManagementbtn.Visible = false;
40         LibrianManagement.Visible = false;
41         monthCalendar1.Visible = true;
42         DateTime today = DateTime.Now;
43         todayLbl.Text = today.ToString("dd-MMM-yyyy");
44     }
45     else
46     {
47         monthCalendar1.Visible = false;
48     }
49 }
50
51
52 }
53
54
55
56 }

1 reference
private void UserManagementbtn_Click(object sender, EventArgs e)
{
    CreateUser createUser = new CreateUser();
    createUser.Show();
    this.Hide();
}

0 references
private void ManageUserProfilebtn_Click(object sender, EventArgs e)
{
    User_Profile_Management UP = new User_Profile_Management();
    this.Hide();
    UP.Show();
}

1 reference
private void button2_Click(object sender, EventArgs e)
{
    BookManagement bookManagement = new BookManagement();
    this.Hide();
}

```

No issues found | Output Show output from: Debug | Add to Source Control Select Repository 433 PM 11/15/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

DashBord.cs [Design] Public Library management System DashBord

```

70 }
71
72 1 reference
73 private void button2_Click(object sender, EventArgs e)
74 {
75     BookManagement bookManagement = new BookManagement();
76     this.Hide();
77     bookManagement.Show();
78 }

79
80 1 reference
81 private void button3_Click(object sender, EventArgs e)
82 {
83     ViewReaderfrom viewReaderfrom = new ViewReaderfrom();
84     this.Hide();
85     viewReaderfrom.Show();
86 }

87
88 1 reference
89 private void button5_Click(object sender, EventArgs e)
90 {
91     AuthorManagement authorManagement = new AuthorManagement();
92     this.Hide();
93     authorManagement.Show();
94 }

95
96 1 reference
97 private void button6_Click(object sender, EventArgs e)
98 {
99     PublisherManagement publisher = new PublisherManagement();
100    this.Hide();
101    publisher.Show();
102 }

103
104 1 reference
105 private void button4_Click(object sender, EventArgs e)
106 {
107     ReturnBook returnBook = new ReturnBook();
108     this.Hide();
109     returnBook.Show();
110 }

111
112
113
114
115
116
117
118
119

```

No issues found | Output Show output from: Debug | Add to Source Control Select Repository 434 PM 11/15/2023

Public Library management System

```

103
104     private void button4_Click(object sender, EventArgs e)
105     {
106         ReturnBook returnBook = new ReturnBook();
107         this.Hide();
108         returnBook.Show();
109     }
110
111     private void button4_Click_1(object sender, EventArgs e)
112     {
113         IssueBookFrom issuesBookFrom = new IssueBookFrom();
114         issuesBookFrom.Show();
115         this.Hide();
116     }
117
118     private void SearchBtn_Click(object sender, EventArgs e)
119     {
120         string SearchKey = textsearxh.Text;
121         string Sql = $"SELECT b.* ,ai.AuthorName,ai.[Author othe Name],pd.PublisherName,pd.[Publiser other Name] FROM Book_Detaail b JOIN Au-
122         DataTable dt = con.search(Sql);
123         DataGridviewBookDetaail.DataSource = dt;
124     }
125
126     private void Refeshbtn_Click(object sender, EventArgs e)
127     {
128         LoadBookDetaail();
129     }
130
131
132     private void LogOut_Click(object sender, EventArgs e)
133     {
134         Systemcs.loggedInUser = "";
135         Systemcs.loggedUserRole = "";
136         Systemcs.loggedpassword = "";
137         Systemcs.loggedUSER_ID = "";
138         fromLogin fromLogin = new fromLogin();
139         this.Close();
140         fromLogin.Show();
141     }
142
143
144     private void pictureBox1_Click(object sender, EventArgs e)
145     {
146         User_Profile_Managment um = new User_Profile_Managment();
147         this.Hide();
148         um.Show();
149     }
150
151
152     private void Upmanagementlbl_Click(object sender, EventArgs e)
153     {
154         User_Profile_Managment um = new User_Profile_Managment();
155         this.Hide();
156         um.Show();
157     }
158
159     private void pictureBox2_Click(object sender, EventArgs e)
160     {
161         CreateUser createUser = new CreateUser();
162         createUser.Show();
163         this.Hide();
164     }
165
166     private void LabrianManagement_Click(object sender, EventArgs e)
167     {
168         Attendance attendance = new Attendance();
169         attendance.Show();
170         this.Hide();
171     }
172
173 }
174

```

No issues found

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Public Library management System

Live Share

Solution Explorer Git Changes Properties

Add to Source Control Select Repository

71°F 4:34 PM 11/15/2023

```

141     fromLogin.Show();
142
143
144     private void pictureBox1_Click(object sender, EventArgs e)
145     {
146         User_Profile_Managment um = new User_Profile_Managment();
147         this.Hide();
148         um.Show();
149     }
150
151
152     private void Upmanagementlbl_Click(object sender, EventArgs e)
153     {
154         User_Profile_Managment um = new User_Profile_Managment();
155         this.Hide();
156         um.Show();
157     }
158
159     private void pictureBox2_Click(object sender, EventArgs e)
160     {
161         CreateUser createUser = new CreateUser();
162         createUser.Show();
163         this.Hide();
164     }
165
166     private void LabrianManagement_Click(object sender, EventArgs e)
167     {
168         Attendance attendance = new Attendance();
169         attendance.Show();
170         this.Hide();
171     }
172
173 }
174

```

No issues found

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Public Library management System

Live Share

Solution Explorer Git Changes Properties

Add to Source Control Select Repository

71°F 4:34 PM 11/15/2023

User Profile management

```

    string UserName = dt.Rows[0][4].ToString();
    textUsername.Text = UserName;

    string Password = dt.Rows[0][5].ToString();
    textPassword.Text = Password;
    string Nic = dt.Rows[0][1].ToString();
    textNIC.Text = Nic;
    string UserRole = dt.Rows[0][6].ToString();
    comboBox1.Text = UserRole;
    string Phone = dt.Rows[0][7].ToString(); ; textPhone.Text = Phone;
    string Dob = dt.Rows[0][8].ToString(); ; textDob.Text = Dob;
    string Address = dt.Rows[0][9].ToString(); ; textAddress.Text = Address;
}

private void btnSave_Click_1(object sender, EventArgs e)
{
    if (string.IsNullOrWhiteSpace(textName.Text) ||
        string.IsNullOrWhiteSpace(textAddress.Text) || string.IsNullOrWhiteSpace(textPhone.Text) ||
        string.IsNullOrWhiteSpace(comboBox1.Text) || string.IsNullOrWhiteSpace(textUsername.Text) || string.IsNullOrWhiteSpace(textPasswo:
    {
        MessageBox.Show("Please fill Your Detail");
    }
    else
    {
        string RegNo1 = textRegNo.Text;
        string Name = textName.Text.Trim();
        string LastName = textLastName.Text.Trim();
        string NIC = textNIC.Text.Trim();
        string Adress = textAddress.Text.Trim();
        string DOB = textDob.Text;
        string phone = textPhone.Text.Trim();
        string role = comboBox1.Text;
        string username = textUsername.Text.Trim();
        string password = textPassword.Text;
        string CMpassword = CMpassword.Text;
        if(password== CMpassword)
    }
}

```



```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using static System.Windows.Forms.VisualStyleElement.StartPanel;

namespace Public_Library_management_System
{
    public partial class User_Profile_Management : Form
    {
        public User_Profile_Management()
        {
            InitializeComponent();
        }
        DBConnection1 con = new DBConnection1();

        private void User_Profile_Management_Load(object sender, EventArgs e)
        {
            UserNameDisplay.Text = Systems.loggedInUser;
            UserRoleDisplayText.Text = Systems.loggedUserRole;
            UserNameDisplay.Enabled = false;
            UserRoleDisplayText.Enabled = false;
            textRegNo.Enabled = false;
            textRegNo.Text = Systems.loggedUSER_ID;
            textDob.Enabled = false;
            string REGNO = textRegNo.Text.Trim();
            string sql = $"SELECT * FROM UserTable Where USER_ID='{REGNO}' ";
            DataTable dt = con.search(sql);

            if (dt.Rows.Count > 0)
            {
                string firstName = dt.Rows[0][2].ToString();
                textName.Text = firstName;
                string LastName = dt.Rows[0][3].ToString();
                textLastName.Text = LastName;
                string UserName = dt.Rows[0][4].ToString();
                textUsername.Text = UserName;
            }
        }
    }
}

```

User Profile Management.cs - X DashBord.cs [Design]

```

79     string username = textUsername.Text.Trim();
80     string password = textPassword.Text;
81     string CMpassword = CMpassword.Text;
82     if(password== CMpassword)
83     {
84         string Sql = $"UPDATE UserTable SET USER_ID='{RegNo1}',NIC='{NIC}',FRIST_NAME ='{Name}',LAST_NAME='{LastName}',USERNAME='{username}',PASSWORD='{password}'";
85         bool result = con.exuxquery(Sql);
86         if (result)
87         {
88             MessageBox.Show("successful");
89         }
89     }
90     else
91     {
92         MessageBox.Show("unsuccssful");
93     }
94 }
95 else
96 {
97     MessageBox.Show("Passwod is defferent ,Cheack And Try again");
98 }
99 }
100 }
101 }
102 }
103 }
104 }
105 }

2 references
private void Dateofbirth_ValueChanged(object sender, EventArgs e)
{
    textDob.Text = Dateofbirth.Value.ToString("yyyy-MM-dd");
}

0 references
private void textName_Click(object sender, EventArgs e)
{
    textName.Clear();
}

1 reference
private void textLastName_Click(object sender, EventArgs e)
{
    textLastName.Clear();
}

```

No issues found

Output

Show output from: Debug

WhatsApp

SLIIT OCTOMBER 2023 (UNOFFICIAL GP) ~Thusara: *219

106 unread messages

Type a reply

User Profile Management.cs - X DashBord.cs [Design]

```

79     string username = textUsername.Text.Trim();
80     string password = textPassword.Text;
81     string CMpassword = CMpassword.Text;
82     if(password== CMpassword)
83     {
84         string Sql = $"UPDATE UserTable SET USER_ID='{RegNo1}',NIC='{NIC}',FRIST_NAME ='{Name}',LAST_NAME='{LastName}',USERNAME='{username}',PASSWORD='{password}'";
85         bool result = con.exuxquery(Sql);
86         if (result)
87         {
88             MessageBox.Show("successful");
89         }
89     }
90     else
91     {
92         MessageBox.Show("unsuccssful");
93     }
94 }
95 else
96 {
97     MessageBox.Show("Passwod is defferent ,Cheack And Try again");
98 }
99 }
100 }
101 }
102 }
103 }
104 }
105 }

2 references
private void Dateofbirth_ValueChanged(object sender, EventArgs e)
{
    textDob.Text = Dateofbirth.Value.ToString("yyyy-MM-dd");
}

0 references
private void textName_Click(object sender, EventArgs e)
{
    textName.Clear();
}

1 reference
private void textLastName_Click(object sender, EventArgs e)
{
    textLastName.Clear();
}

```

No issues found

Output

Show output from: Debug

WhatsApp

SLIIT OCTOMBER 2023 (UNOFFICIAL GP) ~Thusara: *219

106 unread messages

Type a reply

User Profile Management.cs -> DashBord.cs [Design]

```

106
107     2 references
108     private void Dateofbirth_ValueChanged(object sender, EventArgs e)
109     {
110         textDob.Text = Dateofbirth.Value.ToString("yyyy-MM-dd");
111     }
112
113     0 references
114     private void _textName_Click(object sender, EventArgs e)
115     {
116         textName.Clear();
117     }
118
119     1 reference
120     private void _textLastName_Click(object sender, EventArgs e)
121     {
122         textLastName.Clear();
123     }
124
125     1 reference
126     private void _textNIC_Click(object sender, EventArgs e)
127     {
128         textNIC.Clear();
129     }
130
131     1 reference
132     private void _textAddress_Click(object sender, EventArgs e)
133     {
134         textAddress.Clear();
135     }
136
137     1 reference
138     private void _textPhone_Click(object sender, EventArgs e)
139     {
140         textPhone.Clear();
141     }
142
143     1 reference
144     private void _textUsername_Click(object sender, EventArgs e)
145     {
146         textUsername.Clear();
147     }
148
149     1 reference
150     private void _textPassword_Click(object sender, EventArgs e)
151     {
152         textPassword.Clear();
153     }
154
155     1 reference
156     private void Clearbtn_Click(object sender, EventArgs e)
157     {
158         textPassword.Text = "";
159
160         textName.Text = "";
161         textLastName.Text = "";
162         textNIC.Text = "";
163         textAddress.Text = "";
164         textDob.Text = "";
165         textPhone.Text = "";
166         comboBox1.Text = "";
167         textPassword.Text = "";
168         textUsername.Text = "";
169         CMpassword.Text = "";
170         textUserName.Text = "";
171     }
172
173     Change - Not Saved
174     private void btnBack_Click(object sender, EventArgs e)
175     {
176         DashBord dashBord = new DashBord();
177         this.Close();
178         dashBord.Show();
179     }

```

No issues found

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Public Library management System

Solution Explorer Git Changes Properties

Live Share

Add to Source Control Select Repository

71°F 4:37 PM 11/15/2023

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User Profile Management.cs* DashBord.cs [Design]

```

162 }
163 }
164 }
165 }

166     1 reference
167     private void btnBack_Click(object sender, EventArgs e)
168     {
169         DashBord dashBord = new DashBord();
170         this.Close();
171         dashBord.Show();
172     }

173     1 reference
174     private void textPassword_TextChanged(object sender, EventArgs e)
175     {
176         // textPassword.PasswordChar = '*';
177     }

178     1 reference
179     private void CMpassword_TextChanged(object sender, EventArgs e)
180     {
181         CMpassword.PasswordChar = '*';
182     }

183     1 reference
184     private void textName_MouseClick(object sender, MouseEventArgs e)
185     {
186         if (string.IsNullOrEmpty(textName.Text))
187         {
188             string REGNo = textRegNo.Text.Trim();
189             string sql = $"SELECT * FROM UserTable Where USER_ID='{REGNo}' ";
190             DataTable dt = con.search(sql);

191             string fristName = dt.Rows[0][2].ToString();
192             textName.Text = fristName;
193             string LastName = dt.Rows[0][3].ToString();
194             textLastName.Text = LastName;
195             string UserName = dt.Rows[0][4].ToString();
196             textUsername.Text = UserName;

197             string Passworded = dt.Rows[0][5].ToString();
198             textPassword.Text = Passworded;
199             string Nic = dt.Rows[0][1].ToString();
200             textNIC.Text = Nic;
201             string UserRole = dt.Rows[0][6].ToString();
202         }
203     }

```

No issues found | Output Show output from: Debug

Add to Source Control Select Repository 4:38 PM 11/15/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

Reader_Management.cs* Reader_Manag...cs [Design]* CreateUser.cs [Design]* CreateUsers* DashBord.cs [Design]

```

201 button1.Visible = true;
202 panel1.Visible = true; panel2.Visible=false;
203 textRegNo.Clear();
204
205 }

206     0 references
207     private void AddUser_Click(object sender, EventArgs e)
208     {
209         textUsername.Enabled = true;
210         //button1.Visible = false;
211         btnSave.Visible = true;
212         //textEnterId.Visible = false; Enterlbl.Visible=false;
213
214         panel1.Visible = true;
215         panel2.Visible = true;
216     }

217     1 reference
218     private void button1_Click_1(object sender, EventArgs e)
219     {
220
221         string ENTERID = textEnterId.Text.Trim();
222         string sql = $"SELECT * FROM UserTable Where USER_ID='{ENTERID}' ";
223         DataTable dt = con.search(sql);
224
225
226         if (dt.Rows.Count > 0)
227         {
228             datagridviewUserTable.DataSource = dt;
229             panel2.Visible = true; panel1.Visible = true;
230
231             string fristName = dt.Rows[0][2].ToString();
232             textName.Text = fristName;
233             string LastName = dt.Rows[0][3].ToString();
234             textLastName.Text = LastName;
235             string UserName = dt.Rows[0][4].ToString();
236             Passworded = dt.Rows[0][5].ToString();
237             string Nic = dt.Rows[0][1].ToString();
238             textNIC.Text = Nic;
239             string UserRole = dt.Rows[0][6].ToString();
240             string Phone = dt.Rows[0][7].ToString(); textPhone.Text = Phone;
241             string Dob = dt.Rows[0][8].ToString(); textDob.Text = Dob;
242
243         }
244     }

```

No issues found | Output Show output from: Debug

Add to Source Control Select Repository 5:12 PM 11/15/2023

Public Library management System

```

241     string phone = dt.Rows[0][1].ToString(); textPhone.Text = phone;
242     string Dob = dt.Rows[0][8].ToString(); textDob.Text = Dob;
243     string Address = dt.Rows[0][9].ToString(); textAddress.Text = Address;
244     textRegNo.Text = ENTERID;
245   }
246   else
247   {
248     if (string.IsNullOrWhiteSpace(textEnterId.Text))
249     {
250       MessageBox.Show("Please Enter User Id");
251       loaddatatable();
252     }
253     else
254     {
255       textName.Text = "";
256       textLastName.Text = "";
257       textNIC.Text = "";
258       comboBox1.Text = "";
259       textPhone.Text = "";
260       textDob.Text = "";
261       textAddress.Text = "";
262       MessageBox.Show("User ID Id Is Invalid");
263     }
264   }
265 }
266
1 reference
private void UpdateSave_Click(object sender, EventArgs e)
{
  if (string.IsNullOrEmpty(textRegNo.Text) || string.IsNullOrEmpty(textName.Text) ||
  string.IsNullOrEmpty(textAddress.Text) || string.IsNullOrEmpty(textDob.Text) || string.IsNullOrEmpty(textPhone.Text) ||
  string.IsNullOrEmpty(comboBox1.Text))
  {
    MessageBox.Show("Please Enter Your Deatail");
  }
  else
  {
    string RegNo1 = textRegNo.Text;
    string Name = textName.Text.Trim();
    string LastName = textLastName.Text.Trim();
    string NIC = textNIC.Text.Trim();
    string Address = textAddress.Text.Trim();
    string DOB = textDob.Text;
    // string UserName = textName.Text.Trim() + Dateofbirth.Value.ToString("yyyy");
  }
}

```

No issues found

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Live Share

Solution Explorer Git Changes Properties

Public Library management System

```

282
283   // string UserName = textName.Text.Trim() + Dateofbirth.Value.ToString("yyyy");
284   // string Password = UserName;
285   string phone = textPhone.Text.Trim();
286   str str Represents text as a sequence of UTF-16 code units. IIC',FIRST_NAME ='{Name}',LAST_NAME ='{LastName}',UserRole= '{role}',Phone='{phone}'
287   boo
288
289   if (result)
290   {
291     MessageBox.Show("sucessful");
292     //MessageBox.Show("User Name :-" + UserName + "/n"
293     //+ "Password :-" + Password);
294
295     textRegNo.Text = "";
296     textEnterId.Text = "";
297     textName.Text = "";
298     textLastName.Text = "";
299     textNIC.Text = "";
300     textAddress.Text = "";
301     textDob.Text = "";
302     textPhone.Text = "";
303     comboBox1.Text = "";
304     //AutoIdnumber();
305     loaddatatable();
306   }
307   else
308   {
309     MessageBox.Show("unsuccsful");
310   }
311 }
312
313
314
1 reference
private void Dateofbirth_ValueChanged_1(object sender, EventArgs e)
{
  textDob.Text= Dateofbirth.Value.ToString("yyyy-MM-dd");
}

```

No issues found

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Live Share

Solution Explorer Git Changes Properties

Public Library management System

```

323     string.IsNullOrWhiteSpace(textBoxAddress.Text) && string.IsNullOrWhiteSpace(comboBox1.Text) && string.IsNullOrWhiteSpace(textBoxPhone.Text) && string.IsNullOrWhiteSpace(textBoxUsername.Text) && string.IsNullOrWhiteSpace(textBoxPassword.Text))
324     {
325         MessageBox.Show("No Fill Detail");
326     }
327     else
328     {
329         textBoxName.Text = "";
330         textBoxLastName.Text = "";
331         textBoxNIC.Text = "";
332         textBoxAddress.Text = "";
333         textBoxDob.Text = "";
334         textBoxPhone.Text = "";
335         comboBox1.Text = "";
336         UserName = "";
337         Password = "";
338     }
339 }
340 }
341 }
342 }

0 references
343 private void btnDelete_Click(object sender, EventArgs e)
344 {
345     textBoxEnterId.Visible = true;
346     //Enterlbl.Visible = true;
347     button1.Visible = true;
348     panel1.Visible = true; panel2.Visible = false;
349     textRegNo.Clear();
350 }
351 }
352 }

1 reference
353 private void btnBack_Click(object sender, EventArgs e)
354 {
355     DashBord dashBord = new DashBord();
356     this.Hide();
357     dashBord.Show();
358 }
359 }
360 }

0 references
361 private void textBoxUsername_MouseClick(object sender, MouseEventArgs e)
362 {
363     textBoxUsername.Clear();

```

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Live Share

Solution Explorer Git Changes Properties

Public Library management System

```

363     textBoxUsername.Clear();
364 }
365 }

1 reference
366 private void EditUserDetailbtn_Click(object sender, EventArgs e)
367 {
368     Enteridlbl.Visible = true; panel13.Visible = true;
369     UpdateSave.Visible = true;
370     textRegNo.Text = "";
371     //enable true
372     AddUser.Enabled = true;
373     DeleteUserDetail.Enabled = true;
374     // DeleteUserDetail.Enabled = true;
375     UpdateSave.Enabled = true;
376     //visible true
377     UpdateSave.Visible = true;
378     Enteridlbl.Visible = true;
379     textBoxEnterId.Visible = true;
380     button1.Visible = true;
381     //visible false
382     UPPANAL.Visible = false;
383     btnSave.Visible = false;
384     //disable btn
385     EditUserDetailbtn.Enabled = false;
386     btnSave.Enabled = false;
387     Delete.Enabled = false; Delete.Visible = false;
388     dDBUP.Visible = false;
389 }
390 }
391 }
392 }

1 reference
393 private void AddUser_Click_1(object sender, EventArgs e)
394 {
395     loaddatatable();
396     AutoIDNumber();
397     //visible true
398     UPPANAL.Visible = true;
399     btnSave.Visible = true;
400     //enable false
401     AddUser.Enabled = false;
402     button1.Visible = false;
403     UpdateSave.Enabled = false;
404     Enteridlbl.Visible = false; panel13.Visible = false;

```

Output

Show output from: Debug

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Live Share

Solution Explorer Git Changes Properties

Public Library management System

```

    Reader_Management.cs* Reader_Manag...t.cs [Design]* CreateUser.cs [Design]* CreateUsers* DashBord.cs [Design]
    Public Library management System.CreateUser
    AddUser_Click_1(object sender, EventArgs e)

    403     UpdateSave.Enabled = false;
    404     Enteridlbl.Visible = false; panel13.Visible = false;
    405     //Enable true
    406     EditUserDeatilbtn.Enabled = true;
    407     DeleteUserDeatil.Enabled = true;
    408     btnSave.Enabled = true;
    409     textEnterId.Visible = false;
    410     //Enterlbl.Visible=false;
    411     Delete.Visible = false;
    412     UpdateSave.Visible = false;
    413     textEnterId.Visible = false;
    414     dDBUP.Visible = false;
    415
    416
    417 }

    1 reference
    private void DeleteUserDeatil_Click(object sender, EventArgs e)
    {
        //disable
        DeleteUserDeatil.Enabled = false;
        UpdateSave.Enabled = false;
        btnSave.Enabled = false;
        //enable
        AddUser.Enabled = true;
        EditUserDeatilbtn.Enabled = true;

        Delete.Enabled = true;
        Enteridlbl.Visible = true;
        textEnterId.Visible = true;
        button1.Visible = true;

        //Dobole Click
        dDBUP.Visible = false;
        Delete.Visible = true;
    }

    //This method has 1 reference(s). (Alt+2)
    1 reference
    private void Delete_Click_1(object sender, EventArgs e)
    {

    }

    Output
    Show output from: Debug

```

Ready

Type here to search

Add to Source Control Select Repository 70°F 5:15 PM 11/19/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search

Reader_Management.cs* Reader_Manag...t.cs [Design]* CreateUser.cs [Design]* CreateUsers* DashBord.cs [Design]

Public Library management System.CreateUser

```

    AddUser_Click_1(object sender, EventArgs e)

    441
    442
    443     1 reference
    444     private void Delete_Click_1(object sender, EventArgs e)
    445     {
    446
    447         Enteridlbl.Visible = true; panel13.Visible = true;
    448         string Fillbtn = textRegNo.Text;
    449         string sql = "SELECT * FROM Usable Where USER_ID='Fillbtn'";
    450         DataTable dt = con.search(sql);
    451
    452         if (dt.Rows.Count > 0)
    453         {
    454             if (Systems.loggedUSER_ID == Fillbtn)
    455             {
    456                 MessageBox.Show("You can't Delete this Profile .you Are Alredy Loged this Profile");
    457             }
    458
    459             if (dt.Rows.Count > 1)
    460                 dataGridViewUserTabale.DataSource = dt;
    461             panel2.Visible = true; panel1.Visible = true;
    462
    463             string fristName = dt.Rows[0][2].ToString();
    464             textName.Text = fristName;
    465             string lastName = dt.Rows[0][3].ToString();
    466             textLastName.Text = LastName;
    467             UserName = dt.Rows[0][4].ToString();
    468             Passworded = dt.Rows[0][5].ToString();
    469             string Nic = dt.Rows[0][1].ToString();
    470             textNIC.Text = Nic;
    471             string UserRole = dt.Rows[0][6].ToString();
    472             comboBox1.Text = UserRole;
    473             string Phone = dt.Rows[0][7].ToString(); textPhone.Text = Phone;
    474             string Dob = dt.Rows[0][8].ToString(); textDob.Text = Dob;
    475             string Address = dt.Rows[0][9].ToString(); textAddress.Text = Address;
    476             dDBUP.Visible = true; dDBUP.Enabled = true;
    477             Delete.Visible = false;
    478             UpdateSave.Visible = false;
    479             Cancel.Visible = true; Cancel.Enabled = true;
    480
    481         }
    482         else
    483     }
    484 }

    100% No issues found | L: 443 C: 5 SPC CRLF

```

Output

Show output from: Debug

Add to Source Control Select Repository 70°F 5:15 PM 11/19/2023

Ready

Type here to search

Add to Source Control Select Repository 70°F 5:15 PM 11/19/2023

```
480     Cansel.Visible = true; Cansel.Enabled = true;
481
482     }
483     else
484     {
485         MessageBox.Show("User Id Not Select");
486     }
487
488     dDBUP.Enabled = true;
489
490 }
491
492
493
494     1 reference
495     private void Cansel_Click(object sender, EventArgs e)
496     {
497         Clearbtn.Enabled = true; Clearbtn.Visible = true;
498         Cansel.Visible = false; Cansel.Enabled = false;
499         dDBUP.Enabled = false; dDBUP.Visible=false;
500         Delete.Enabled = true; Delete.Visible=true;
501     }
502
503     0 references
504     private void panel13_Paint(object sender, PaintEventArgs e)
505     {
506     }
507
508     1 reference
509     private void Search_Click(object sender, EventArgs e)
510     {
511         String Sql;
512         string searchKey = textsearch.Text;
513         if(int.TryParse(searchKey, out int searchId))
514         {
515             Sql = $"SELECT * From UserTable WHERE USER_ID={searchId} OR NIC LIKE '%{searchKey}%'";
516         }
517         else
518         {
519             Sql = $"SELECT * From UserTable WHERE NIC LIKE '{searchKey}' OR FRIST_NAME LIKE '{searchKey}' OR LAST_NAME LIKE '{searchKey}'";
520         }
521         DataTable dt = con.search(Sql);
522     }

```

Redder Management

Public Library management System

```

59     string.IsNullOrEmpty(textGaddress.Text) ||
60     string.IsNullOrEmpty(textGcontactNo.Text) ||
61     string.IsNullOrEmpty(textReaderId.Text) ||
62     string.IsNullOrEmpty(textFullName.Text) ||
63     string.IsNullOrEmpty(textNIC.Text) ||
64     string.IsNullOrEmpty(textDOBText.Text) ||
65     string.IsNullOrEmpty(textMobile.Text) ||
66     string.IsNullOrEmpty(textHomeAddress.Text) ||
67     string.IsNullOrEmpty(textReligionText.Text) ||
68     string.IsNullOrEmpty(textGfullname.Text) ||
69     string.IsNullOrEmpty(textGnicText.Text) ||
70     string.IsNullOrEmpty(textGcontactNoText.Text) ||
71     string.IsNullOrEmpty(textGassessmentNoText.Text) ||
72     string.IsNullOrEmpty(textGaddressText.Text) ||
73     string.IsNullOrEmpty(textGcontactText.Text) ||
74     string.IsNullOrEmpty(textGreligionText.Text) ||
75     string.IsNullOrEmpty(textGmobileText.Text) ||
76     string.IsNullOrEmpty(textGhomeAddressText.Text) ||
77     string.IsNullOrEmpty(textGfullnameText.Text) ||
78     string.IsNullOrEmpty(textGnicTextText.Text) ||
79     string.IsNullOrEmpty(textGcontactNoTextText.Text) ||
80     string.IsNullOrEmpty(textGassessmentNoTextText.Text) ||
81     string.IsNullOrEmpty(textGaddressTextText.Text) ||
82     string.IsNullOrEmpty(textGcontactTextText.Text) ||
83     string.IsNullOrEmpty(textGreligionTextText.Text) ||
84     string.IsNullOrEmpty(textGmobileTextText.Text) ||
85     string.IsNullOrEmpty(textGhomeAddressTextText.Text) ||
86     string.IsNullOrEmpty(textGfullnameTextText.Text) ||
87     string.IsNullOrEmpty(textGnicTextTextText.Text) ||
88     string.IsNullOrEmpty(textGcontactNoTextTextText.Text) ||
89     string.IsNullOrEmpty(textGassessmentNoTextTextText.Text) ||
90     string.IsNullOrEmpty(textGaddressTextTextText.Text) ||
91     string.IsNullOrEmpty(textGcontactTextTextText.Text) ||
92     string.IsNullOrEmpty(textGreligionTextTextText.Text) ||
93     string.IsNullOrEmpty(textGmobileTextTextText.Text) ||
94     string.IsNullOrEmpty(textGhomeAddressTextTextText.Text) ||
95     string.IsNullOrEmpty(textGfullnameTextTextText.Text) ||
96     string.IsNullOrEmpty(textGnicTextTextTextText.Text) ||
97     string.IsNullOrEmpty(textGcontactNoTextTextTextText.Text) ||
98     string.IsNullOrEmpty(textGassessmentNoTextTextTextText.Text) ||
99     string.IsNullOrEmpty(textGaddressTextTextTextText.Text) ||
100    string.IsNullOrEmpty(textGcontactTextTextTextText.Text) ||
101    string.IsNullOrEmpty(textGreligionTextTextTextText.Text) ||
102    string.IsNullOrEmpty(textGmobileTextTextTextText.Text) ||
103    string.IsNullOrEmpty(textGhomeAddressTextTextTextText.Text) ||
104    string.IsNullOrEmpty(textGfullnameTextTextTextText.Text) ||
105    string.IsNullOrEmpty(textGnicTextTextTextTextText.Text) ||
106    string.IsNullOrEmpty(textGcontactNoTextTextTextTextText.Text) ||
107    string.IsNullOrEmpty(textGassessmentNoTextTextTextTextText.Text) ||
108    string.IsNullOrEmpty(textGaddressTextTextTextTextText.Text) ||
109    string.IsNullOrEmpty(textGcontactTextTextTextTextText.Text) ||
110    string.IsNullOrEmpty(textGreligionTextTextTextTextText.Text) ||
111    string.IsNullOrEmpty(textGmobileTextTextTextTextText.Text) ||
112    string.IsNullOrEmpty(textGhomeAddressTextTextTextTextText.Text) ||
113    string.IsNullOrEmpty(textGfullnameTextTextTextTextText.Text) ||
114    string.IsNullOrEmpty(textGnicTextTextTextTextTextText.Text) ||
115    string.IsNullOrEmpty(textGcontactNoTextTextTextTextTextText.Text) ||
116    string.IsNullOrEmpty(textGassessmentNoTextTextTextTextTextText.Text) ||
117    string.IsNullOrEmpty(textGaddressTextTextTextTextTextText.Text) ||
118    string.IsNullOrEmpty(textGcontactTextTextTextTextTextText.Text) ||
119    string.IsNullOrEmpty(textGreligionTextTextTextTextTextText.Text) ||
120    string.IsNullOrEmpty(textGmobileTextTextTextTextTextText.Text) ||
121    string.IsNullOrEmpty(textGhomeAddressTextTextTextTextTextText.Text) ||
122    string.IsNullOrEmpty(textGfullnameTextTextTextTextTextText.Text)

```

No issues found | ln: 240 Ch: 9 SPC CRLF

Output

Show output from: Debug

Ready

Type here to search

Public Library management System

```

121    string.IsNullOrEmpty(textGaddress.Text) ||
122    string.IsNullOrEmpty(textGcontactNo.Text) ||
123    string.IsNullOrEmpty(textReaderId.Text) ||
124    string.IsNullOrEmpty(textFullName.Text) ||
125    string.IsNullOrEmpty(textNIC.Text) ||
126    string.IsNullOrEmpty(textDOBText.Text) ||
127    string.IsNullOrEmpty(textMobile.Text) ||
128    string.IsNullOrEmpty(textHomeAddress.Text) ||
129    string.IsNullOrEmpty(textReligionText.Text) ||
130    string.IsNullOrEmpty(textGfullname.Text) ||
131    string.IsNullOrEmpty(textGnicText.Text) ||
132    string.IsNullOrEmpty(textGcontactNoText.Text) ||
133    string.IsNullOrEmpty(textGassessmentNoText.Text) ||
134    string.IsNullOrEmpty(textGaddressText.Text) ||
135    string.IsNullOrEmpty(textGcontactText.Text) ||
136    string.IsNullOrEmpty(textGreligionText.Text) ||
137    string.IsNullOrEmpty(textGmobileText.Text) ||
138    string.IsNullOrEmpty(textGhomeAddressText.Text) ||
139    string.IsNullOrEmpty(textGfullnameText.Text) ||
140    string.IsNullOrEmpty(textGnicTextText.Text) ||
141    string.IsNullOrEmpty(textGcontactNoTextText.Text) ||
142    string.IsNullOrEmpty(textGassessmentNoTextText.Text) ||
143    string.IsNullOrEmpty(textGaddressTextText.Text) ||
144    string.IsNullOrEmpty(textGcontactTextText.Text) ||
145    string.IsNullOrEmpty(textGreligionTextText.Text) ||
146    string.IsNullOrEmpty(textGmobileTextText.Text) ||
147    string.IsNullOrEmpty(textGhomeAddressTextText.Text) ||
148    string.IsNullOrEmpty(textGfullnameTextText.Text) ||
149    string.IsNullOrEmpty(textGnicTextTextText.Text) ||
150    string.IsNullOrEmpty(textGcontactNoTextTextText.Text) ||
151    string.IsNullOrEmpty(textGassessmentNoTextTextText.Text) ||
152    string.IsNullOrEmpty(textGaddressTextTextText.Text) ||
153    string.IsNullOrEmpty(textGcontactTextTextText.Text) ||
154    string.IsNullOrEmpty(textGreligionTextTextText.Text) ||
155    string.IsNullOrEmpty(textGmobileTextTextText.Text) ||
156    string.IsNullOrEmpty(textGhomeAddressTextTextText.Text) ||
157    string.IsNullOrEmpty(textGfullnameTextTextText.Text) ||
158    string.IsNullOrEmpty(textGnicTextTextTextText.Text) ||
159    string.IsNullOrEmpty(textGcontactNoTextTextTextText.Text) ||
160    string.IsNullOrEmpty(textGassessmentNoTextTextTextText.Text) ||
161    string.IsNullOrEmpty(textGaddressTextTextTextText.Text) ||
162    string.IsNullOrEmpty(textGcontactTextTextTextText.Text) ||
163    string.IsNullOrEmpty(textGreligionTextTextTextText.Text) ||
164    string.IsNullOrEmpty(textGmobileTextTextTextText.Text) ||
165    string.IsNullOrEmpty(textGhomeAddressTextTextTextText.Text) ||
166    string.IsNullOrEmpty(textGfullnameTextTextTextText.Text) ||
167    string.IsNullOrEmpty(textGnicTextTextTextTextText.Text) ||
168    string.IsNullOrEmpty(textGcontactNoTextTextTextTextText.Text) ||
169    string.IsNullOrEmpty(textGassessmentNoTextTextTextTextText.Text) ||
170    string.IsNullOrEmpty(textGaddressTextTextTextTextText.Text) ||
171    string.IsNullOrEmpty(textGcontactTextTextTextTextText.Text) ||
172    string.IsNullOrEmpty(textGreligionTextTextTextTextText.Text) ||
173    string.IsNullOrEmpty(textGmobileTextTextTextTextText.Text) ||
174    string.IsNullOrEmpty(textGhomeAddressTextTextTextTextText.Text) ||
175    string.IsNullOrEmpty(textGfullnameTextTextTextTextText.Text) ||
176    string.IsNullOrEmpty(textGnicTextTextTextTextTextText.Text) ||
177    string.IsNullOrEmpty(textGcontactNoTextTextTextTextTextText.Text) ||
178    string.IsNullOrEmpty(textGassessmentNoTextTextTextTextTextText.Text) ||
179    string.IsNullOrEmpty(textGaddressTextTextTextTextTextText.Text) ||
180    string.IsNullOrEmpty(textGcontactTextTextTextTextTextText.Text) ||
181    string.IsNullOrEmpty(textGreligionTextTextTextTextTextText.Text) ||
182    string.IsNullOrEmpty(textGmobileTextTextTextTextTextText.Text) ||
183    string.IsNullOrEmpty(textGhomeAddressTextTextTextTextTextText.Text) ||
184    string.IsNullOrEmpty(textGfullnameTextTextTextTextTextText.Text)

```

No issues found | ln: 240 Ch: 9 SPC CRLF

Output

Show output from: Debug

Ready

Type here to search

```
182     }
183     else if (string.IsNullOrWhiteSpace(textBrith.Text))
184     {
185         MessageBox.Show("Please Enter Reader Date Of Birth And Guarantor's Full Name ");
186     }
187     else if (string.IsNullOrWhiteSpace(textNIC.Text))
188     {
189         MessageBox.Show("Please Enter Reader Date Of Birth And Guarantor's NIC Number");
190     }
191     else if (string.IsNullOrWhiteSpace(textAddress.Text))
192     {
193         MessageBox.Show("Please Enter Reader Date Of Birth And Guarantor's Address ");
194     }
195     else if (string.IsNullOrWhiteSpace(textAssessmentNo.Text))
196     {
197         MessageBox.Show("Please Enter Reader Date Of Birth And Guarantor's Assessment No ");
198     }
199     else if (string.IsNullOrWhiteSpace(textContactNo.Text))
200     {
201         MessageBox.Show("please Enter Reader Date Of Birth And Guarantor's Contact No");
202     }
203     else
204     {
205         MessageBox.Show("please Enter Reader Date Of Birth ");
206     }
207     else if (string.IsNullOrWhiteSpace(textBoxReligion.Text))
208     {
209         if (string.IsNullOrWhiteSpace(textBoxMobile.Text))
210         {
211             MessageBox.Show("Please Enter Reader Religion And Mobile Number ");
212         }
213         else if (string.IsNullOrWhiteSpace(textBoxHomeaddress.Text))
214         {
215             MessageBox.Show("Please Enter Reader Religion And Home Address ");
216         }
217         else if (string.IsNullOrWhiteSpace(textBoxGfullname.Text))
218         {
219             MessageBox.Show("Please Enter Reader Religion And Guarantor's Full Name ");
220         }
221         else if (string.IsNullOrWhiteSpace(textBoxGnic.Text))
222         {
223             MessageBox.Show("Please Enter Reader Religion And Guarantor's NIC Number");
224         }
225         else if (string.IsNullOrWhiteSpace(textBoxGaddress.Text))
226         {
227             MessageBox.Show("Please Enter Reader Religion And Guarantor's Address ");
228         }
229         else if (string.IsNullOrWhiteSpace(textBoxGassessmentNo.Text))
230         {
231             MessageBox.Show(" Please Enter Reader Religion And Guarantor's Assessment No ");
232         }
233         else if (string.IsNullOrWhiteSpace(textBoxGcontactNo.Text))
234         {
235             MessageBox.Show("please Enter Reader Religion And Guarantor's Contact No");
236         }
237         else
238         {
239             MessageBox.Show("please Enter Reader Religion ");
240         }
241     }
242     else if (string.IsNullOrWhiteSpace(textBoxMobile.Text))
243     {
244         if (string.IsNullOrWhiteSpace(textBoxHomeaddress.Text))
245         {
246             MessageBox.Show("Please Enter Mobile Number Religion And Home Address ");
247         }
248     }
249 }
```

```
Ready Type here to search 68°F 6:19 PM 11/15/2023 Add to Source Control Select Repository File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System LU Live Share Solution Explorer Git Changes Properties
```

Reader_Management.cs -> Reader_Manag...l.cs [Design] CreateUser.cs [Design] CreateUser.cs* DashBord.cs [Design]

```
245     }
246     else if (string.IsNullOrWhiteSpace(textGfullname.Text))
247     {
248         MessageBox.Show("Please Enter Mobile Number Religon And Home Address ");
249     }
250     else if (string.IsNullOrWhiteSpace(textMobileNumber.Text))
251     {
252         MessageBox.Show("Please Enter Reader Mobile Number And Guarantor's Full Name ");
253     }
254     else if (string.IsNullOrWhiteSpace(textGnic.Text))
255     {
256         MessageBox.Show("Please Enter Reader Mobile Number And Guarantor's NIC Number");
257     }
258     else if (string.IsNullOrWhiteSpace(textAddress.Text))
259     {
260         MessageBox.Show("Please Enter Reader Mobile Number And Guarantor's Address ");
261     }
262     else if (string.IsNullOrWhiteSpace(textGassessmentNo.Text))
263     {
264         MessageBox.Show("Please Enter Reader Mobile Number And Guarantor's Assessment No ");
265     }
266     else if (string.IsNullOrWhiteSpace(textGcontactNo.Text))
267     {
268         MessageBox.Show("please Enter Reader Mobile Number And Guarantor's Contact No");
269     }
270     else
271     {
272         MessageBox.Show("please Enter Reader Mobile Number ");
273     }
274     else if (string.IsNullOrWhiteSpace(textHomeaddress.Text))
275     {
276         if (string.IsNullOrWhiteSpace(textGfullname.Text))
277         {
278             MessageBox.Show("Please Enter Reader Home Address And Guarantor's Full Name ");
279         }
280         else if (string.IsNullOrWhiteSpace(textGnic.Text))
281         {
282             MessageBox.Show("Please Enter Reader Home Address And Guarantor's NIC Number");
283         }
284         else if (string.IsNullOrWhiteSpace(textAddress.Text))
285         {
286             MessageBox.Show("Please Enter Reader Home Address And Guarantor's Address ");
287         }
288         else if (string.IsNullOrWhiteSpace(textGassessmentNo.Text))
289         {
290             MessageBox.Show(" Please Enter Reader Home Address And Guarantor's Assessment No ");
291         }
292         else if (string.IsNullOrWhiteSpace(textGcontactNo.Text))
293         {
294             MessageBox.Show("please Enter Reader Home Address And Guarantor's Contact No");
295         }
296         else
297         {
298             MessageBox.Show("please Enter Reader Home Address ");
299         }
300     }
301     else if (string.IsNullOrWhiteSpace(textGfullname.Text))
302     {
303         // Guarantor's Full Name
304         if (string.IsNullOrWhiteSpace(textGnic.Text))
305         {
306             MessageBox.Show("Please Enter Guarantor's Full Name And Guarantor's NIC Number");
307         }
308     }
309 }
```

Output
Show output from: Debug

Ready Type here to search 68°F 6:19 PM 11/15/2023 Add to Source Control Select Repository

The screenshot shows the Microsoft Visual Studio IDE interface. The title bar reads "Public Library management System". The code editor displays C# code for a Windows application. The code handles validation for various input fields related to a guarantor's information. It uses MessageBox.Show() to display error messages if any field is empty or contains whitespace. The code includes logic for validating NIC number, address, contact number, and assessment numbers. The code editor has syntax highlighting and line numbers on the left. The status bar at the bottom shows "68 %", "No issues found", "Ln: 240", "Ch: 9", "SPC", and "CRLF".

```
315     MessageBox.Show("Please Enter Guarantor's Full Name and Guarantor's Assessment No ");
316     }
317     else if (string.IsNullOrWhiteSpace(textContactNo.Text))
318     {
319         MessageBox.Show("please Enter Guarantor's Full Name And Guarantor's Contact No");
320     }
321     else
322     {
323         MessageBox.Show("please Enter Guarantor's Full Name ");
324     }
325
326     else if (string.IsNullOrWhiteSpace(textGnic.Text))
327     {
328         //Guarantor's NIC Number
329         if (string.IsNullOrWhiteSpace(textAddress.Text))
330         {
331             MessageBox.Show("Please Enter Guarantor's NIC Number and Guarantor's Address ");
332         }
333         else if (string.IsNullOrWhiteSpace(textGassessmentNo.Text))
334         {
335             MessageBox.Show(" Please Enter Guarantor's NIC Number and Guarantor's Assessment No ");
336         }
337         else if (string.IsNullOrWhiteSpace(textGContactNo.Text))
338         {
339             MessageBox.Show("please Enter Guarantor's NIC Number And Guarantor's Contact No");
340         }
341         else
342         {
343             MessageBox.Show("please Enter Guarantor's NIC Number ");
344         }
345     }
346     else if (string.IsNullOrWhiteSpace(textAddress.Text))
347     {
348         //Guarantor's Address
349         if (string.IsNullOrWhiteSpace(textGassessmentNo.Text))
350         {
351             MessageBox.Show(" Please Enter Guarantor's Address and Guarantor's Assessment No ");
352         }
353         else if (string.IsNullOrWhiteSpace(textContactNo.Text))
354         {
355             MessageBox.Show("please Enter Guarantor's Address And Guarantor's Contact No");
356         }
357         else
358         {
359             MessageBox.Show("please Enter Guarantor's Address ");
360         }
361     }
362     else if (string.IsNullOrWhiteSpace(textGassessmentNo.Text))
363     {
364         //Guarantor's Assessment No
365         if (string.IsNullOrWhiteSpace(textContactNo.Text))
366         {
367             MessageBox.Show("please Enter Guarantor's Assessment No And Guarantor's Assessment No");
368         }
369         else
370         {
371             MessageBox.Show("please Enter Guarantor's Contact No");
372         }
373     }
374     }
375     string ReaderID = textReaderId.Text.Trim();
376     string ReaderName = textFullName.Text.Trim();
377     string ReaderNIC = textNIC.Text.Trim();
378     string ReaderDOB = DOBText.Text.Trim();
```

The screenshot shows the Microsoft Visual Studio IDE interface. The title bar reads "Ready" and "Public Library management System". The menu bar includes File, Edit, View, Git, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help, and Search. The toolbar has icons for Save, Undo, Redo, Cut, Copy, Paste, Find, Replace, and others. The status bar at the bottom right shows "68°F", "11/15/2023", "6:20 PM", and "Ready".

The main window displays the code editor for "Reader_Management.cs" (Design). The code handles inserting data into the "ReaderDetail" table based on user input from text boxes. It includes methods for loading the form, clearing fields, viewing reader details, navigating to the dashboard, and editing reader records.

```
398 string GAssessmentNo= txtGassessmentNo.Text.Trim();
399 string ContactNumber=txtContactNo.Text.Trim();
400
401 string sql = $"INSERT INTO ReaderDetail(Reader_ID,[Reader_Full_Name],[Reader_NIC_Number],[Reader_Date_Of_Birth],[Reader_Religion],[Reader_Contact_Number_Mobile],[Reader_Contact_Number_Home],[Reader_Gender]) VALUES ({GAssessmentNo},'{ContactNumber}',{txtDateOfBirth.Text},{txtReligion.Text},{txtMobileNo.Text},{txtHomeNo.Text},{txtGender.Text})";
402
403 bool result = con.exuquery(sql);
404 if (result)
405 {
406     MessageBox.Show("successful");
407     Clear();
408 }
409 else
410 {
411     MessageBox.Show("unsuccessful");
412 }
413
414 }
415
416 private void Reader_Management_Load(object sender, EventArgs e)
417 {
418     AddReader.Enabled = false;
419     EditReader.Enabled = true;
420     ViewReader.Enabled = true;
421     DeleteReaderbtn.Enabled = true;
422 }
423
424
425 private void Clearbt_Click(object sender, EventArgs e)
426 {
427     Clear();
428 }
429
430 private void ViewReader_Click(object sender, EventArgs e)
431 {
432     ViewReaderFrom viewReaderFrom = new ViewReaderFrom();
433     viewReaderFrom.Show();
434     this.Hide();
435 }
436
437 private void Backbtn_Click(object sender, EventArgs e)
438 {
439     Dashboard dashBoard = new Dashboard();
440     dashBoard.Show();
441     this.Hide();
442 }
443
444 private void EditReader_Click(object sender, EventArgs e)
445 {
446     EditReaderFrom editReaderFrom = new EditReaderFrom();
447     editReaderFrom.Show();
448     this.Hide();
449 }
```

The status bar at the bottom shows "Ln: 240 Ch: 9 SPC CRLF" and "68%". The bottom navigation bar includes "Output", "Show output from: Debug", and "Ready".

```
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Live Share
Toolbox
EditReadFrom.cs [Design] Reader_Manage.t.cs [Design] CreateUser.cs [Design] CreateUser.cs [Design] DashBoard.cs [Design]
Public Library management System Public Library management System.EditReadFrom CreatedUser.cs [Design] EditReadFrom_Load(object sender, EventArgs e)
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Windows.Forms.VisualStyles;
namespace Public_Library_management_System
{
    public partial class EditReadFrom : Form
    {
        // References
        public EditReadFrom()
        {
            InitializeComponent();
        }
        OleDbConnection DB = new OleDbConnection();
        private void EditReadFrom_Load(object sender, EventArgs e)
        {
            Editheddetails.Enabled = false;
            AddHeaderbtn.Enabled = true;
            ViewHeaderbtn.Enabled = true;
            AddHeaderbtn.Enabled = true;
            DeleteHeaderbtn.Enabled = true;
        }
        // Reference
        private void ViewHeaderbtn_Click(object sender, EventArgs e)
        {
            ViewHeaderFrom viewHeaderFrom = new ViewHeaderFrom();
            viewHeaderFrom.Show();
            this.Hide();
        }
        // Reference
        private void AddHeaderbtn_Click(object sender, EventArgs e)
        {
            Reader_Management reader_Management = new Reader_Management();
            reader_Management.Show();
            this.Hide();
        }
        // Reference
        private void Backbtn_Click(object sender, EventArgs e)
        {
            Dashboard dashboard = new Dashboard();
            dashboard.Show();
            this.Hide();
        }
        // Reference
        private void Searchbtn_Click(object sender, EventArgs e)
        {
            if (String.IsNullOrWhiteSpace(textBoxSearch.Text))
            {
                MessageBox.Show("Enter Header Title");
            }
        }
    }
}
```

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

Live Share

Reader_Management.cs Reader_Manag...t.cs [Design] CreateUser.cs [Design] CreateUser.cs DashBord.cs [Design]

Public Library management System

```
432     viewReaderFrom viewReaderFrom = new ViewReaderFrom();
433     viewReaderFrom.Show();
434     this.Hide();
435 }
436 }
437 
438 private void backBtn_Click(object sender, EventArgs e)
439 {
440     Dashboard dashboard = new Dashboard();
441     dashboard.Show();
442     this.Hide();
443 }
444 }
445 
446 private void editReader_Click(object sender, EventArgs e)
447 {
448     editReaderFrom editReaderFrom = new EditReaderFrom();
449     editReaderFrom.Show();
450     this.Hide();
451 }
452 
453 private void DeleteReaderbtn_Click(object sender, EventArgs e)
454 {
455     DeleteReader deleteReader = new DeleteReader();
456     deleteReader.Show();
457     this.Hide();
458 }
459 
460 void Clear()
461 {
462     textBoxId.Text = "";
463     textBoxFullname.Text = "";
464     textBoxDob.Text = "";
465     textBoxReligion.Text = "";
466     textBoxMobile.Text = "";
467     textBoxHomeAddress.Text = "";
468     textBoxOccupation.Text = "";
469     textBoxFullname.Text = "";
470     textBoxAddress.Text = "";
471     textBoxOccupation.Text = "";
472     textBoxAddress.Text = "";
473     textBoxOccupation.Text = "";
474     textBoxAssessmentNo.Text = "";
475     textBoxGantactno.Text = "";
476 }
477 }
478 }
479 }
480 }
```

68 % No issues found Ln: 240 Ch: 9 SPC CRLF

Output

Show output from: Debug

Ready Add to Source Control Select Repository

6:20 PM 11/15/2023

```
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search - Public Library management System
Live Share
toolbox
EditReadFrom.cs - Reader_Management.cs* Reader_Manag...t.cs [Design]* CreateUser.cs [Design]* CreateUser.cs* DashBord.cs [Design]
Public Library management System
EditReadFrom_Load(object sender, EventArgs e)
public void SearchBtn_Click(object sender, EventArgs e)
{
    if (string.IsNullOrWhiteSpace(textsearch.Text))
    {
        MessageBox.Show("Please Enter Reader Id");
    }
    else
    {
        string searchkey = textsearch.Text;
        string Sql = "SELECT * From ReaderDetail WHERE Reader_ID ='{searchkey}'";
        DataTable dt = search(Sql);
        if (dt.Rows.Count > 0)
        {
            textReaderId.Text = dt.Rows[0][0].ToString();
            textFullname.Text = dt.Rows[0][1].ToString();
            textTNC.Text = dt.Rows[0][2].ToString();
            DOBText.Text = dt.Rows[0][3].ToString();
            ReligionsText.Text = dt.Rows[0][4].ToString();
            textMobileNo.Text = dt.Rows[0][5].ToString();
            textHomeAddress.Text = dt.Rows[0][6].ToString();
            textWorkAddress.Text = dt.Rows[0][7].ToString();
            textOccupation.Text = dt.Rows[0][8].ToString();
            textGadic.Text = dt.Rows[0][9].ToString();
            textGaddress.Text = dt.Rows[0][10].ToString();
            textGoccupation.Text = dt.Rows[0][11].ToString();
            textGworkaddress.Text = dt.Rows[0][12].ToString();
            textGcontactNo.Text = dt.Rows[0][13].ToString();
        }
        else
        {
            MessageBox.Show("Header Id Is Invalid ");
        }
    }
}
private void DataGridviewReaderDetail_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
}
private void textsearch_Click(object sender, EventArgs e)
{
    textsearch.Clear();
}
private void clearbtn_Click(object sender, EventArgs e)
{
    textsearch.Text = "";
    textReaderId.Text = "";
    textFullname.Text = "";
    textTNC.Text = "";
    DOBText.Text = "";
    ReligionsText.Text = "";
}
Output
Show output from: Debug
Ln: 26 Ch: 42 SPC CRLF
```

```

    149
    150     {
    151         string.IsNullOrWhiteSpace(textContactNo.Text))
    152     {
    153         if (string.IsNullOrWhiteSpace(textReaderId.Text))
    154         {
    155             MessageBox.Show("Please Enter Reader Id And Full Name");
    156         }
    157         else if (string.IsNullOrWhiteSpace(textNIC.Text))
    158         {
    159             MessageBox.Show("Please Enter Reader ID And NIC Number");
    160         }
    161         else if (string.IsNullOrWhiteSpace(DOBText.Text))
    162         {
    163             MessageBox.Show("Please Enter Reader Id And DOB");
    164         }
    165         else if (string.IsNullOrWhiteSpace(ReligionText.Text))
    166         {
    167             MessageBox.Show("Please Enter Reader Id And Religion ");
    168         }
    169         else if (string.IsNullOrWhiteSpace(textMobile.Text))
    170         {
    171             MessageBox.Show("Please Enter Reader Id And Mobile Number ");
    172         }
    173         else if (string.IsNullOrWhiteSpace(textHomeaddress.Text))
    174         {
    175             MessageBox.Show("Please Enter Reader Id And Home Address ");
    176         }
    177         else if (string.IsNullOrWhiteSpace(textfullname.Text))
    178         {
    179             MessageBox.Show("Please Enter Reader Id And Guarantor's Full Name ");
    180         }
    181         else if (string.IsNullOrWhiteSpace(textGnid.Text))
    182         {
    183             MessageBox.Show("Please Enter Reader ID And Guarantor's NIC Number");
    184         }
    185         else if (string.IsNullOrWhiteSpace(textGAddress.Text))
    186         {
    187             MessageBox.Show("Please Enter Reader Id And Guarantor's Address ");
    188         }
    189         else if (string.IsNullOrWhiteSpace(textGassessmentNo.Text))
    190         {
    191             MessageBox.Show("Please Enter Reader ID And Guarantor's Assessment No ");
    192         }
    193         else if (string.IsNullOrWhiteSpace(textContactNo.Text))
    194         {
    195             MessageBox.Show("please Enter Reader Id And Guarantor's Contact No");
    196         }
    197         else
    198         {
    199             MessageBox.Show("please Enter Reader Id ");
    200         }
    201     }
    202
    203
    204     else if (string.IsNullOrWhiteSpace(textFullName.Text))
    205     {
    206         if (string.IsNullOrWhiteSpace(textNIC.Text))
    207         {
    208             MessageBox.Show("Please Enter Reader Full Name And NIC Number");
    209         }
    210         else if (string.IsNullOrWhiteSpace(DOBText.Text))
    211         {
    212             MessageBox.Show("Please Enter Reader Full Name And DOB");
    213         }
    214         else if (string.IsNullOrWhiteSpace(ReligionText.Text))
    215         {
    216             MessageBox.Show("Please Enter Reader Full Name And Religion ");
    217         }
    218         else if (string.IsNullOrWhiteSpace(textMobile.Text))
    219         {
    220             MessageBox.Show("Please Enter Reader Full Name And Mobile Number ");
    221         }
    222         else if (string.IsNullOrWhiteSpace(textHomeaddress.Text))
    223         {
    224             MessageBox.Show("Please Enter Reader Full Name And Home Address ");
    225         }
    226         else if (string.IsNullOrWhiteSpace(textfullname.Text))
    227         {
    228             MessageBox.Show("Please Enter Reader Full Name And Guarantor's Full Name ");
    229         }
    230         else if (string.IsNullOrWhiteSpace(textGnid.Text))
    231         {
    232             MessageBox.Show("Please Enter Reader Full Name And Guarantor's NIC Number");
    233         }
    234         else if (string.IsNullOrWhiteSpace(textGAddress.Text))
    235         {
    236             MessageBox.Show("Please Enter Reader Full Name And Guarantor's Address ");
    237         }
    238         else if (string.IsNullOrWhiteSpace(textGassessmentNo.Text))
    239         {
    240             MessageBox.Show("Please Enter Reader Full Name And Guarantor's Assessment No ");
    241         }
    242         else if (string.IsNullOrWhiteSpace(textContactNo.Text))
    243         {
    244             MessageBox.Show("please Enter Reader Full Name And Guarantor's Contact No");
    245         }
    246         else
    247         {
    248             MessageBox.Show("please Enter Reader Full Name ");
    249         }
    250     }
    251
    252
    253     else if (string.IsNullOrWhiteSpace(DOBText.Text))
    254     {
    255         if (string.IsNullOrWhiteSpace(ReligionText.Text))
    256         {
    257             MessageBox.Show("Please Enter Reader Date Of Birth And Religion ");
    258         }
    259         else if (string.IsNullOrWhiteSpace(textMobile.Text))
    260         {
    261             MessageBox.Show("Please Enter Reader Date Of Birth And Mobile Number ");
    262         }
    263         else if (string.IsNullOrWhiteSpace(textHomeaddress.Text))
    264         {
    265             MessageBox.Show("Please Enter Reader Date Of Birth And Home Address ");
    266         }
    267     }
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```

Public Library management System

```

282     {
283         if (string.IsNullOrWhiteSpace(textGnic.Text))
284         {
285             MessageBox.Show("Please Enter Reader Date Of Birth And Guarantor's NIC Number");
286         }
287         else if (string.IsNullOrWhiteSpace(textAddress.Text))
288         {
289             MessageBox.Show("Please Enter Reader Date Of Birth and Guarantor's Address ");
290         }
291         else if (string.IsNullOrWhiteSpace(textAssessmentNo.Text))
292         {
293             MessageBox.Show(" Please Enter Reader Date Of Birth and Guarantor's Assessment No ");
294         }
295         else if (string.IsNullOrWhiteSpace(textContactNo.Text))
296         {
297             MessageBox.Show("please Enter Reader Date Of Birth And Guarantor's Contact No");
298         }
299         else
300         {
301             MessageBox.Show("please Enter Reader Date Of Birth ");
302         }
303         else if (string.IsNullOrWhiteSpace(textReligionText))
304         {
305             if (string.IsNullOrWhiteSpace(textMobile.Text))
306             {
307                 MessageBox.Show("Please Enter Reader Religion And Mobile Number ");
308             }
309             else if (string.IsNullOrWhiteSpace(textHomeaddress.Text))
310             {
311                 MessageBox.Show("Please Enter Reader Religion And Home Address ");
312             }
313             else if (string.IsNullOrWhiteSpace(textfullname.Text))
314             {
315                 MessageBox.Show("Please Enter Reader Religion And Guarantor's Full Name ");
316             }
317             else if (string.IsNullOrWhiteSpace(textGnic.Text))
318             {
319                 MessageBox.Show("Please Enter Reader Religion And Guarantor's NIC Number");
320             }
321             else if (string.IsNullOrWhiteSpace(textAddress.Text))
322             {
323                 MessageBox.Show("Please Enter Reader Religion and Guarantor's Address ");
324             }
325             else if (string.IsNullOrWhiteSpace(textAssessmentNo.Text))
326             {
327                 MessageBox.Show(" Please Enter Reader Religion and Guarantor's Assessment No ");
328             }
329             else if (string.IsNullOrWhiteSpace(textContactNo.Text))
330             {
331                 MessageBox.Show("please Enter Reader Religion And Guarantor's Contact No");
332             }
333             else
334             {
335                 MessageBox.Show("please Enter Reader Religion ");
336             }
337             else if (string.IsNullOrWhiteSpace(textMobile.Text))
338             {
339                 if (string.IsNullOrWhiteSpace(textHomeaddress.Text))
340                 {
341                     MessageBox.Show("Please Enter Mobile Number Religion And Home Address ");
342                 }
343             }
344         }
345     }
346 }

```

No issues found

Output

Show output from: Debug

Public Library management System

```

362     {
363         if (string.IsNullOrWhiteSpace(textMobile.Text))
364         {
365             MessageBox.Show("please Enter Reader Mobile Number And Guarantor's Contact No");
366         }
367         else
368         {
369             MessageBox.Show("please Enter Reader Mobile Number ");
370         }
371         else if (string.IsNullOrWhiteSpace(textHomeaddress.Text))
372         {
373             if (string.IsNullOrWhiteSpace(textfullname.Text))
374             {
375                 MessageBox.Show("Please Enter Reader Home Address And Guarantor's Full Name ");
376             }
377             else if (string.IsNullOrWhiteSpace(textGnic.Text))
378             {
379                 MessageBox.Show("Please Enter Reader Home Address And Guarantor's NIC Number");
380             }
381             else if (string.IsNullOrWhiteSpace(textAddress.Text))
382             {
383                 MessageBox.Show("Please Enter Reader Home Address and Guarantor's Address ");
384             }
385             else if (string.IsNullOrWhiteSpace(textAssessmentNo.Text))
386             {
387                 MessageBox.Show(" Please Enter Reader Home Address and Guarantor's Assessment No ");
388             }
389             else if (string.IsNullOrWhiteSpace(textContactNo.Text))
390             {
391                 MessageBox.Show("please Enter Reader Home Address And Guarantor's Contact No");
392             }
393             else
394             {
395                 MessageBox.Show("please Enter Reader Home Address ");
396             }
397             else if (string.IsNullOrWhiteSpace(textfullname.Text))
398             {
399                 // Guarantor's Full Name
400                 if (string.IsNullOrWhiteSpace(textGnic.Text))
401                 {
402                     MessageBox.Show("Please Enter Guarantor's Full Name And Guarantor's NIC Number");
403                 }
404                 else if (string.IsNullOrWhiteSpace(textAddress.Text))
405                 {
406                     MessageBox.Show("Please Enter Guarantor's Full Name and Guarantor's Address ");
407                 }
408                 else if (string.IsNullOrWhiteSpace(textAssessmentNo.Text))
409                 {
410                     MessageBox.Show(" Please Enter Guarantor's Full Name and Guarantor's Assessment No ");
411                 }
412                 else if (string.IsNullOrWhiteSpace(textContactNo.Text))
413                 {
414                     MessageBox.Show("please Enter Guarantor's Full Name And Guarantor's Contact No");
415                 }
416                 else
417                 {
418                     MessageBox.Show("please Enter Guarantor's Full Name ");
419                 }
420             }
421             else if (string.IsNullOrWhiteSpace(textGnic.Text))
422             {
423                 //Guarantor's NIC Number
424             }
425         }
426     }
427 }

```

No issues found

Output

Show output from: Debug

```
431     {
432         if (string.IsNullOrEmpty(textReaderID.Text))
433         {
434             MessageBox.Show("Please Enter Reader's ID");
435         }
436         else if (string.IsNullOrWhiteSpace(textReaderName.Text))
437         {
438             MessageBox.Show("Please Enter Reader's Name");
439         }
440         else if (string.IsNullOrWhiteSpace(textReaderNIC.Text))
441         {
442             MessageBox.Show("Please Enter Reader's NIC Number");
443         }
444         else if (string.IsNullOrWhiteSpace(textReaderDOB.Text))
445         {
446             MessageBox.Show("Please Enter Reader's Date Of Birth");
447         }
448         else if (string.IsNullOrWhiteSpace(textReaderReligion.Text))
449         {
450             MessageBox.Show("Please Enter Reader's Religion");
451         }
452         else if (string.IsNullOrWhiteSpace(textReaderContact.Text))
453         {
454             MessageBox.Show("Please Enter Reader's Contact No");
455         }
456         else if (string.IsNullOrWhiteSpace(textReaderOccupation.Text))
457         {
458             MessageBox.Show("Please Enter Reader's Occupation");
459         }
460         else if (string.IsNullOrWhiteSpace(textReaderGMC.Text))
461         {
462             MessageBox.Show("Please Enter Reader's GMC");
463         }
464         else if (string.IsNullOrWhiteSpace(textReaderAddress.Text))
465         {
466             MessageBox.Show("Please Enter Reader's Address");
467         }
468         else if (string.IsNullOrWhiteSpace(textReaderGoccupation.Text))
469         {
470             MessageBox.Show("Please Enter Reader's Goccupation");
471         }
472         else if (string.IsNullOrWhiteSpace(textReaderWaddress.Text))
473         {
474             MessageBox.Show("Please Enter Reader's Waddress");
475         }
476         else if (string.IsNullOrWhiteSpace(textReaderAssessmentNo.Text))
477         {
478             MessageBox.Show("Please Enter Reader's Assessment No");
479         }
480         else if (string.IsNullOrWhiteSpace(textReaderContactNo.Text))
481         {
482             MessageBox.Show("Please Enter Reader's Contact No");
483         }
484     }
485     else
486     {
487         string ReaderID = textReaderID.Text.Trim();
488         string ReaderName = textReaderName.Text.Trim();
489         string ReaderNIC = textReaderNIC.Text.Trim();
490         string ReaderDOB = textReaderDOB.Text.Trim();
491         string ReaderReligion = textReaderReligion.Text.Trim();
492         string ReaderContact = textReaderContact.Text.Trim();
493         string ReaderAddress = textReaderAddress.Text.Trim();
494         string ReaderOccupation = textReaderOccupation.Text.Trim();
495         string ReaderGMC = textReaderGMC.Text.Trim();
496         string ReaderAddress = textReaderAddress.Text.Trim();
497         string ReaderGoccupation = textReaderGoccupation.Text.Trim();
498         string ReaderWaddress = textReaderWaddress.Text.Trim();
499         string ReaderAssessmentNo = textReaderAssessmentNo.Text.Trim();
500         string ReaderContactNumber = textReaderContactNo.Text.Trim();
501
502         string sql = "UPDATE ReaderDetail SET Reader_Full_Name = '" + ReaderName + "', [Reader_NIC_Number] = '" + ReaderNIC + "', [Reader_Date_OF_Birth] = '" + ReaderDOB + "', [Reader_Religion] = '" + ReaderReligion + "', [Reader_Contact_"
503
504         bool result = DB.exquary(sql);
505         if (result)
506         {
507             MessageBox.Show("Record Updated");
508         }
509     }
510 }
```

The screenshot shows the Microsoft Visual Studio IDE interface. The title bar reads "Ready" and "Public Library management System". The menu bar includes File, Edit, View, Git, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help, and Search. The toolbar has icons for Save, Undo, Redo, Cut, Copy, Paste, Find, Replace, and others. The status bar at the bottom right shows "6:25 PM 11/15/2023".

The main code editor window displays the file "EditReadFrom.cs" with the following code:

```
Ready Type here to search 6:25 PM 11/15/2023 Add to Source Control Select Repository
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System LU Live Share
EditReadFrom.cs Reader_Management.cs [Design] Reader_Manage...t.cs [Design] CreateUser.cs [Design] CreateUser.cs DashBord.cs [Design]
Public Library management System EditReadFrom_Load(object sender, EventArgs e)
{
    // ... (existing code)
    string ReaderID = textReaderId.Text.Trim();
    string ReaderName = textFullName.Text.Trim();
    string ReaderNIC = textGNIC.Text.Trim();
    string ReaderDOB = textDobText.Text.Trim();
    string ReaderReligion = textReligionText.Text.Trim();
    string ReaderMobile = textMobile.Text.Trim();
    string ReaderHome = textHome.Text.Trim();
    string ReaderAddress = textHomeAddress.Text.Trim();
    string ReaderOccupation = textOccupation.Text.Trim();
    string FullName = textGfullname.Text.Trim();
    string GNIC = textGNIC.Text.Trim();
    string DOBText = textDobText.Text.Trim();
    string ReligionText = textReligionText.Text.Trim();
    string OccupationText = textOccupation.Text.Trim();
    string GnameAddress = textGnameAddress.Text.Trim();
    string GassessmentNo = textGassessmentNo.Text.Trim();
    string ContactNumber = textContactText.Text.Trim();

    string sql = "UPDATE ReaderDetail SET (Reader_Full_Name) = ('[ReaderName]', [Reader_NIC_Number]=[ReaderNIC], [Reader_Date_Of_Birth]=[ReaderDOB], [Reader_Religion]=[ReaderReligion], [Reader_Contact]=";
    sql += ReaderID + ") WHERE Reader_ID = " + id;

    bool result = DB.exequery(sql);
    if (result)
    {
        MessageBox.Show("Successful");
        textReaderId.Text = "";
        textFullName.Text = "";
        textGNIC.Text = "";
        textDobText.Text = "";
        textReligionText.Text = "";
        textMobile.Text = "";
        textHome.Text = "";
        textHomeAddress.Text = "";
        textOccupation.Text = "";
        textGfullname.Text = "";
        textGNIC.Text = "";
        textDobText.Text = "";
        textReligionText.Text = "";
        textGnameAddress.Text = "";
        textGassessmentNo.Text = "";
        textContactText.Text = "";

        // Clearing fields
        textReaderId.Text = "";
        textFullName.Text = "";
        textGNIC.Text = "";
        textDobText.Text = "";
        textReligionText.Text = "";
        textMobile.Text = "";
        textHome.Text = "";
        textHomeAddress.Text = "";
        textOccupation.Text = "";
        textGfullname.Text = "";
        textGNIC.Text = "";
        textDobText.Text = "";
        textReligionText.Text = "";
        textGnameAddress.Text = "";
        textGassessmentNo.Text = "";
        textContactText.Text = "";
    }
    else
    {
        MessageBox.Show("unsuccessful");
    }
}
```

The code is part of a Windows application for managing library readers. It updates the "ReaderDetail" table in a database. The application uses text boxes for input and message boxes for feedback. The code handles the loading of the form and the update operation.

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System LU Live Share

DeleteReaders.cs x EditReadFrom.cs [Design] DeleteReader.cs [Design] EditReadFrom.cs Reader_Managment.cs Reader_Manag...t.cs [Design]*

CreateUser.cs [Design]* CreateUser.cs DashBoard.cs [Design]

Public Library management System Public_Library_management_System.DeleteReader DeleteReader_Load(object sender, EventArgs e)

```
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.Text.RegularExpressions;
9 using System.Threading.Tasks;
10 using System.Windows.Forms;
11
12 namespace Public_Library_management_System
13 {
14     public partial class DeleteReader : Form
15     {
16         public DeleteReader()
17         {
18             InitializeComponent();
19             DBConnection1 DB = new DBConnection1();
20             private void DeleteReader_Load(object sender, EventArgs e)
21             {
22                 confrom.DoubleClick += Confrom_DoubleClick;
23
24                 EditReaderbtm.Enabled = true;
25                 AddReaderbtm.Enabled = true;
26                 ViewReaderbtm.Enabled = true;
27                 DeleteReaderbtm.Enabled = false;
28                 confrom.Visible = false;
29             }
30         }
31
32         private void Confrom_DoubleClick(object sender, EventArgs e)
33         {
34             if (ABook == 0)
35             {
36                 MessageBox.Show("you can't Delete This reader Beacuse Reader Not Return Some Book");
37                 textReaderId.Text = "";
38                 textFullName.Text = "";
39                 textNIC.Text = "";
40                 DOBText.Text = "";
41                 AddressText.Text = "";
42                 textMobile.Text = "";
43                 textHome.Text = "";
44                 textHomeaddress.Text = "";
45                 textWorkAddress.Text = "";
46                 textOccupation.Text = "";
47                 textEmail.Text = "";
48                 textMobile2.Text = "";
49                 textAddress.Text = "";
50                 textOccupation2.Text = "";
51                 textWorkaddress.Text = "";
52                 textGassessmentNo.Text = "";
53                 textGcontactNo.Text = "";
54             }
55         }
56     }
57 }
```

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Output Show output from: Debug

Ready Add to Source Control Select Repository

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Public Library management System

```

DeleteReader.cs [Design] EditReadFrom.cs [Design] DeleteReader.cs [Design] EditReadFrom.cs Reader_Managment.cs* Reader_Manag...t.cs [Design]
CreateUser.cs [Design]* CreateUser.cs DashBord.cs [Design]

Public Library management System -> Public_Library_management_System.DeleteReader -> DeleteReader_Load(object sender, EventArgs e)

52     textAssessmentNo.Text = "";
53     textContactNo.Text = "";
54   }
55   else
56   {
57     string ReaderID = textReaderId.Text.Trim();
58     string Sql1 = $"DELETE FROM ReaderDetail WHERE Reader_ID ='{ReaderID}'";
59     bool result = DB.exexquery(Sql1);
60     if (result)
61     {
62       MessageBox.Show("successful");
63 
64       textReaderId.Text = "";
65       textFullName.Text = "";
66       textMobile.Text = "";
67       DOBtext.Text = "";
68       Religentext.Text = "";
69       textMobile.Text = "";
70       textHome.Text = "";
71       textHomeaddress.Text = "";
72       textWorkaddress.Text = "";
73       textReligion.Text = "";
74       textGifullname.Text = "";
75       textGnic.Text = "";
76       textGaddress.Text = "";
77       textGoccupation.Text = "";
78       textGmarkaddress.Text = "";
79       textGassessmentNo.Text = "";
80       textGcontactNo.Text = "";
81 
82     }
83   }
84   else
85   {
86     MessageBox.Show("unsuccessful");
87   }
88 
89   confrom.Visible = false;
90   Delete.Visible = true;
91 }

92 int ABook;
93 reference
94 private void SearchBtn_Click(object sender, EventArgs e)
95 {
96   if (string.IsNullOrWhiteSpace(textsearchx.Text))
97   {
98     MessageBox.Show("Please Enter Reader Id");
99   }
100   else
101   {
102     string searchKey = textsearchx.Text;
103 
104     string searchSql = "SELECT * From ReaderDetail WHERE Reader_ID ='" + searchKey + "'";
105     DataTable dt = DB.search(Sql1);
106     if (dt.Rows.Count > 0)
107     {
108       textReaderId.Text = dt.Rows[0][0].ToString();
109       textMobile.Text = dt.Rows[0][1].ToString();
110       textNIC.Text = dt.Rows[0][2].ToString();
111       DOBtext.Text = dt.Rows[0][3].ToString();
112       Religentext.Text = dt.Rows[0][4].ToString();
113       textMobile.Text = dt.Rows[0][5].ToString();
114       textHome.Text = dt.Rows[0][6].ToString();
115       textHomeaddress.Text = dt.Rows[0][7].ToString();
116       textWorkaddress.Text = dt.Rows[0][8].ToString();
117       textReligion.Text = dt.Rows[0][9].ToString();
118       textGifullname.Text = dt.Rows[0][10].ToString();
119       textGnic.Text = dt.Rows[0][11].ToString();
120       textGaddress.Text = dt.Rows[0][12].ToString();
121       textGoccupation.Text = dt.Rows[0][13].ToString();
122       textGmarkaddress.Text = dt.Rows[0][14].ToString();
123       textGassessmentNo.Text = dt.Rows[0][15].ToString();
124       textGcontactNo.Text = dt.Rows[0][16].ToString();
125       string AvailableBook = dt.Rows[0][17].ToString();
126       ABook= Convert.ToInt32(AvailableBook);
127     }
128   }
129   else
130   {
131     MessageBox.Show("Reader Id Is Invalided ");
132   }
133 
134 }

135 
136 
137 
138 
139 
140 
141 
142 }

143 reference
144 private void EditReadFrom_Click(object sender, EventArgs e)
145 {
146   EditReadFrom editReadFrom = new EditReadFrom();
147   editReadFrom.Show();
148   this.Hide();
149 }

150 reference
151 private void AddReaderbtn_Click(object sender, EventArgs e)
152 {
153   Reader_Managment reader_Managment = new Reader_Managment();
154   reader_Managment.Show();
155   this.Hide();
156 }

No issues found | ▾ ▾ ▾ | Ln: 26 Ch: 41 SPC CRLF
Output
Show output from: Debug

```

Ready

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Public Library management System

Live Share

Solution Explorer Git Changes Properties

Add to Source Control Select Repository

7:20 PM 11/15/2023

Ready

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Public Library management System

Live Share

Solution Explorer Git Changes Properties

Add to Source Control Select Repository

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```
123    textnic.Text = dt.Rows[0][1].ToString();
124    textAddress.Text = dt.Rows[0][12].ToString();
125    textOccupation.Text = dt.Rows[0][13].ToString();
126    textMOrkaddress.Text = dt.Rows[0][14].ToString();
127    textAssessmentNo.Text = dt.Rows[0][15].ToString();
128    textContactNo.Text = dt.Rows[0][16].ToString();
129    string AvailableBook = dt.Rows[0][17].ToString();
130    Available = Convert.ToInt32(AvailableBook);
131    }
132    else
133    {
134        MessageBox.Show("Reader Id Is Invalid");
135    }
136}
137
138}
139
140}
141
142
143 private void EditReaderbtn_Click(object sender, EventArgs e)
144 {
145     EditReadFrom editReadFrom = new EditReadFrom();
146     editReadFrom.Show();
147     this.Hide();
148 }
149
150 private void AddReaderbtn_Click(object sender, EventArgs e)
151 {
152     Reader_Management reader_Management = new Reader_Management();
153     reader_Management.Show();
154     this.Hide();
155 }
156
157 private void ViewReaderbtn_Click(object sender, EventArgs e)
158 {
159     ViewReaderfrom reader_from = new ViewReaderfrom();
160     reader_from.Show();
161     this.Hide();
162 }
163
164 private void textsearch_Click(object sender, EventArgs e)
165 {
166     textsearch.Clear();
167 }
168
169 private void Delete_Click(object sender, EventArgs e)
170 {
171     if (string.IsNullOrWhiteSpace(textReaderId.Text))
172     {
173         MessageBox.Show("please Enter Reader Id");
174     }
175     else
```

Public Library management System

```
173 }  
174     MessageBox.Show("Please Enter Reader Id");  
175 }  
176 else  
177 {  
178     string searchKey = textReaderId.Text;  
179     String Sql = "SELECT * From ReaderDetail WHERE Reader_ID ={searchKey}";  
180     DataTable dt = DB.search(Sql);  
181     if (dt.Rows.Count > 0)  
182     {  
183         textReaderId.Text = dt.Rows[0][0].ToString();  
184         textFullName.Text = dt.Rows[0][1].ToString();  
185         textNIC.Text = dt.Rows[0][2].ToString();  
186         DOBText.Text = dt.Rows[0][3].ToString();  
187         RelText.Text = dt.Rows[0][4].ToString();  
188         genderText.Text = dt.Rows[0][5].ToString();  
189         textHome.Text = dt.Rows[0][6].ToString();  
190         textHomeAddress.Text = dt.Rows[0][8].ToString();  
191         textWorkAddress.Text = dt.Rows[0][9].ToString();  
192         textOccupation.Text = dt.Rows[0][10].ToString();  
193         textgFullname.Text = dt.Rows[0][10].ToString();  
194         textnicText.Text = dt.Rows[0][12].ToString();  
195         textOccupation.Text = dt.Rows[0][13].ToString();  
196         textWorkAddress.Text = dt.Rows[0][14].ToString();  
197         textAssessmenttho.Text = dt.Rows[0][15].ToString();  
198         textContactNo.Text = dt.Rows[0][16].ToString();  
199         string AvailableBook = dt.Rows[0][17].ToString();  
200         ABook = Convert.ToInt32(AvailableBook);  
201         Delete.Visible = false;  
202         confirm.Visible = true;  
203     }  
204     else  
205     {  
206         MessageBox.Show("Reader Id Is Invalid");  
207     }  
208 }  
209  
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211  
212  
213  
214  
215 }  
216 // reference  
217 private void Backbtn_Click(object sender, EventArgs e)  
218 {  
219     DashBord dashBord = new DashBord();  
220     dashBord.Show();  
221     this.Hide();  
222 }  
223 // reference  
224 private void Clearbtn_Click(object sender, EventArgs e)  
225 {  
226     textReaderId.Text = "";  
227     textFullName.Text = "";  
228     textNIC.Text = "";
```

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search - Public Library management System

ViewReaderfrom.cs DeleteReader.cs EditReadFrom.cs [Design] DeleteReader.cs [Design] EditReadFrom.cs Reader_Managment.cs*

Public Library management System -> Public_Library_management_System.ViewReaderfrom -> ViewReaderfrom()

```

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 
11 namespace Public_Library_management_System
12 {
13     public partial class ViewReaderfrom : Form
14     {
15         public ViewReaderfrom()
16         {
17             InitializeComponent();
18         }
19         DBCconnection1 DB = new DBCconnection1();
20 
21         private void ViewReaderfrom_Load(object sender, EventArgs e)
22         {
23             ViewReadBtn.Enabled = false;
24             AddReaderBtn.Enabled = true;
25             EditReaderBtn.Enabled = true;
26             DeleteReaderBtn.Enabled = true;
27             loaddatatable();
28         }
29 
30         void loaddatatable()
31         {
32             String Sql = "SELECT Top 10 * FROM ReaderDetail ORDER BY Reader_ID DESC";
33             DataTable dt = DB.searchSql();
34             DataGridviewReaderDetail.DataSource = dt;
35         }
36 
37         private void SearchBtn_Click(object sender, EventArgs e)
38         {
39             string searchKey = textsearch.Text;
40             String Sql = $"SELECT * From ReaderDetail WHERE Reader_ID LIKE '{searchKey}%' OR [Reader Full Name] LIKE '{searchKey}%' OR [Reader NIC Number] LIKE '{searchKey}%' OR [Reader Date Of Birth] LIKE '{searchKey}%' OR [Guarantor's Occupation] LIKE '{searchKey}%' OR [Guarantor's Work Address] LIKE '{searchKey}%' OR [Guarantor's Assessment No] LIKE '{searchKey}%' OR [Guarantor's Contact No] LIKE '{searchKey}%'";
41             DataTable dt = DB.searchSql();
42             DataGridviewReaderDetail.DataSource = dt;
43         }
44 
45         private void ViewReaderBtn_Click(object sender, EventArgs e)
46         {
47             Reader_Management reader_Management = new Reader_Management();
48             reader_Management.Show();
49         }
50 
51         private void AddReaderBtn_Click(object sender, EventArgs e)
52         {
53             AddReaderfrom addReaderfrom = new AddReaderfrom();
54             addReaderfrom.Show();
55         }
56     }
57 
```

Output

Show output from: Debug

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search - Public Library management System

DeleteReader.cs EditReadFrom.cs [Design] DeleteReader.cs [Design] EditReadFrom.cs Reader_Managment.cs* Reader_Manag...cs [Design]

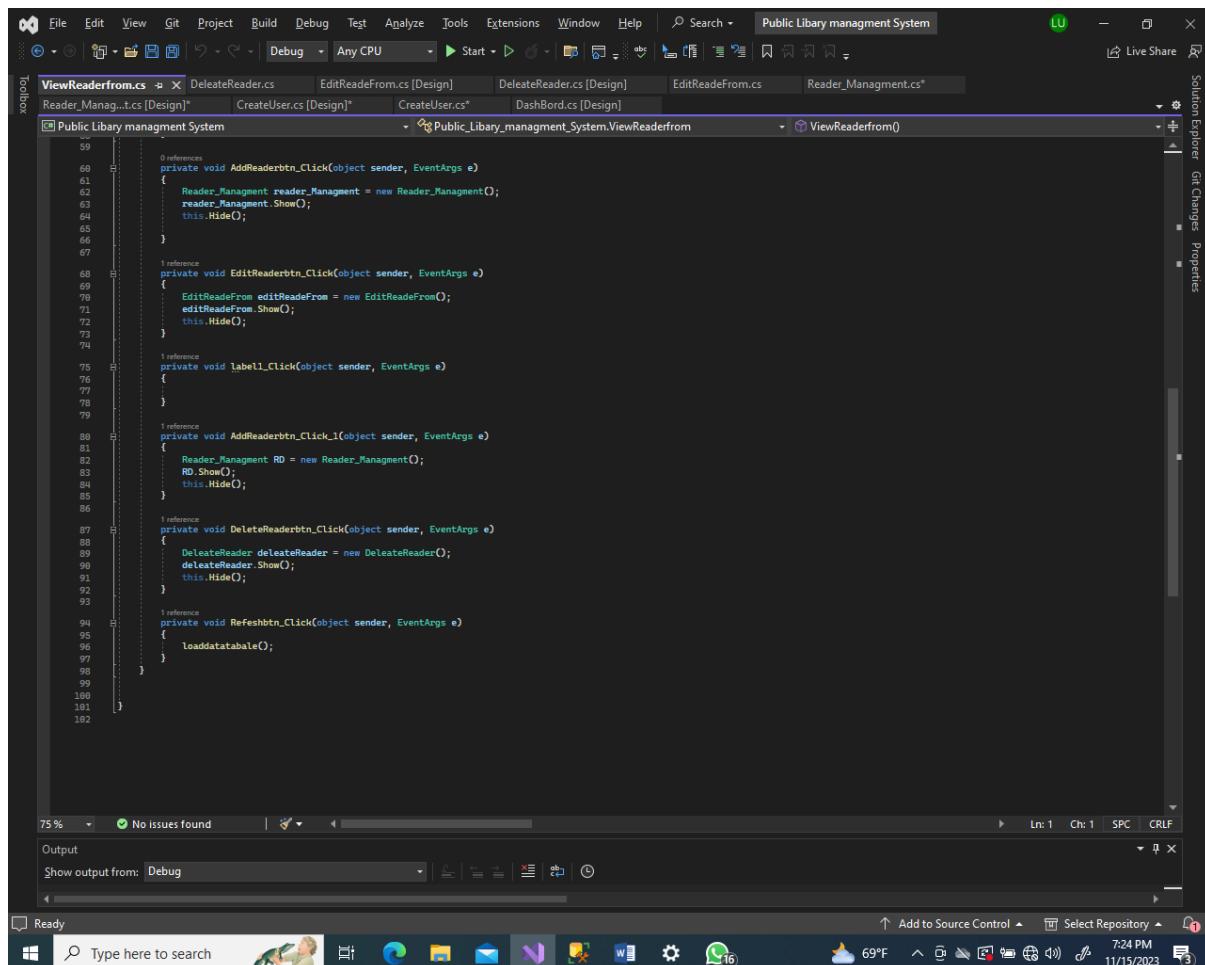
Public Library management System -> Public_Library_management_System.DeleteReader -> SearchBtn_Click(object sender, EventArgs e)

```

1  if (textReaderId.Text == "")
2  {
3     MessageBox.Show("Reader Id Is Invalid");
4  }
5 
6  private void Backbtn_Click(object sender, EventArgs e)
7  {
8     DashBord dashBord = new DashBord();
9     dashBord.show();
10    this.Hide();
11 }
12 
13 private void Clearbtn_Click(object sender, EventArgs e)
14 {
15     textReaderId.Text = "";
16     textFullName.Text = "";
17     textNIC.Text = "";
18     DOBtext.Text = "";
19     ReligionText.Text = "";
20     textMobile.Text = "";
21     textHome.Text = "";
22     textAddress.Text = "";
23     textWorkAddress.Text = "";
24     textOccupation.Text = "";
25     textfullname.Text = "";
26     textGnic.Text = "";
27     textAddress.Text = "";
28     textMobileText.Text = "";
29     textWorkAddress.Text = "";
30     textGassessmentNo.Text = "";
31     textGcontactNo.Text = "";
32 }
33 
34 private void DateOfBrith_ValueChanged(object sender, EventArgs e)
35 {
36     DOBtext.Text = DateOfBrith.Value.ToString("yyyy-MM-dd");
37 }
38 
```

Output

Show output from: Debug



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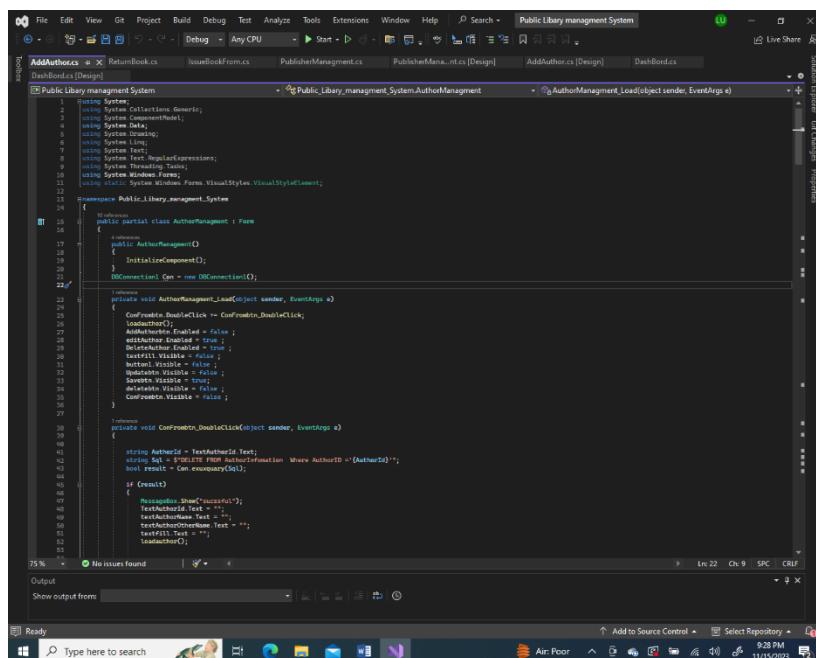
```

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Show output from: Debug

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Author Management



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Show output from: Debug

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Public Library management System

```

55     }
56     else
57     {
58         MessageBox.Show("unsuccessful");
59     }
60     ConFrombtn.Visible = false;
61     deletebtn.Visible = true;
62 }

71    //reference
72    private void Backbtn_Click(object sender, EventArgs e)
73    {
74        DashBord dashBord = new DashBord();
75        dashBord.Show();
76        this.Hide();
77    }

78    //reference
79    private void Clearbtn_Click(object sender, EventArgs e)
80    {
81        TextAuthorId.Text = "";
82        textAuthorName.Text = "";
83        textAuthorOtherName.Text = "";
84        textfill.Text = "";
85    }

86    //reference
87    private void Savebtn_Click(object sender, EventArgs e)
88    {
89        if(string.IsNullOrWhiteSpace(TextAuthorId.Text))
90        {
91            if(string.IsNullOrWhiteSpace(textAuthorName.Text))
92            {
93                MessageBox.Show("Please Enter Author ID And Name");
94            }
95            else if (string.IsNullOrWhiteSpace(textAuthorName.Text))
96            {
97                MessageBox.Show("Please Enter Author Name ");
98            }
99            else
100        {
101            string AuthorId = TextAuthorId.Text;
102            string AuthorName = textAuthorName.Text;
103            string OtherName = textAuthorOtherName.Text;
104
105            string Sql = $"INSERT INTO AuthorInformation VALUES ('{AuthorId}', '{AuthorName}', '{OtherName}')";
106            bool result = Con.exuxquery(Sql);
107
108            if (result)
109            {
110                MessageBox.Show("successful");
111                TextAuthorId.Text = "";
112                textAuthorName.Text = "";
113                textAuthorOtherName.Text = "";
114                loadauthor();
115            }
116            else
117            {
118                MessageBox.Show("unsuccessful");
119            }
120        }
121    }

122    //reference
123    void loadauthor()
124    {
125        String Sql = "SELECT Top 100* FROM AuthorInformation ORDER BY AuthorID DESC";
126        DataTable dt = Con.search(Sql);
127        AuthorGridView.DataSource = dt;
128    }

129    //reference
130    private void Refreshbtn_Click(object sender, EventArgs e)
131    {
132        loadauthor();
133    }

134    //reference
135    private void button2_Click(object sender, EventArgs e)
136    {
137        String Sql;
138        string searchKey = textsearch.Text;
139        if (!int.TryParse(searchKey, out int searchId))
140        {
141            Sql = $"SELECT * From AuthorInformation WHERE AuthorID={searchId}";
142        }
143        else
144        {
145            Sql = $"SELECT * From AuthorInformation WHERE AuthorName LIKE '%{searchKey}%' OR [Author other Name] LIKE '%{searchKey}%'";
146        }
147
148        DataTable dt = Con.search(Sql);
149        AuthorGridView.DataSource = dt;
150    }

151    //reference
152    private void textfill_MouseClick(object sender, MouseEventArgs e)
153    {
154        textfill.Clear();
155    }

```

No issues found

Output

Show output from:

Public Library management System

```

105        string Sql = $"INSERT INTO AuthorInformation VALUES ('{AuthorId}', '{AuthorName}', '{OtherName}')";
106        bool result = Con.exuxquery(Sql);

107        if (result)
108        {
109            MessageBox.Show("successful");
110            TextAuthorId.Text = "";
111            textAuthorName.Text = "";
112            textAuthorOtherName.Text = "";
113            loadauthor();
114        }
115        else
116        {
117            MessageBox.Show("unsuccessful");
118        }
119    }

120    //reference
121    void loadauthor()
122    {
123        String Sql = "SELECT Top 100* FROM AuthorInformation ORDER BY AuthorID DESC";
124        DataTable dt = Con.search(Sql);
125        AuthorGridView.DataSource = dt;
126    }

127    //reference
128    private void Refreshbtn_Click(object sender, EventArgs e)
129    {
130        loadauthor();
131    }

132    //reference
133    private void button2_Click(object sender, EventArgs e)
134    {
135        String Sql;
136        string searchKey = textsearch.Text;
137        if (!int.TryParse(searchKey, out int searchId))
138        {
139            Sql = $"SELECT * From AuthorInformation WHERE AuthorID={searchId}";
140        }
141        else
142        {
143            Sql = $"SELECT * From AuthorInformation WHERE AuthorName LIKE '%{searchKey}%' OR [Author other Name] LIKE '%{searchKey}%'";
144        }
145
146        DataTable dt = Con.search(Sql);
147        AuthorGridView.DataSource = dt;
148    }

149    //reference
150    private void textfill_MouseClick(object sender, MouseEventArgs e)
151    {
152        textfill.Clear();
153    }

```

No issues found

Output

Show output from:

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManag...nt.cs [Design] AddAuthor.cs [Design] DashBord.cs

```

1 reference
158     private void button1_Click(object sender, EventArgs e)
159     {
160         if (String.IsNullOrWhiteSpace(textfill.Text))
161         {
162             MessageBox.Show("please Enter Author Id");
163         }
164         string ENTERID = textfill.Text.Trim();
165         string sql = "SELECT * FROM AuthorInformation Where AuthorID='{ENTERID}' ";
166         DataTable dt = Con.search(sql);
167         if(dt.Rows.Count > 0)
168         {
169             string Id = dt.Rows[0][0].ToString();
170             string Name = dt.Rows[0][1].ToString();
171             string otherName = dt.Rows[0][2].ToString();
172             TextAuthorId.Text = Id;
173             textAuthorName.Text = Name;
174             textAuthorOtherName.Text = otherName;
175         }
176         else
177         {
178             MessageBox.Show("please Enter Valid Id");
179         }
180     }
181 }

1 reference
182     private void editAuthor_Click(object sender, EventArgs e)
183     {
184         button1.Visible=true; textfill.Visible = true;
185         Updatebtn.Visible = true;
186         Addauthorbtm.Enabled = true;
187         DeleteAuthor.Enabled = true;
188         editAuthor.Enabled = false;
189         Savebtn.Visible = false;
190         deletebtn.Visible = false;
191         loadauthor();
192     }
193 }

1 reference
194     private void AddAuthorbtm_Click(object sender, EventArgs e)
195     {
196         loadauthor();
197         Addauthorbtm.Enabled = false;
198         editAuthor.Enabled = true;
199         DeleteAuthor.Enabled = true;
200         textfill.Visible = false;
201         button1.Visible = false;
202         Updatebtn.Visible = false;
203         Savebtn.Visible = true;
204         deletebtn.Visible = false;
205         ConFrombtm.Visible = false;
206     }
207 }

1 reference
208     private void AuthorGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
209     {
210         if (AuthorGridView1.Rows[e.RowIndex].Cells[e.ColumnIndex].Value != null)
211     }

```

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Output

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AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManag...nt.cs [Design] AddAuthor.cs [Design] DashBord.cs

```

215     }
216 }

1 reference
217     private void Updatebtn_Click(object sender, EventArgs e)
218     {
219         if (String.IsNullOrWhiteSpace(TextAuthorId.Text))
220         {
221             if (String.IsNullOrWhiteSpace(textAuthorName.Text))
222             {
223                 MessageBox.Show("Please Enter Author ID And Name");
224             }
225             else
226             {
227                 MessageBox.Show("please Enter Author Id");
228             }
229         }
230         else if (String.IsNullOrWhiteSpace(textAuthorName.Text))
231         {
232             MessageBox.Show("Please Enter Author Name ");
233         }
234         else
235         {
236             string AuthorId = TextAuthorId.Text;
237             string AuthorName = textAuthorName.Text;
238             string OtherName = textAuthorOtherName.Text;
239             string Sql = $"UPDATE AuthorInformation SET AuthorName='{AuthorName}', [Author othe Name]='{OtherName}'Where AuthorID='{AuthorId}'";
240             bool result = Con.exquxury(Sql);
241             if (result)
242             {
243                 MessageBox.Show("sucessful");
244                 TextAuthorId.Text = "";
245                 textAuthorName.Text = "";
246                 textAuthorOtherName.Text = "";
247                 textfill.Text = "";
248                 loadauthor();
249             }
250             else
251             {
252                 MessageBox.Show("unsuccessful");
253             }
254         }
255     }

256     private void deletebtn_Click(object sender, EventArgs e)
257     {
258         string AuthorId = TextAuthorId.Text;
259         string sql = $"SELECT * FROM AuthorInformation Where AuthorID ='{AuthorId}' ";
260         DataTable dt = Con.search(sql);
261         if (dt.Rows.Count > 0)
262         {
263             string Id = dt.Rows[0][0].ToString();
264             string Name = dt.Rows[0][1].ToString();
265             string otherName = dt.Rows[0][2].ToString();
266             TextAuthorId.Text = Id;
267             textAuthorName.Text = Name;
268             textAuthorOtherName.Text = otherName;
269         }
270     }

```

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System

AddAuthor.cs x ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManag...nt.cs [Design] AddAuthor.cs [Design] DashBord.cs

Public Library management System Public_Library_management_System.AuthorManagement AuthorManagement_Load(object sender, EventArgs e)

```

285
286
287 private void DeleteAuthor_Click(object sender, EventArgs e)
288 {
289     textfill.Visible = true; button1.Visible = true;
290     deleteAuthor.Enabled = true; Confrimbtn.Visible = false;
291     DeleteAuthor.Enabled = false;
292     AddAuthorbtn.Enabled = true;
293     editAuthor.Enabled = true;
294     Updatebtn.Visible = false;
295 }
296
297 private void publishermanagementbtn_Click(object sender, EventArgs e)
298 {
299     PublisherManagement publisherManagement = new PublisherManagement();
300     publisherManagement.Show();
301 }
302
303 private void ConFrmitn_Click(object sender, EventArgs e)
304 {
305 }
306
307 private void button3_Click(object sender, EventArgs e)
308 {
309     BookManagement bookManagement = new BookManagement();
310     bookManagement.Show();
311 }
312
313
314 private void ReaderManagement_Click(object sender, EventArgs e)
315 {
316     ViewReaderFrom viewReaderFrom = new ViewReaderFrom();
317     viewReaderFrom.Show();
318 }
319
320
321
322
323 private void button2_Click_1(object sender, EventArgs e)
324 {
325     PublisherManagement publisherManagement = new PublisherManagement();
326     publisherManagement.Show();
327 }
328
329
330 private void button3_Click_1(object sender, EventArgs e)
331 {
332     BookManagement bookManagement = new BookManagement();
333     bookManagement.Show(); this.Close();
334 }
335
336
337 private void button4_Click_1(object sender, EventArgs e)
338 {
339     ViewReaderFrom viewReaderFrom = new ViewReaderFrom();
340     viewReaderFrom.Show();
341 }
342
343
344 private void button2_Click_1(object sender, EventArgs e)
345 {
346     PublisherManagement publisherManagement = new PublisherManagement();
347     publisherManagement.Show();
348 }
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350
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```

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Public Library management System Public_Library_management_System.AuthorManagement AuthorManagement_Load(object sender, EventArgs e)

```

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```

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Publisher Management

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace Public_Library_Management_System
{
    public partial class PublisherManagement : Form
    {
        public PublisherManagement()
        {
            InitializeComponent();
        }

        DBConnection1 con = new DBConnection1();
        private void PublisherManagement_Load(object sender, EventArgs e)
        {
            ConFrombtn.DoubleClick += ConFrombtn_DoubleClick;
            loadpublisher();
            AddPublisher.Enabled = false;
            textfill.Visible = false;
            buttonDelete.Enabled = false;
            deletebtn.Visible = false;
            ConFrombtn.Visible = false;
            Updatebtn.Visible = false;
            loadpublisher();
        }

        private void ConFrombtn_DoubleClick(object sender, EventArgs e)
        {
            string ID = TextpublisherId.Text;
            string Sql = "DELETE FROM PublisDetail Where PublisherID ='" + ID + "'";
            bool result = con.exexcutequery(Sql);

            if (result)
            {
                MessageBox.Show("successful");
                TextpublisherId.Text = "";
                Textpublisname.Text = "";
                Textpublisothername.Text = "";
                loadpublisher();
            }
            else
            {
                MessageBox.Show("unsuccessful");
            }
        }

        private void Updatebtn_Click(object sender, EventArgs e)
        {
            string ID = TextpublisherId.Text;
            string Sql = "UPDATE PublisDetail SET PublisherName ='" + Textpublisname.Text + "' , OtherName ='" + Textpublisothername.Text + "' WHERE PublisherID ='" + ID + "'";
            bool result = con.exexcutequery(Sql);
            if (result)
            {
                MessageBox.Show("updated successfully");
                TextpublisherId.Text = "";
                Textpublisname.Text = "";
                Textpublisothername.Text = "";
                loadpublisher();
            }
            else
            {
                MessageBox.Show("unsuccessful");
            }
        }
    }
}
```

The screenshot shows the Microsoft Visual Studio IDE interface. The title bar reads "Public Library management System". The menu bar includes File, Edit, View, Git, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help, and a Search dropdown. The toolbar has icons for New, Open, Save, Cut, Copy, Paste, Find, Replace, and others. The status bar at the bottom right shows "80°F Partly cloudy", "9:31 PM", and "11/15/2023".

The code editor displays the `PublisherManagement.cs` file. The code implements a search functionality for publishers. It defines a `loadpublisher()` method to fetch top 10 publishers from the database. It handles a `Search_Click` event where it checks if the search key is empty or contains whitespace. If not, it performs a search by ID or name. The `Refreshbtn_Click` and `AddPublisher_Click` events also call the `loadpublisher()` method.

```
55     ConFromtn.Visible = false;
56     deletebtn.Visible = true;
57   }
58 
59   void loadpublisher()
60   {
61     String Sql = "SELECT Top 10* FROM PublisherDetail ORDER BY PubliserID DESC";
62     DataTable dt = con.search(Sql);
63     PublisherGridView1.DataSource = dt;
64   }
65 
66   private void Search_Click(object sender, EventArgs e)
67   {
68     if (string.IsNullOrWhiteSpace(textfill.Text))
69     {
70       MessageBox.Show("Please Enter Deatil");
71     }
72     else
73     {
74       String searchkey = textsearch.Text;
75       if (int.TryParse(searchKey, out int searchId))
76       {
77         Sql = $"SELECT * From PublisherDetail WHERE PubliserID={searchId}";
78       }
79       else
80       {
81         Sql = $"SELECT * From PublisherDetail WHERE PublisherName LIKE '%{searchKey}%' OR [Publiser other Name] LIKE '{searchKey}%'";
82       }
83 
84       DataTable dt = con.search(Sql);
85       PublisherGridView1.DataSource = dt;
86     }
87   }
88 
89   private void Refreshbtn_Click(object sender, EventArgs e)
90   {
91     loadpublisher();
92   }
93 
94   private void AddPublisher_Click(object sender, EventArgs e)
95   {
96     loadpublisher();
97     AddPublisher.Enabled = false;
98     textfill.Visible = false;
99     textsearch.Visible = false;
100    deletebtn.Visible = false;
101    ConFromtn.Visible = false;
102    Updatebtn.Visible = false;
103    Savebtn.Visible = true;
104    editPublisher.Enabled = true;
105    editPublisher.Focus();
106  }
```



```

    public void Updatebtn_Click(object sender, EventArgs e)
    {
        string EnterId = txtfill.Text;
        string EnterName = txtfill.Name;
        string EnterOtherName = txtfill.OtherName;

        string sql = "UPDATE PublisherDetail SET Name = @Name, OtherName = @OtherName WHERE Id = @Id";
        SqlCommand cmd = new SqlCommand(sql, con);
        cmd.Parameters.AddWithValue("@Id", EnterId);
        cmd.Parameters.AddWithValue("@Name", EnterName);
        cmd.Parameters.AddWithValue("@OtherName", EnterOtherName);

        int result = cmd.ExecuteNonQuery();
        if (result > 0)
        {
            MessageBox.Show("Record Updated");
            txtfill.Clear();
        }
        else
        {
            MessageBox.Show("Record Not Updated");
        }
    }
}

```

```

    public void AuthorManagementbtn_Click(object sender, EventArgs e)
    {
        AuthorManagement authorManagement = new AuthorManagement();
        authorManagement.Show();
    }
}

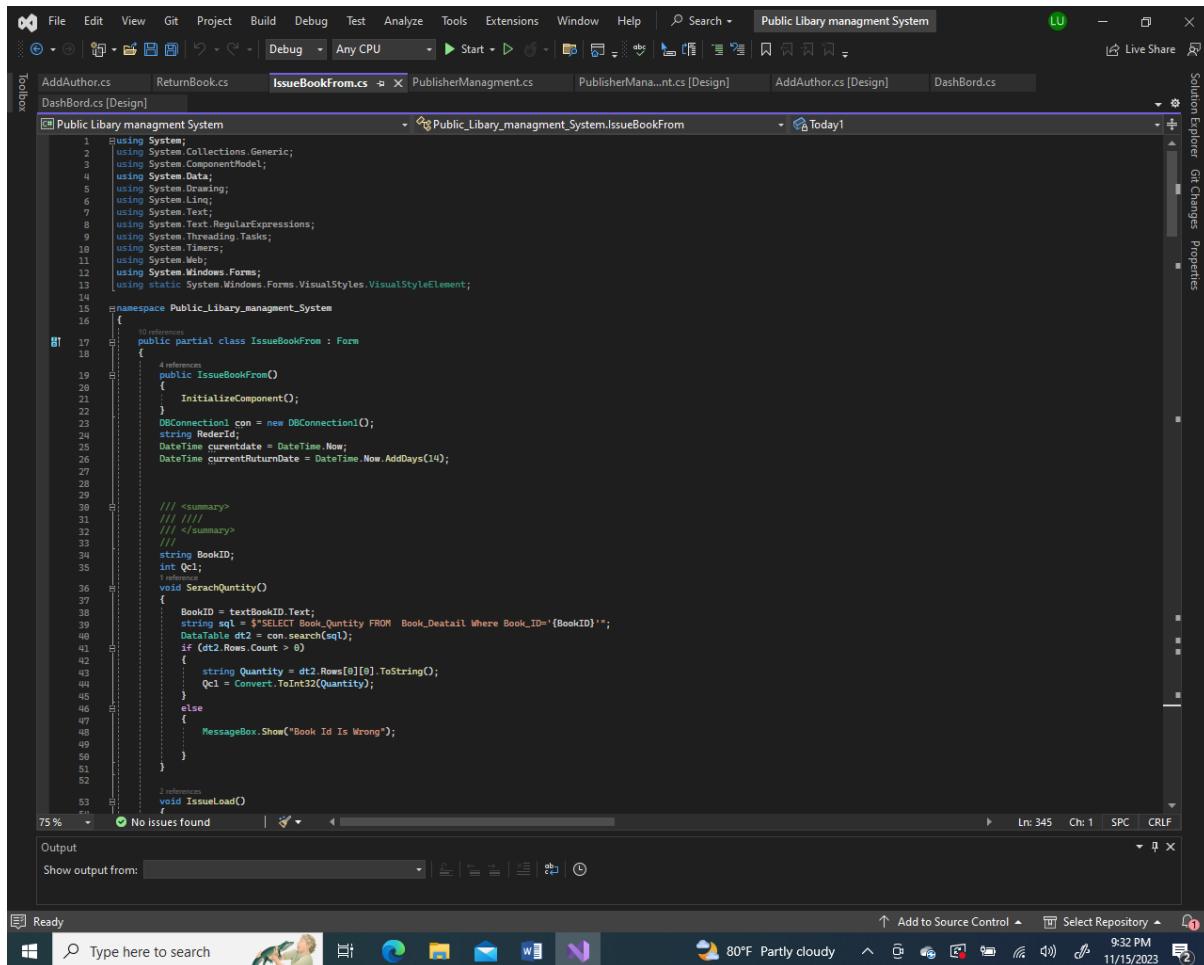
private void PublisherGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
    if (PublisherGridView1.Rows[e.RowIndex].Cells[e.ColumnIndex].Value != null)
    {
        string EnterId = PublisherGridView1.Rows[e.RowIndex].Cells[0].Value.ToString();
        txtfill.Text = EnterId;
    }
}

```

```
Public Library management System
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Live Share
AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs [Design] AddAuthor.cs [Design] DashBord.cs
DashBord.cs [Design]
Public Library management System Public_Library_management_System.PublisherManagement Updatebtn_Click(object sender, EventArgs e)
303 }
304 }
305 }
306 private void PublisherGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
307 {
308     if (PublisherGridView1.Rows[e.RowIndex].Cells[e.ColumnIndex].Value != null)
309     {
310         string EnterId = PublisherGridView1.Rows[e.RowIndex].Cells[0].Value.ToString();
311         txtfill.Text = EnterId;
312     }
313 }
314 }
315 private void AuthorManagementbtn_Click(object sender, EventArgs e)
316 {
317     AuthorManagement authorManagement = new AuthorManagement();
318     authorManagement.Show();
319     this.Hide();
320 }
321 }
322 private void button2_Click(object sender, EventArgs e)
323 {
324     PublisherManagement publisherManagement = new PublisherManagement();
325     publisherManagement.Show();
326 }
327 }
328 private void button3_Click(object sender, EventArgs e)
329 {
330     BookManagement bookManagement = new BookManagement();
331     bookManagement.Show();
332 }
333 }
334 private void button4_Click(object sender, EventArgs e)
335 {
336     IssueBookFrom issueBookFrom = new IssueBookFrom();
337     issueBookFrom.Show();
338 }
339 }
340 private void ReaderManagementbtn_Click(object sender, EventArgs e)
341 {
342     Reader_Management reader_Management = new Reader_Management();
343     reader_Management.Show();
344     this.Show();
345 }
346 }
347 private void button5_Click(object sender, EventArgs e)
348 {
349     ReturnBook returnBook = new ReturnBook();
350     returnBook.Show();
351     this.Close();
352 }
353 }
```

75% No issues found | Output | Add to Source Control | Select Repository | 80°F Partly cloudy | 9:31 PM | 11/15/2023

Book Issue



```

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.Text.RegularExpressions;
9  using System.Threading.Tasks;
10 using System.Windows;
11 using System.Windows.Forms;
12 using static System.Windows.Forms.VisualStyles.VisualStyleElement;
13
14 namespace Public_Library_management_System
15 {
16     [System.ComponentModel.ComponentModel]
17     public partial class IssueBookFrom : Form
18     {
19         public IssueBookFrom()
20         {
21             InitializeComponent();
22         }
23         DBConnection1 con = new DBConnection1();
24         string RedefId;
25         DateTime currentdate = DateTime.Now;
26         DateTime currentReturnDate = DateTime.Now.AddDays(14);
27
28
29
30         /// <summary>
31         /// </summary>
32         /// </summary>
33         /// <summary>
34         string BookID;
35         int Qcl;
36         void SerachQunty()
37         {
38             BookID = textBoxID.Text;
39             string sql = $"SELECT Book_Qunty FROM Book_Detail Where Book_ID={BookID}";
40             DataTable dt2 = con.search(sql);
41             if (dt2.Rows.Count > 0)
42             {
43                 string Quantity = dt2.Rows[0][0].ToString();
44                 Qcl = Convert.ToInt32(Quantity);
45             }
46             else
47             {
48                 MessageBox.Show("Book Id Is Wrong");
49             }
50         }
51
52
53         void IssueLoad()
54     }
    
```

Output

Show output from:

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search ▾ Public Library management System

AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManagement.cs [Design] AddAuthor.cs [Design] DashBord.cs

Public Library management System Public_Library_management_System.IssueBookFrom Today

```

50
51
52
53 void IssueLoad()
54 {
55     string sql = "SELECT R.Reader_ID ,R.[Reader Full Name],R.[Book Available Count],b.Book_ID,b.[Book Name],b.Book_Qunty,IT.IssueDate,IT.Due_Date,IT.ReturnDate ,Ur.FIRST_NAME,Ur.UserRole";
56     DataTable dt = con.search(sql);
57     dataGridView1.DataSource = dt;
58 }
59
60 private void IssueBookFrom_Load(object sender, EventArgs e)
61 {
62     IssueLoad();
63     panel1.Visible = false;
64     countdisplaytext.Enabled = false;
65     textBox2.Text = currentdate.ToString("dd-MMM-yyyy");
66     textBox1.Text=currentdate.ToString("dd-MMM-yyyy");
67     textBox2.Enabled = false;
68     ReturndateText.Text = currentReturnDate.ToString("dd-MMM-yyyy");
69     ReturndateText.Enabled = false;
70     textBox1.Enabled = false;
71 }
72
73 private void nextbtn_Click(object sender, EventArgs e)
74 {
75     if (string.IsNullOrWhiteSpace(textBox1.Text))
76     {
77         MessageBox.Show("Please Enter User Id ");
78     }
79     else
80     {
81         ReaderId = textBox1.Text;
82         string Sql = "SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{" + ReaderId + "}'";
83         DataTable dt = con.search(Sql);
84
85
86         if (dt.Rows.Count > 0)
87         {
88             string RVbook = dt.Rows[0][0].ToString();
89             int readerAB = Convert.ToInt32(RVbook);
90             if (readerAB > 0)
91             {
92                 panel1.Visible=true;
93                 nextbtn.Visible=false;
94                 countdisplaytext.Text = RVbook;
95             }
96             else
97             {
98                 countdisplaytext.Text = "The Reader Not Return Book";
99             }
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
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AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManagement.cs [Design] AddAuthor.cs [Design] DashBord.cs

Public Library management System Public_Library_management_System.IssueBookFrom Today

```

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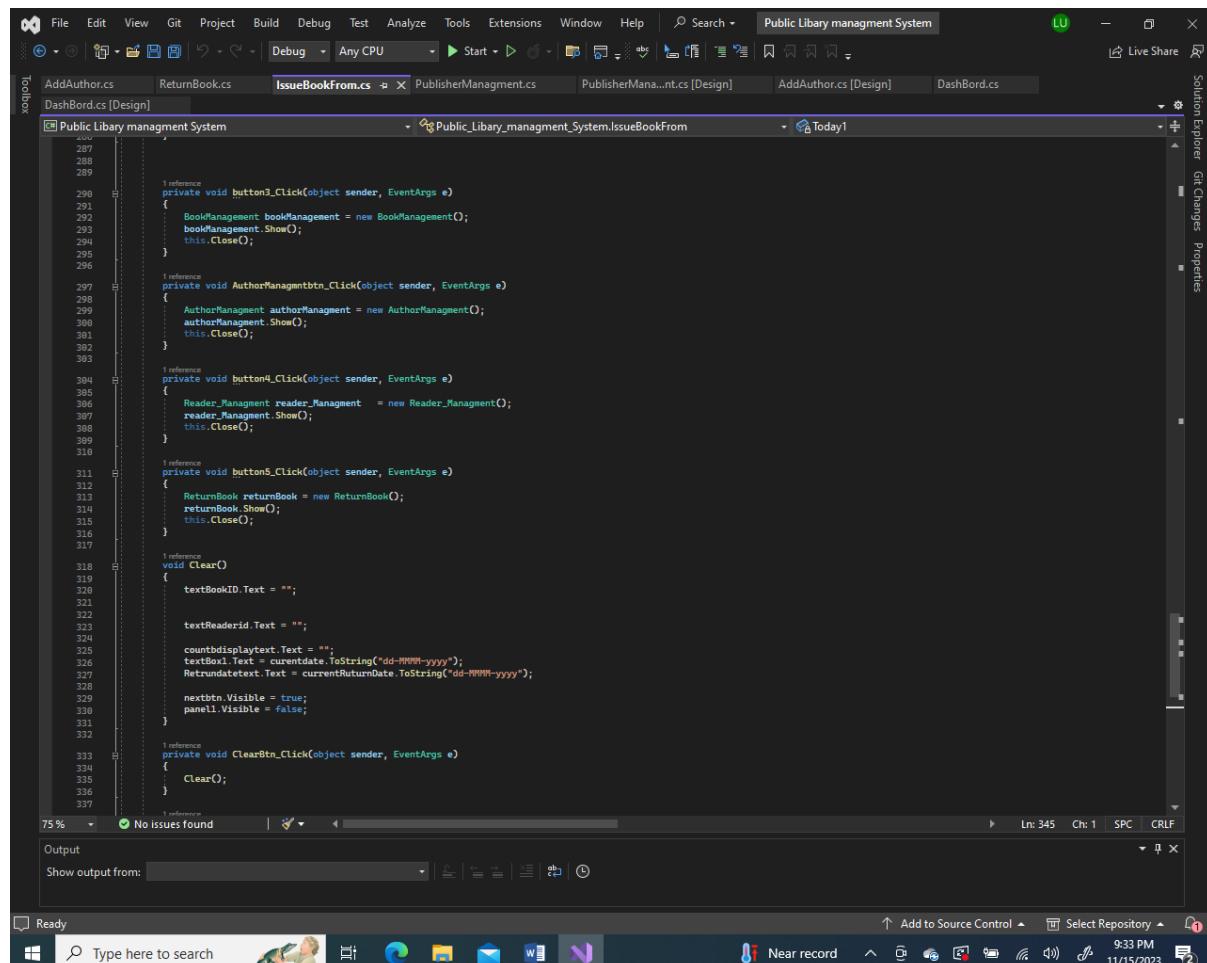
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Public Library management System

```

167     {
168         string dateobjct;
169         string date2 = textBox1.Text;
170         var date = Convert.ToDateTime(date2);
171
172         int year = date.Year;
173         int month = date.Month;
174         int day = date.Day;
175
176         var Today = new DateTime(year, month, day);
177         DateTime DueDate = Today.AddDays(14);
178         DueDate = DueDate.ToString();
179         Today1 = Today.ToString();
180         textBox1.Text = Today1;
181         Retrundatetxt.Text = DueDate;
182     }
183
184     void INSERTISSUATABALE()
185     {
186         IssueIDSq();
187         dateobjct();
188
189         string sq13 = $"INSERT INTO IssuTabale VALUES ('{PresentIssueID}', '{RederId}', '{Today1}', '{DueDate1}', ''')";
190         bool result = con.exuxquery(sq13);
191         if (result)
192         {
193             IssueBOOK();
194         }
195         else
196         {
197             MessageBox.Show("unsuccessfull");
198         }
199
200         void BookQuntyUpdate()
201     {
202
203         string sql = $"UPDATE Book_Detail SET Book_Qunty='{nombokCount}' WHERE Book_ID='{BookID}' ";
204         bool result = con.exuxquery(sql);
205         if (result)
206         {
207             REderAB();
208         }
209         else
210         {
211             MessageBox.Show("Issue sucessful " + BookID + " And " + BookID + "Quantity Is Update unsuccessfull");
212         }
213
214     }
215
216     void REderAB()
217     {
218         RederId = textReaderid.Text;
219         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
220         DataTable dt = con.search(Sql);
221         string DatabaseAvailable = dt.Rows[0][0].ToString();
222         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
223         int NRAB = DatabaseAvailable2 - 1;
224         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
225         bool result = con.exuxquery(Sql2);
226         if (result)
227         {
228             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
229             textBoxID.Text = "";
230             textReaderid.Text = "";
231             countdisplay.Text = "";
232             panel1.Visible = false;
233             nextbtn.Visible = true;
234             IssueLoad();
235         }
236         else
237         {
238             MessageBox.Show("Not Update Reader Book Available Count");
239         }
240
241         private void SumbitBtn_Click(object sender, EventArgs e)
242         {
243             if (string.IsNullOrWhiteSpace(textBoxID.Text))
244             {
245                 MessageBox.Show("Please Enter Book Id");
246             }
247             else
248             {
249                 SearchQunty();
250                 if (Qcl > 0)
251                 {
252                     BookQuntysql();
253                 }
254             }
255         }
256
257     }
258
259     void BookQuntysql()
260     {
261
262         void IssueBOOK()
263     {
264         string UserId = Systemcs.loggedUSER_ID;
265         string sql = $"INSERT INTO Issu_book VALUES ('{PresentIssueID}', '{BookID}', '{UserId}', '{RederId}')";
266         bool result = con.exuxquery(sql);
267         if (result)
268         {
269             BookQuntyUpdate();
270         }
271         else
272         {
273             MessageBox.Show("Book Issue Faited");
274         }
275
276     }
277
278     void BookQuntyUpdate()
279     {
280         string BookID = textBoxID.Text;
281         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
282         DataTable dt = con.search(Sql);
283         string DatabaseAvailable = dt.Rows[0][0].ToString();
284         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
285         int NRAB = DatabaseAvailable2 - 1;
286         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
287         bool result = con.exuxquery(Sql2);
288         if (result)
289         {
290             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
291             textBoxID.Text = "";
292             textReaderid.Text = "";
293             countdisplay.Text = "";
294             panel1.Visible = false;
295             nextbtn.Visible = true;
296             IssueLoad();
297         }
298         else
299         {
300             MessageBox.Show("Not Update Reader Book Available Count");
301         }
302
303         private void SumbitBtn_Click(object sender, EventArgs e)
304         {
305             if (string.IsNullOrWhiteSpace(textBoxID.Text))
306             {
307                 MessageBox.Show("Please Enter Book Id");
308             }
309             else
310             {
311                 SearchQunty();
312                 if (Qcl > 0)
313                 {
314                     BookQuntysql();
315                 }
316             }
317         }
318
319     }
320
321     void SearchQunty()
322     {
323         string BookID = textBoxID.Text;
324         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
325         DataTable dt = con.search(Sql);
326         string DatabaseAvailable = dt.Rows[0][0].ToString();
327         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
328         int NRAB = DatabaseAvailable2 - 1;
329         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
330         bool result = con.exuxquery(Sql2);
331         if (result)
332         {
333             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
334             textBoxID.Text = "";
335             textReaderid.Text = "";
336             countdisplay.Text = "";
337             panel1.Visible = false;
338             nextbtn.Visible = true;
339             IssueLoad();
340         }
341         else
342         {
343             MessageBox.Show("Not Update Reader Book Available Count");
344         }
345
346         private void SumbitBtn_Click(object sender, EventArgs e)
347         {
348             if (string.IsNullOrWhiteSpace(textBoxID.Text))
349             {
350                 MessageBox.Show("Please Enter Book Id");
351             }
352             else
353             {
354                 SearchQunty();
355                 if (Qcl > 0)
356                 {
357                     BookQuntysql();
358                 }
359             }
360         }
361
362     }
363
364     void IssueLoad()
365     {
366         string Sql = $"SELECT * FROM Book_Detail";
367         DataTable dt = con.search(Sql);
368         foreach (DataRow dr in dt.Rows)
369         {
370             BookList.Items.Add(dr["Book ID"].ToString() + " " + dr["Book Name"]);
371         }
372     }
373
374     void BookList_SelectedIndexChanged(object sender, EventArgs e)
375     {
376         string BookID = BookList.SelectedItem.ToString();
377         string[] BookIDArr = BookID.Split(' ');
378         BookID = BookIDArr[0];
379         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
380         DataTable dt = con.search(Sql);
381         string DatabaseAvailable = dt.Rows[0][0].ToString();
382         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
383         int NRAB = DatabaseAvailable2 - 1;
384         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
385         bool result = con.exuxquery(Sql2);
386         if (result)
387         {
388             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
389             textBoxID.Text = "";
390             textReaderid.Text = "";
391             countdisplay.Text = "";
392             panel1.Visible = false;
393             nextbtn.Visible = true;
394             IssueLoad();
395         }
396         else
397         {
398             MessageBox.Show("Not Update Reader Book Available Count");
399         }
400
401         private void SumbitBtn_Click(object sender, EventArgs e)
402         {
403             if (string.IsNullOrWhiteSpace(textBoxID.Text))
404             {
405                 MessageBox.Show("Please Enter Book Id");
406             }
407             else
408             {
409                 SearchQunty();
410                 if (Qcl > 0)
411                 {
412                     BookQuntysql();
413                 }
414             }
415         }
416
417     }
418
419     void SearchQunty()
420     {
421         string BookID = textBoxID.Text;
422         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
423         DataTable dt = con.search(Sql);
424         string DatabaseAvailable = dt.Rows[0][0].ToString();
425         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
426         int NRAB = DatabaseAvailable2 - 1;
427         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
428         bool result = con.exuxquery(Sql2);
429         if (result)
430         {
431             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
432             textBoxID.Text = "";
433             textReaderid.Text = "";
434             countdisplay.Text = "";
435             panel1.Visible = false;
436             nextbtn.Visible = true;
437             IssueLoad();
438         }
439         else
440         {
441             MessageBox.Show("Not Update Reader Book Available Count");
442         }
443
444         private void SumbitBtn_Click(object sender, EventArgs e)
445         {
446             if (string.IsNullOrWhiteSpace(textBoxID.Text))
447             {
448                 MessageBox.Show("Please Enter Book Id");
449             }
450             else
451             {
452                 SearchQunty();
453                 if (Qcl > 0)
454                 {
455                     BookQuntysql();
456                 }
457             }
458         }
459
460     }
461
462     void BookQuntysql()
463     {
464
465         void IssueBOOK()
466     {
467         string UserId = Systemcs.loggedUSER_ID;
468         string sql = $"INSERT INTO Issu_book VALUES ('{PresentIssueID}', '{BookID}', '{UserId}', '{RederId}')";
469         bool result = con.exuxquery(sql);
470         if (result)
471         {
472             BookQuntyUpdate();
473         }
474         else
475         {
476             MessageBox.Show("Book Issue Faited");
477         }
478
479     }
480
481     void BookQuntyUpdate()
482     {
483         string BookID = textBoxID.Text;
484         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
485         DataTable dt = con.search(Sql);
486         string DatabaseAvailable = dt.Rows[0][0].ToString();
487         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
488         int NRAB = DatabaseAvailable2 - 1;
489         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
490         bool result = con.exuxquery(Sql2);
491         if (result)
492         {
493             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
494             textBoxID.Text = "";
495             textReaderid.Text = "";
496             countdisplay.Text = "";
497             panel1.Visible = false;
498             nextbtn.Visible = true;
499             IssueLoad();
500         }
501         else
502         {
503             MessageBox.Show("Not Update Reader Book Available Count");
504         }
505
506         private void SumbitBtn_Click(object sender, EventArgs e)
507         {
508             if (string.IsNullOrWhiteSpace(textBoxID.Text))
509             {
510                 MessageBox.Show("Please Enter Book Id");
511             }
512             else
513             {
514                 SearchQunty();
515                 if (Qcl > 0)
516                 {
517                     BookQuntysql();
518                 }
519             }
520         }
521
522     }
523
524     void IssueLoad()
525     {
526         string Sql = $"SELECT * FROM Book_Detail";
527         DataTable dt = con.search(Sql);
528         foreach (DataRow dr in dt.Rows)
529         {
530             BookList.Items.Add(dr["Book ID"].ToString() + " " + dr["Book Name"]);
531         }
532     }
533
534     void BookList_SelectedIndexChanged(object sender, EventArgs e)
535     {
536         string BookID = BookList.SelectedItem.ToString();
537         string[] BookIDArr = BookID.Split(' ');
538         BookID = BookIDArr[0];
539         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
540         DataTable dt = con.search(Sql);
541         string DatabaseAvailable = dt.Rows[0][0].ToString();
542         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
543         int NRAB = DatabaseAvailable2 - 1;
544         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
545         bool result = con.exuxquery(Sql2);
546         if (result)
547         {
548             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
549             textBoxID.Text = "";
550             textReaderid.Text = "";
551             countdisplay.Text = "";
552             panel1.Visible = false;
553             nextbtn.Visible = true;
554             IssueLoad();
555         }
556         else
557         {
558             MessageBox.Show("Not Update Reader Book Available Count");
559         }
560
561         private void SumbitBtn_Click(object sender, EventArgs e)
562         {
563             if (string.IsNullOrWhiteSpace(textBoxID.Text))
564             {
565                 MessageBox.Show("Please Enter Book Id");
566             }
567             else
568             {
569                 SearchQunty();
570                 if (Qcl > 0)
571                 {
572                     BookQuntysql();
573                 }
574             }
575         }
576
577     }
578
579     void SearchQunty()
580     {
581         string BookID = textBoxID.Text;
582         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
583         DataTable dt = con.search(Sql);
584         string DatabaseAvailable = dt.Rows[0][0].ToString();
585         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
586         int NRAB = DatabaseAvailable2 - 1;
587         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
588         bool result = con.exuxquery(Sql2);
589         if (result)
590         {
591             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
592             textBoxID.Text = "";
593             textReaderid.Text = "";
594             countdisplay.Text = "";
595             panel1.Visible = false;
596             nextbtn.Visible = true;
597             IssueLoad();
598         }
599         else
600         {
601             MessageBox.Show("Not Update Reader Book Available Count");
602         }
603
604         private void SumbitBtn_Click(object sender, EventArgs e)
605         {
606             if (string.IsNullOrWhiteSpace(textBoxID.Text))
607             {
608                 MessageBox.Show("Please Enter Book Id");
609             }
610             else
611             {
612                 SearchQunty();
613                 if (Qcl > 0)
614                 {
615                     BookQuntysql();
616                 }
617             }
618         }
619
620     }
621
622     void BookQuntysql()
623     {
624
625         void IssueBOOK()
626     {
627         string UserId = Systemcs.loggedUSER_ID;
628         string sql = $"INSERT INTO Issu_book VALUES ('{PresentIssueID}', '{BookID}', '{UserId}', '{RederId}')";
629         bool result = con.exuxquery(sql);
630         if (result)
631         {
632             BookQuntyUpdate();
633         }
634         else
635         {
636             MessageBox.Show("Book Issue Faited");
637         }
638
639     }
640
641     void BookQuntyUpdate()
642     {
643         string BookID = textBoxID.Text;
644         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
645         DataTable dt = con.search(Sql);
646         string DatabaseAvailable = dt.Rows[0][0].ToString();
647         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
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649         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
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653             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
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655             textReaderid.Text = "";
656             countdisplay.Text = "";
657             panel1.Visible = false;
658             nextbtn.Visible = true;
659             IssueLoad();
660         }
661         else
662         {
663             MessageBox.Show("Not Update Reader Book Available Count");
664         }
665
666         private void SumbitBtn_Click(object sender, EventArgs e)
667         {
668             if (string.IsNullOrWhiteSpace(textBoxID.Text))
669             {
670                 MessageBox.Show("Please Enter Book Id");
671             }
672             else
673             {
674                 SearchQunty();
675                 if (Qcl > 0)
676                 {
677                     BookQuntysql();
678                 }
679             }
680         }
681
682     }
683
684     void IssueLoad()
685     {
686         string Sql = $"SELECT * FROM Book_Detail";
687         DataTable dt = con.search(Sql);
688         foreach (DataRow dr in dt.Rows)
689         {
690             BookList.Items.Add(dr["Book ID"].ToString() + " " + dr["Book Name"]);
691         }
692     }
693
694     void BookList_SelectedIndexChanged(object sender, EventArgs e)
695     {
696         string BookID = BookList.SelectedItem.ToString();
697         string[] BookIDArr = BookID.Split(' ');
698         BookID = BookIDArr[0];
699         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
700         DataTable dt = con.search(Sql);
701         string DatabaseAvailable = dt.Rows[0][0].ToString();
702         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
703         int NRAB = DatabaseAvailable2 - 1;
704         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
705         bool result = con.exuxquery(Sql2);
706         if (result)
707         {
708             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
709             textBoxID.Text = "";
710             textReaderid.Text = "";
711             countdisplay.Text = "";
712             panel1.Visible = false;
713             nextbtn.Visible = true;
714             IssueLoad();
715         }
716         else
717         {
718             MessageBox.Show("Not Update Reader Book Available Count");
719         }
720
721         private void SumbitBtn_Click(object sender, EventArgs e)
722         {
723             if (string.IsNullOrWhiteSpace(textBoxID.Text))
724             {
725                 MessageBox.Show("Please Enter Book Id");
726             }
727             else
728             {
729                 SearchQunty();
730                 if (Qcl > 0)
731                 {
732                     BookQuntysql();
733                 }
734             }
735         }
736
737     }
738
739     void SearchQunty()
740     {
741         string BookID = textBoxID.Text;
742         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
743         DataTable dt = con.search(Sql);
744         string DatabaseAvailable = dt.Rows[0][0].ToString();
745         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
746         int NRAB = DatabaseAvailable2 - 1;
747         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
748         bool result = con.exuxquery(Sql2);
749         if (result)
750         {
751             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
752             textBoxID.Text = "";
753             textReaderid.Text = "";
754             countdisplay.Text = "";
755             panel1.Visible = false;
756             nextbtn.Visible = true;
757             IssueLoad();
758         }
759         else
760         {
761             MessageBox.Show("Not Update Reader Book Available Count");
762         }
763
764         private void SumbitBtn_Click(object sender, EventArgs e)
765         {
766             if (string.IsNullOrWhiteSpace(textBoxID.Text))
767             {
768                 MessageBox.Show("Please Enter Book Id");
769             }
770             else
771             {
772                 SearchQunty();
773                 if (Qcl > 0)
774                 {
775                     BookQuntysql();
776                 }
777             }
778         }
779
780     }
781
782     void BookQuntysql()
783     {
784
785         void IssueBOOK()
786     {
787         string UserId = Systemcs.loggedUSER_ID;
788         string sql = $"INSERT INTO Issu_book VALUES ('{PresentIssueID}', '{BookID}', '{UserId}', '{RederId}')";
789         bool result = con.exuxquery(sql);
790         if (result)
791         {
792             BookQuntyUpdate();
793         }
794         else
795         {
796             MessageBox.Show("Book Issue Faited");
797         }
798
799     }
800
801     void BookQuntyUpdate()
802     {
803         string BookID = textBoxID.Text;
804         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
805         DataTable dt = con.search(Sql);
806         string DatabaseAvailable = dt.Rows[0][0].ToString();
807         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
808         int NRAB = DatabaseAvailable2 - 1;
809         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
810         bool result = con.exuxquery(Sql2);
811         if (result)
812         {
813             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
814             textBoxID.Text = "";
815             textReaderid.Text = "";
816             countdisplay.Text = "";
817             panel1.Visible = false;
818             nextbtn.Visible = true;
819             IssueLoad();
820         }
821         else
822         {
823             MessageBox.Show("Not Update Reader Book Available Count");
824         }
825
826         private void SumbitBtn_Click(object sender, EventArgs e)
827         {
828             if (string.IsNullOrWhiteSpace(textBoxID.Text))
829             {
830                 MessageBox.Show("Please Enter Book Id");
831             }
832             else
833             {
834                 SearchQunty();
835                 if (Qcl > 0)
836                 {
837                     BookQuntysql();
838                 }
839             }
840         }
841
842     }
843
844     void IssueLoad()
845     {
846         string Sql = $"SELECT * FROM Book_Detail";
847         DataTable dt = con.search(Sql);
848         foreach (DataRow dr in dt.Rows)
849         {
850             BookList.Items.Add(dr["Book ID"].ToString() + " " + dr["Book Name"]);
851         }
852     }
853
854     void BookList_SelectedIndexChanged(object sender, EventArgs e)
855     {
856         string BookID = BookList.SelectedItem.ToString();
857         string[] BookIDArr = BookID.Split(' ');
858         BookID = BookIDArr[0];
859         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
860         DataTable dt = con.search(Sql);
861         string DatabaseAvailable = dt.Rows[0][0].ToString();
862         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
863         int NRAB = DatabaseAvailable2 - 1;
864         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
865         bool result = con.exuxquery(Sql2);
866         if (result)
867         {
868             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
869             textBoxID.Text = "";
870             textReaderid.Text = "";
871             countdisplay.Text = "";
872             panel1.Visible = false;
873             nextbtn.Visible = true;
874             IssueLoad();
875         }
876         else
877         {
878             MessageBox.Show("Not Update Reader Book Available Count");
879         }
880
881         private void SumbitBtn_Click(object sender, EventArgs e)
882         {
883             if (string.IsNullOrWhiteSpace(textBoxID.Text))
884             {
885                 MessageBox.Show("Please Enter Book Id");
886             }
887             else
888             {
889                 SearchQunty();
890                 if (Qcl > 0)
891                 {
892                     BookQuntysql();
893                 }
894             }
895         }
896
897     }
898
899     void SearchQunty()
900     {
901         string BookID = textBoxID.Text;
902         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
903         DataTable dt = con.search(Sql);
904         string DatabaseAvailable = dt.Rows[0][0].ToString();
905         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
906         int NRAB = DatabaseAvailable2 - 1;
907         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
908         bool result = con.exuxquery(Sql2);
909         if (result)
910         {
911             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
912             textBoxID.Text = "";
913             textReaderid.Text = "";
914             countdisplay.Text = "";
915             panel1.Visible = false;
916             nextbtn.Visible = true;
917             IssueLoad();
918         }
919         else
920         {
921             MessageBox.Show("Not Update Reader Book Available Count");
922         }
923
924         private void SumbitBtn_Click(object sender, EventArgs e)
925         {
926             if (string.IsNullOrWhiteSpace(textBoxID.Text))
927             {
928                 MessageBox.Show("Please Enter Book Id");
929             }
930             else
931             {
932                 SearchQunty();
933                 if (Qcl > 0)
934                 {
935                     BookQuntysql();
936                 }
937             }
938         }
939
940     }
941
942     void BookQuntysql()
943     {
944
945         void IssueBOOK()
946     {
947         string UserId = Systemcs.loggedUSER_ID;
948         string sql = $"INSERT INTO Issu_book VALUES ('{PresentIssueID}', '{BookID}', '{UserId}', '{RederId}')";
949         bool result = con.exuxquery(sql);
950         if (result)
951         {
952             BookQuntyUpdate();
953         }
954         else
955         {
956             MessageBox.Show("Book Issue Faited");
957         }
958
959     }
960
961     void BookQuntyUpdate()
962     {
963         string BookID = textBoxID.Text;
964         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='{RederId}'";
965         DataTable dt = con.search(Sql);
966         string DatabaseAvailable = dt.Rows[0][0].ToString();
967         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
968         int NRAB = DatabaseAvailable2 - 1;
969         string Sq12 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID='{RederId}'";
970         bool result = con.exuxquery(Sql2);
971         if (result)
972         {
973             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+nombokCount+" And "+RederId+" Count IS Update "+NRAB);
974             textBoxID.Text = "";
975             textReaderid.Text = "";
976             countdisplay.Text = "";
977             panel1.Visible = false;
978             nextbtn.Visible = true;
979             IssueLoad();
980         }
981         else
982         {
983             MessageBox.Show("Not Update Reader Book Available Count");
984         }
985
986         private void SumbitBtn_Click(object sender, EventArgs e)
987         {
988             if (string.IsNullOrWhiteSpace(textBoxID.Text))
989             {
990                 MessageBox.Show("Please Enter Book Id");
991             }
992             else
993             {
994                 SearchQunty();
995                 if (Qcl > 0)
996                 {
997                     BookQuntysql();
998                 }
999             }
999         }
999
999     }
999
999 
```



```
Public Library management System
Public_Library_management_System.IssueBookFrom
Today1

287
288
289
290  private void button3_Click(object sender, EventArgs e)
291  {
292      BookManagement bookManagement = new BookManagement();
293      bookManagement.Show();
294      this.Close();
295  }
296
297  private void AuthorManagementbtn_Click(object sender, EventArgs e)
298  {
299      AuthorManagement authorManagement = new AuthorManagement();
300      authorManagement.Show();
301      this.Close();
302  }
303
304  private void button4_Click(object sender, EventArgs e)
305  {
306      Reader_Management reader_Management = new Reader_Management();
307      reader_Management.Show();
308      this.Close();
309  }
310
311  private void button5_Click(object sender, EventArgs e)
312  {
313      ReturnBook returnBook = new ReturnBook();
314      returnBook.Show();
315      this.Close();
316  }
317
318  void Clear()
319  {
320      textBookID.Text = "";
321
322      textReaderid.Text = "";
323
324      countdisplaytext.Text = "";
325      textBox1.Text = curentdate.ToString("dd-MMM-yyyy");
326      Returndatetext.Text = currentReturnDate.ToString("dd-MMM-yyyy");
327
328      nextbtn.Visible = true;
329      panel1.Visible = false;
330
331  }
332
333  private void ClearBtn_Click(object sender, EventArgs e)
334  {
335      Clear();
336  }
337
```

Return Book

Public Library management System

```

50 }
51 }
52 }
53 2 references
54 void IssueLoad()
55 {
56     string sql = "SELECT R.Reader_ID ,R.[Reader Full Name],R.[Book Available Count],b.Book_ID,b.[Book Name],b.Book_Quantity,IT.IssueDate,IT.Due_Date,IT.ReturnDate ,Ur.FIRST_NAME,Ur.UserRole,
57     DataTable dt = con.search(sql);
58     dataGridView1.DataSource = dt;
59 }
60 1 reference
61 private void IssueBookFrom_Load(object sender, EventArgs e)
62 {
63     IssueLoad();
64     panel1.Visible = false;
65     countdisplaytext.Enabled = false;
66     textBox2.Text = currentdate.ToString("dd-MMM-yyyy");
67     textBox1.Text=currentdate.ToString("dd-MMM-yyyy");
68     textBox2.Enabled = false;
69     ReturndateText.Text = currentReturnDate.ToString("dd-MMM-yyyy");
70     ReturndateText.Enabled = false;
71     textBox1.Enabled = false;
72 }
73 1 reference
74 private void nextbtn_Click(object sender, EventArgs e)
75 {
76     if (String.IsNullOrWhiteSpace(textReaderid.Text))
77     {
78         MessageBox.Show("Please Enter User Id ");
79     }
80     else
81     {
82         ReaderId = textReaderid.Text;
83         string Sql = "SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID='"+ReaderId+"' ";
84         DataTable dt = con.search(Sql);
85
86         if (dt.Rows.Count > 0)
87         {
88             string RVbook = dt.Rows[0][0].ToString();
89             int readerAB = Convert.ToInt32(RVbook);
90             if (readerAB > 0)
91             {
92                 panel1.Visible=true;
93                 nextbtn.Visible=false;
94                 countdisplaytext.Text = RVbook;
95             }
96             else
97             {
98                 countdisplaytext.Text = "The Reader Not Return Book";
99             }
100         }
101     }
102 }
103

```

No issues found

Output

Show output from:



Public Library management System

```

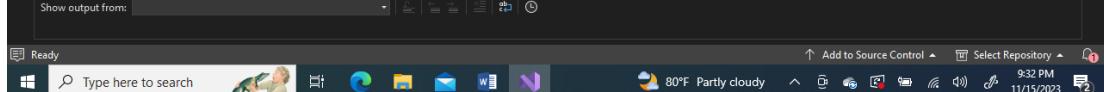
1 using System;
2 using System.Collections.Generic;
3 using System.ComponentModel;
4 using System.Data;
5 using System.Drawing;
6 using System.Linq;
7 using System.Text;
8 using System.Text.RegularExpressions;
9 using System.Threading.Tasks;
10 using System.Windows;
11 using System.Web;
12 using System.Windows.Forms;
13 [using static System.Windows.Forms.VisualStyles.VisualStyleElement;
14
15 namespace Public_Library_management_System
16 {
17     10 references
18     public partial class IssueBookFrom : Form
19     {
20         4 references
21         public IssueBookFrom()
22         {
23             InitializeComponent();
24         }
25         DBConnection1 con = new DBConnection1();
26         string ReaderId;
27         DateTime IssueDate = DateTime.Now;
28         DateTime currentReturnDate = DateTime.Now.AddDays(14);
29
30         /// <summary>
31         /// </summary>
32         /////
33         string BookID;
34         int Qcl;
35         1 reference
36         void SearchQuantity()
37         {
38             BookID = txtBookID.Text;
39             string sql = "SELECT Book_Quantity FROM Book_Detail Where Book_ID='"+BookID+"' ";
40             DataTable dt2 = con.search(sql);
41             if (dt2.Rows.Count > 0)
42             {
43                 string Quantity = dt2.Rows[0][0].ToString();
44                 Qcl = Convert.ToInt32(Quantity);
45             }
46             else
47             {
48                 MessageBox.Show("Book Id Is Wrong");
49             }
50         }
51
52         2 references
53         void IssueLoad()
54     }
55

```

No issues found

Output

Show output from:



```
111     }
112 
113 }
114 
115 private void BackBtn_Click(object sender, EventArgs e)
116 {
117     DashBord dashBord = new DashBord();
118     dashBord.Show();
119     this.Close();
120 }
121 
122 
123 int nowbookCount;
124 
125 void BookQuantitysql()
126 {
127     string sql = $"SELECT Book.Quantity FROM Book_Detail Where Book_ID={BookID}";
128     DataTable dt2 = con.search(sql);
129     string Quantity;
130     if (dt2.Rows.Count > 0)
131     {
132         Quantity = dt2.Rows[0][0].ToString();
133         int Qc = Convert.ToInt32(Quantity);
134         nowbookCount = Qc - 1;
135     }
136     else
137     {
138         MessageBox.Show("Book Id Is Wrong");
139     }
140 
141     INSERTISSUTABALE();
142 
143 }
144 
145 int PresentIssueID;
146 
147 
148 void IssueIDsql()
149 {
150     string sql = $"SELECT Top 1 Issue_ID, Due_Date FROM IssuTabale ORDER BY Issue_ID DESC";
151     DataTable dt2 = con.search(sql);
152     if (dt2.Rows.Count > 0)
153     {
154         string IssueIDString = dt2.Rows[0][0].ToString();
155         int Qc2 = Convert.ToInt32(IssueIDString);
156         PresentIssueID = Qc2 + 1;
157     }
158     else
159     {
160         PresentIssueID = 1234 + 1;
161     }
162 }
163 
164 }
```

The screenshot shows the Microsoft Visual Studio IDE interface. The title bar reads "Ready" and "Public Library management System". The top menu includes File, Edit, View, Git, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help, and a search bar. The status bar at the bottom right shows "9:33 PM" and "11/15/2023".

The code editor displays the file `IssueBookFrom.cs`. The code implements methods for calculating due dates and inserting data into a database table. It uses `DateTime` objects to handle dates and `SqlConnection` and `SqlCommand` objects to interact with the database.

```
public void getDate()
{
    string date2 = textBox1.Text;
    var date = Convert.ToDateTime(date2);

    int year = date.Year;
    int month = date.Month;
    int day = date.Day;

    var Today = new DateTime(year, month, day);
    DateTime DueDate = Today.AddDays(10);
    DueDate = DueDate.ToString();
    Today = Today.ToString();
    textBox1.Text = Today;
    RetrundateText.Text = DueDate;
}

void INSERTISSUTABALE()
{
    IssueIDSQL();
    dateEject();
    string sql3 = $"INSERT INTO IssuTabale VALUES ('{PresentIssueID}', '{ReaderId}', '{Today1}', '{DueDate1}', '', '')";
    bool result = con.exuxquery(sql3);
    if (result)
    {
        IssueBOOK();
    }
    else
    {
        MessageBox.Show("unsuccessfull");
    }
}

void BookQuntyUpdate()
{
    string sql = $"UPDATE Book_Detail SET Book_Qunty={nowbookCount} WHERE Book_ID={BookID}";
    bool result = con.exuxquery(sql);
    if (result)
    {
        REderABC();
    }
    else
    {
        MessageBox.Show("Issue sucessful " + BookID + "And " + BookID + "Quantity Is Update unsuccssful");
    }
}
```

The status bar at the bottom indicates "75%" completion, "No issues found", and "Ln: 345 Ch: 1 SPC CRLF". The bottom navigation bar includes "Output" and "Show output from:" dropdowns.

Public Library management System

```

222     void IssueBOOK()
223     {
224         string UserId = Systems.loggedUSER_ID;
225         string sql = $"INSERT INTO Issue_Book VALUES ('{PresentIssueID}', '{BookID}', '{UserId}', '{ReaderId}')";
226         bool result = con.exquxury(sql);
227         if (result)
228         {
229             BookQuantityUpdate();
230         }
231         else
232         {
233             MessageBox.Show("Book Issue Failed");
234         }
235     }
236
237
238     void REaderAB()
239     {
240         ReaderId = textReaderid.Text;
241         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID={ReaderId}";
242         DataTable dt = con.search(Sql);
243         string DatabaseAvailable = dt.Rows[0][0].ToString();
244         int DatabaseAvailable2 = Convert.ToInt32(DatabaseAvailable);
245         int NRAB = DatabaseAvailable2 - 1;
246         string Sql2 = $"UPDATE ReaderDetail SET [Book Available Count] = '{NRAB}' WHERE Reader_ID={ReaderId}";
247         bool result = con.exquxury(Sql2);
248         if (result)
249         {
250             MessageBox.Show("Successful Issue , The "+BookID+" Count Is Update "+newbookCount+" And "+ReaderId+" Count IS Update "++NRAB);
251             textBookID.Text = "";
252             textReaderid.Text = "";
253             countdisplayText.Text = "";
254             panel1.Visible = false;
255             nextbtn.Visible = true;
256             IssueLead();
257         }
258         else
259         {
260             MessageBox.Show("Not Update Reader Book Available Count");
261         }
262     }
263
264
265     private void SumitBtn_Click(object sender, EventArgs e)
266     {
267         if (string.IsNullOrWhiteSpace(textBookID.Text))
268         {
269             MessageBox.Show("Please Enter Book Id");
270         }
271         else
272         {
273             SerachQuantity();
274             if (Qc1 > 0)
275             {
276                 BookQuantitySQL();
277             }
278         }
279     }
280
281
282
283
284
285
286
287
288
289
290
291
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```

No issues found | Output | Show output from: | Add to Source Control | Select Repository | 9:33 PM 11/15/2023

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search | Public Library management System | LU | Live Share | Solution Explorer | Git Changes | Properties

AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManagement.cs [Design] AddAuthor.cs [Design] DashBord.cs

Public Library management System

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Ready

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search | Public Library management System | LU | Live Share | Solution Explorer | Git Changes | Properties

AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManagement.cs [Design] AddAuthor.cs [Design] DashBord.cs

Ready Type here to search

Add to Source Control Select Repository 9:34 PM 11/15/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Public Library management System LU Live Share

AddAuthor.cs ReturnBook.cs IssueBookFrom.cs PublisherManagement.cs PublisherManagement.cs [Design] AddAuthor.cs [Design] DashBord.cs

Dashboard.cs [Design]

Public Library management System Public_Library_management_System.ReturnBook AuthorManagmntbtn_Click(object sender, EventArgs e)

```
51     if (string.IsNullOrWhiteSpace(textReaderId.Text))
52     {
53         MessageBox.Show("Please Enter User Id ");
54     }
55     else
56     {
57         ReaderId = textReaderId.Text;
58         string Sql = $"SELECT [Book Available Count] FROM ReaderDetail WHERE Reader_ID={ReaderId}";
59         DataTable dt = con.search(Sql);
60
61
62         if (dt.Rows.Count > 0)
63         {
64
65             string availableBook = dt.Rows[0][0].ToString();
66
67             readerAB = Convert.ToInt32(availableBook);
68             if (readerAB<2 )
69             {
70
71                 panel1.Visible = true;
72                 nextbtn.Visible = false;
73                 countdisplaytext.Text = availableBook;
74             }
75             else
76             {
77                 countdisplaytext.Text = "Reader Haven't A book";
78             }
79
80         }
81
82     }
83
84
85     else
86     {
87         MessageBox.Show("Reader Id is Not Registered Our System");
88     }
89
90
91 }
92
93 string ISSUED;
94 double fines;
95 string Inputday;
96 int issued;
97 private void SubmitBtn_Click(object sender, EventArgs e)
98 {
99     if (string.IsNullOrWhiteSpace(textBookID.Text))
100     {
101         MessageBox.Show("Please Enter Book Id");
102     }
103     else
104     {
105         string BookID = textBookID.Text;
106         string sql = $"SELECT Issuid From Issu_book WHERE BookId={BookID} And Reader_Id={ReaderId} ORDER BY Issuid DESC ";
107
108         if (sql != null)
109         {
110             DataTable dt = con.search(sql);
111             if (dt.Rows.Count > 0)
112             {
113                 Issued = dt.Rows[0][0].ToString();
114                 Inputday = dt.Rows[0][1].ToString();
115                 fines = Convert.ToDouble(dt.Rows[0][2].ToString());
116                 issued = Convert.ToInt32(dt.Rows[0][3].ToString());
117             }
118         }
119     }
120
121     if (Issued != null)
122     {
123         string sql1 = $"UPDATE Issu_book SET BookId={BookID}, Reader_Id={ReaderId}, Issuid={Issued}, Inputdate={Inputday}, Fines={fines}, Issued={issued} WHERE BookId={BookID} AND Reader_Id={ReaderId}";
124         con.insert(sql1);
125
126         MessageBox.Show("Book Issued SuccessFully");
127     }
128
129 }
130
131
132
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177
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181
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183
184
185 }
```

75% 0 issues found | Ln: 335 Ch: 10 SPC CRLF

Output Show output from:

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Add to Source Control Select Repository 9:34 PM 11/15/2023

Public Library management System

```

184     string BookID = textBookID.Text;
185     string sql = $"SELECT IssuID From Issu_book WHERE BookID={BookID} And Reider_id={ReiderId} ORDER BY ISSuID DESC ";
186     DataTable dt = con.search(sql);
187     if (dt.Rows.Count > 0)
188     {
189         ISSuID = dt.Rows[0][0].ToString();
190         // MessageBox.Show("ISSu ID " + ISSuID); Working
191
192         string dueDateSql = $"SELECT Due_Date From IssuTable WHERE Issue_ID={ISSuID}";
193         DataTable dt2 = con.search(dueDateSql);
194         if (dt2.Rows.Count > 0)
195         {
196             string DueDate = dt2.Rows[0][0].ToString();
197             // MessageBox.Show("Due Date " + DueDate); Working
198             var date = Convert.ToDateTime(DueDate);
199
200             int year = date.Year;
201             int month = date.Month;
202             int day = date.Day;
203
204             var dueDate = new DateTime(year, month, day);
205             dueDateText.Text = year + "/" + month + "/" + day.ToString(); // Working
206             var today = Date.Now;
207             textday.Text = today.ToString();
208             Inputday = today.ToString();
209
210             //get difference of two dates
211             var diffOfDates = today - dueDate;
212
213
214             if (diffOfDates.Days > 0)
215             {
216                 if (diffOfDates.Days > 31)
217                 {
218                     if (diffOfDates.Days > 91)
219                     {
220                         if (diffOfDates.Days > 181)
221                         {
222                             // Console.WriteLine("up days 180");
223
224                             int MineDate = Math.Abs(diffOfDates.Days) - 180;
225                             int Days01_30 = 30;
226                             int Days01_90 = 90;
227                             int Days60_90 = 60 * 40;
228                             int Days180Up = MineDate * 100;
229                             int Total = Days01_30 + Days01_180 + Days60_90 + Days180Up;
230                             textfines.Text = "Rs " + Total + "00";
231                             textTotalDays.Text = diffOfDates.Days.ToString();
232                             MessageBox.Show("Total late Days is = " + diffOfDates.Days.ToString() + "Fines = " + Total);
233                             // Console.WriteLine("RS " + Total);
234                         }
235                     }
236                 }
237             }
238
239             else
240             {
241                 //Console.WriteLine("31 to 90 " + diffOfDates.Days);
242                 int MineDate = Math.Abs(diffOfDates.Days) - 30;
243                 int Days31to90 = MineDate * 40;
244
245                 int Total = Days31to90 + 30;
246                 //Console.WriteLine("RS " + X);
247                 textfines.Text = "Rs " + Total + "00";
248                 textTotalDays.Text = diffOfDates.Days.ToString();
249                 MessageBox.Show("Total late Days is = " + diffOfDates.Days.ToString() + "Fines = Rs " + Total);
250             }
251
252             else
253             {
254                 // Console.WriteLine("0 to 31 Days Calculation " + diffOfDates.Days);
255
256                 int AB = Math.Abs(diffOfDates.Days);
257                 int panelty = Math.Abs(diffOfDates.Days) * 1;
258
259                 //Console.WriteLine("Your panalty is : Rs." + panelty);
260
261                 textfines.Text = "Rs " + panelty + "00";
262                 textTotalDays.Text = diffOfDates.Days.ToString();
263                 MessageBox.Show("Total late Days is = " + diffOfDates.Days.ToString() + "Fines = Rs " + panelty);
264             }
265
266         }
267
268         bookcountupdate();
269
270     }
271
272     bookcountupdate();
273
274
275
276
277
278
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```

No issues found

Output

Show output from:

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search Solution Explorer Live Share

AuthorManagmntbtn_Click(object sender, EventArgs e)

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Public Library management System

```

215
216
217     bookcountupdate();
218
219
220
221
222
223
224
225
226
227
228     }
229     else
230     {
231         MessageBox.Show("Some think Is Wrong");
232     }
233
234     }
235     else
236     {
237         MessageBox.Show("book Id Or Reader Id Is Wrong ");
238     }
239
240
241
242
243
244
245     void Clear()
246     {
247         textBookID.Text = "";
248         textFines.Text = "";
249         textTotalDays.Text = "";
250         textReaderID.Text = "";
251         dueDateText.Text = "";
252         countDisplayText.Text = "";
253         nextBtn.Visible = true;
254         panel1.Visible = false;
255         BookIssue();
256
257
258     }
259     void ReturnDateUpdate()
260     {
261         string sql = $@"Update IssueTable Set ReturnDate = '{InputDate}', Fines = ('Rs" + fines ) 'Where Issue_ID={ISSUEID}'";
262         bool result = con.exuxquery(sql);
263         if (result)
264         {
265             MessageBox.Show("Successful Retrun Book");
266         }
267         else
268         {
269             MessageBox.Show("Unsuccessful");
270         }
271     }
272     void UpdateReaderBook()
273     {
274         string BookID = textBookID.Text;
275         int nowAvailablebook = readerAB + 1;
276         string NABR = nowAvailablebook.ToString();
277         string Sql2 = $@"UPDATE ReaderDetail SET [Book Available Count] = '{NABR}' WHERE Reader_ID={ReaderId}'";
278         bool result = con.exuxquery(Sql2);
279         if (result)
280         {
281             MessageBox.Show("Reader Available Count Is Update = " + nowAvailablebook + "And Book Quantity Also Update " + BookID + " = " + nowAvailablebook);
282             Clear();
283         }
284         else
285         {
286             MessageBox.Show("Reader Available Count Is Not Update = " + readerAB);
287         }
288     }
289     int nowbookCount;
290
291     void SearchbookCount()
292     {
293         //NO ISSUE
294         string BookID = textBookID.Text;
295         string sql = $"SELECT Book_Quantity FROM Book_Detail Where Book_ID='{BookID}'";
296         DataTable dt2 = con.search(sql);
297         string Quantity = dt2.Rows[0][0].ToString();
298         int bookCount = Convert.ToInt32(Quantity);
299         nowbookCount = bookCount + 1;
300
301     }
302     void bookcountupdate()
303     {
304         SearchbookCount();
305         string BookID = textBookID.Text;
306         string sql = $"UPDATE Book_Detail SET Book_Quantity='{nowbookCount}' WHERE Book_ID='{BookID}' ";
307         bool result = con.exuxquery(sql);
308         if (result)
309         {
310             UpdateReaderBook();
311         }
312         else
313         {
314             MessageBox.Show("Issue sucessful " + BookID + "And " + BookID + "Quantity Is Update unsuccesful");
315         }
316     }
317
318
319
320     private void button4_Click(object sender, EventArgs e)
321     {
322         Reader_Management reader_Management = new Reader_Management();
323         reader_Management.Show();
324     }

```

No issues found

Output

Show output from:

Ready

Type here to search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Public Library management System

AuthorManagmntbtn_Click(object sender, EventArgs e)

Live Share

Solution Explorer Git Changes Properties

80°F Party cloudy 9:34 PM 11/15/2023

Public Library management System

```

270
271
272     void UpdateReaderBook()
273     {
274         string BookID = textBookID.Text;
275         int nowAvailablebook = readerAB + 1;
276         string NABR = nowAvailablebook.ToString();
277         string Sql2 = $@"UPDATE ReaderDetail SET [Book Available Count] = '{NABR}' WHERE Reader_ID={ReaderId}'";
278         bool result = con.exuxquery(Sql2);
279         if (result)
280         {
281             MessageBox.Show("Reader Available Count Is Update = " + nowAvailablebook + "And Book Quantity Also Update " + BookID + " = " + nowAvailablebook);
282             Clear();
283         }
284         else
285         {
286             MessageBox.Show("Reader Available Count Is Not Update = " + readerAB);
287         }
288     }
289     int nowbookCount;
290
291     void SearchbookCount()
292     {
293         //NO ISSUE
294         string BookID = textBookID.Text;
295         string sql = $"SELECT Book_Quantity FROM Book_Detail Where Book_ID='{BookID}'";
296         DataTable dt2 = con.search(sql);
297         string Quantity = dt2.Rows[0][0].ToString();
298         int bookCount = Convert.ToInt32(Quantity);
299         nowbookCount = bookCount + 1;
300
301     }
302     void bookcountupdate()
303     {
304         SearchbookCount();
305         string BookID = textBookID.Text;
306         string sql = $"UPDATE Book_Detail SET Book_Quantity='{nowbookCount}' WHERE Book_ID='{BookID}' ";
307         bool result = con.exuxquery(sql);
308         if (result)
309         {
310             UpdateReaderBook();
311         }
312         else
313         {
314             MessageBox.Show("Issue sucessful " + BookID + "And " + BookID + "Quantity Is Update unsuccesful");
315         }
316     }
317
318
319
320     private void button4_Click(object sender, EventArgs e)
321     {
322         Reader_Management reader_Management = new Reader_Management();
323         reader_Management.Show();
324     }

```

No issues found

Output

Show output from:

Ready

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Public Library management System

AuthorManagmntbtn_Click(object sender, EventArgs e)

Live Share

Solution Explorer Git Changes Properties

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```

1 reference
319     private void button4_Click(object sender, EventArgs e)
320     {
321         Reader_Management reader_Management = new Reader_Management();
322         reader_Management.Show();
323         this.Close();
324     }
325
326     1 reference
327     private void button3_Click(object sender, EventArgs e)
328     {
329         BookManagement bookManagement = new BookManagement();
330         bookManagement.Show();
331         this.Close();
332     }
333
334     1 reference
335     private void AuthorManagementbtn_Click(object sender, EventArgs e)
336     {
337         AuthorManagement authorManagement = new AuthorManagement();
338         authorManagement.Show();
339         this.Close();
340     }
341
342     1 reference
343     private void Backbtn_Click(object sender, EventArgs e)
344     {
345         DashBord dashBord = new DashBord();
346         dashBord.Show();this.Close();
347     }
348
349     1 reference
350     private void ClearBtn_Click(object sender, EventArgs e)
351     {
352         Clear();
353         BookIssu();
354     }
355
356     1 reference
357     private void textReaderid_TextChanged(object sender, EventArgs e)
358     {
359     }
360
361     1 reference
362     private void textfines_TextChanged(object sender, EventArgs e)
363     {
364     }

```

No issues found

Output

Show output from:

Ready

Type here to search

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Itemized List of Deliverables of the System

For librarian

- Add new books
- Add new reader
- Delete reader
- Add Author details
- Edit Author Detail
- Delete Author Detail
- View Author Detail
- View Issue Book
- View Reader Detail
- Search Redder detail

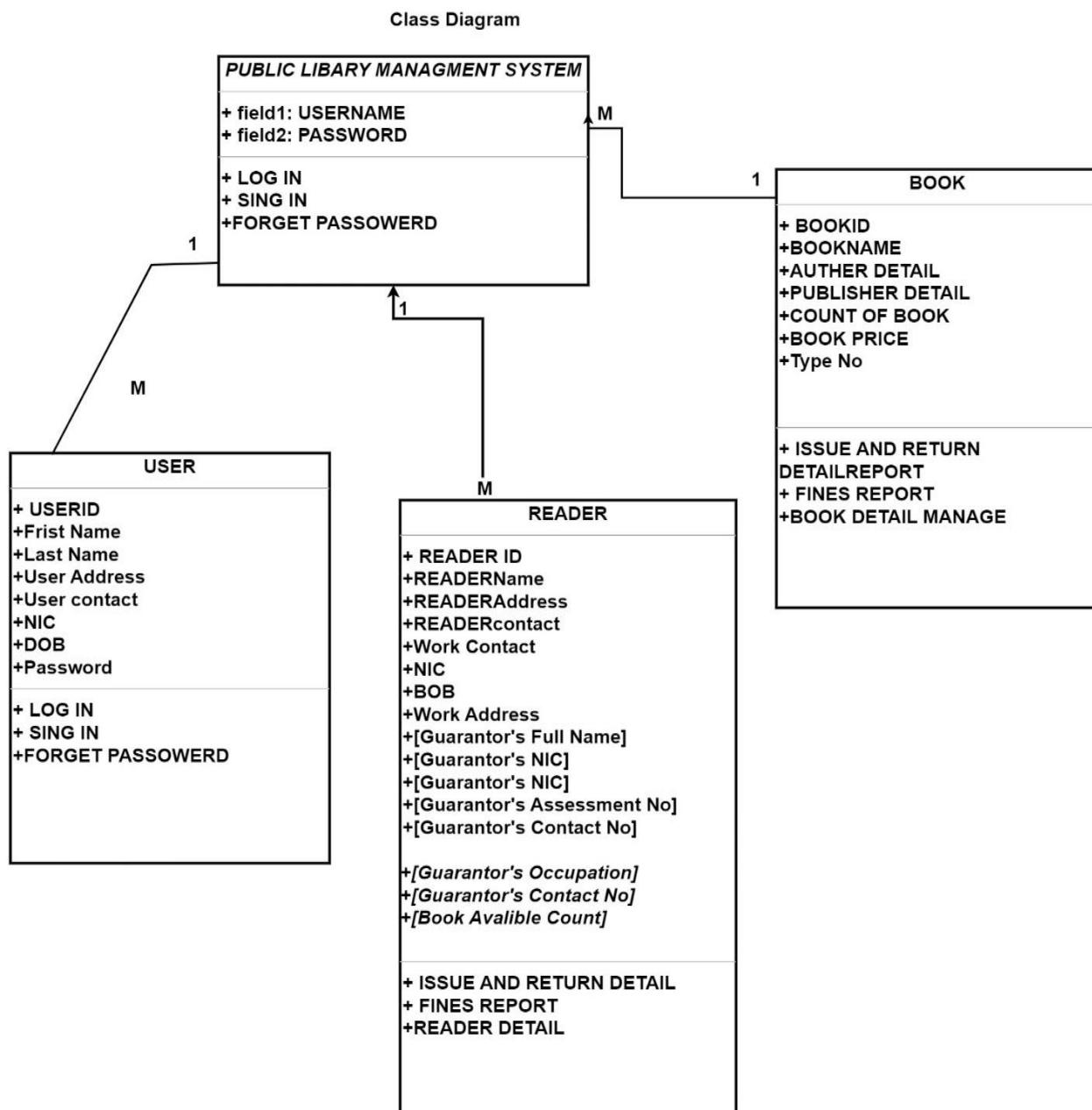
- Search book details
- Add Publisher
- Edit Publisher Detail
- Delete Publishers
- View Publisher
- Search Publisher
- Edit book details
- Edit reader details
- Edit profile
- Remove book
- Prepare issue & return dates
- Search book details
- (fines from Redder Id)

For Admin

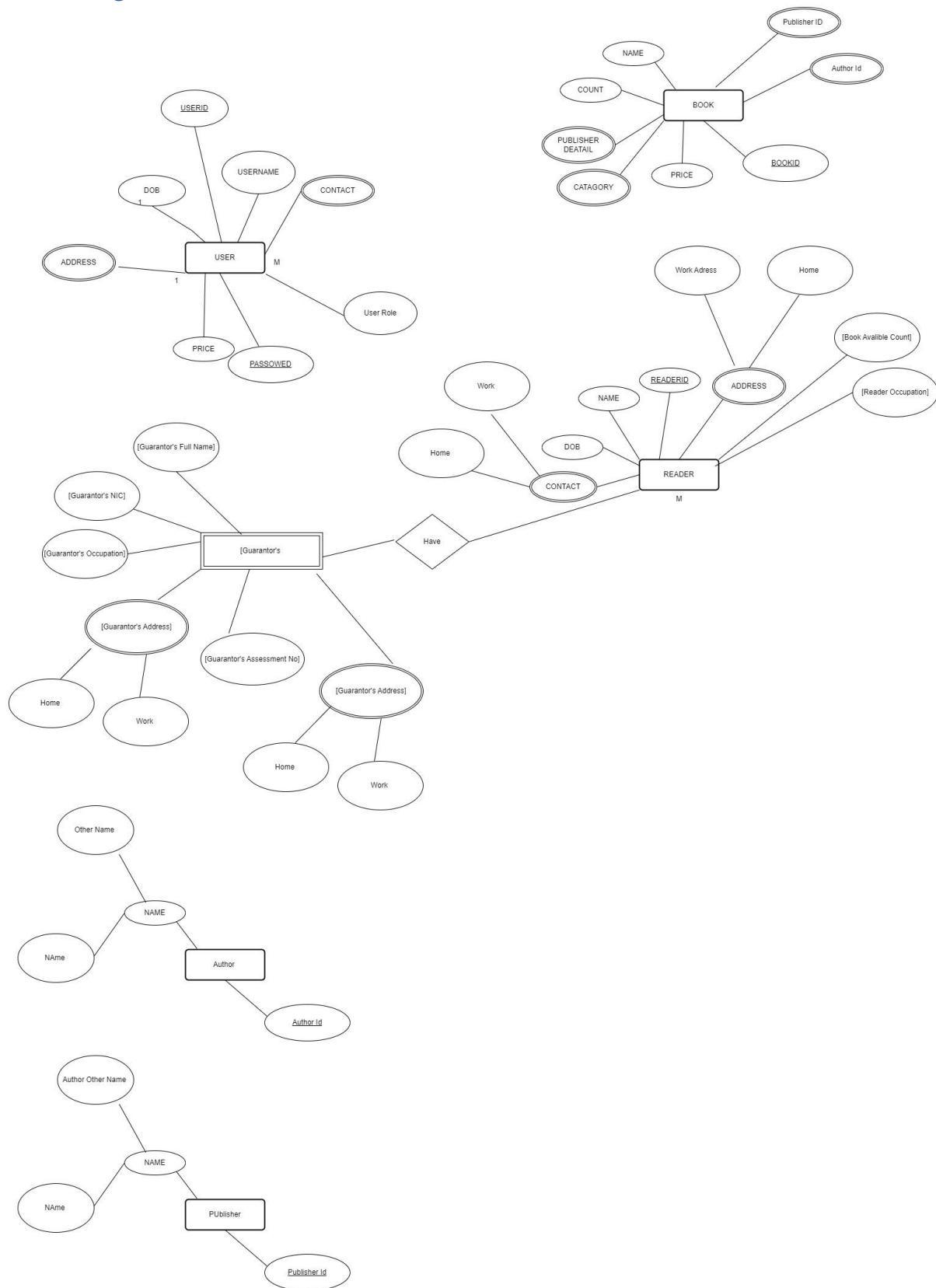
- Add new books
- Add new reader
- Delete reader
- Add user
- Edit User Details
- Search User Detail.
- Add Author details.
- Edit Author Detail
- Delete Author Detail
- View Author Detail
- View Issue Book
- View Reader Detail
- Search Redder detail
- Search book details
- Add Publisher
- Edit Publisher Detail
- Delete Publishers
- View Publisher

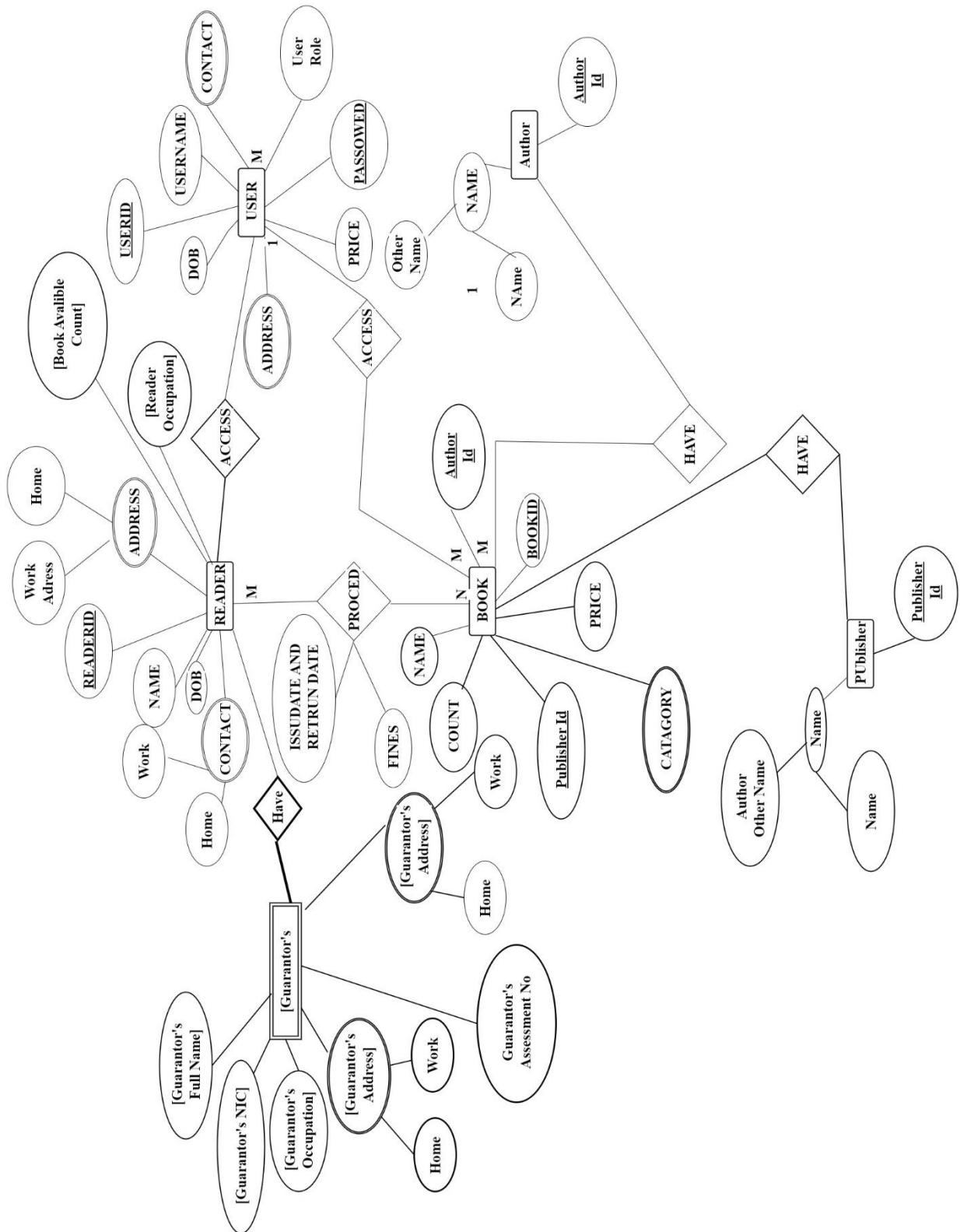
- Search Publisher
- Edit book details
- Edit reader details
- Edit profile
- Remove book
- Prepare issue & return dates
- Search book details
- (fines from Redder Id)

Class Diagram

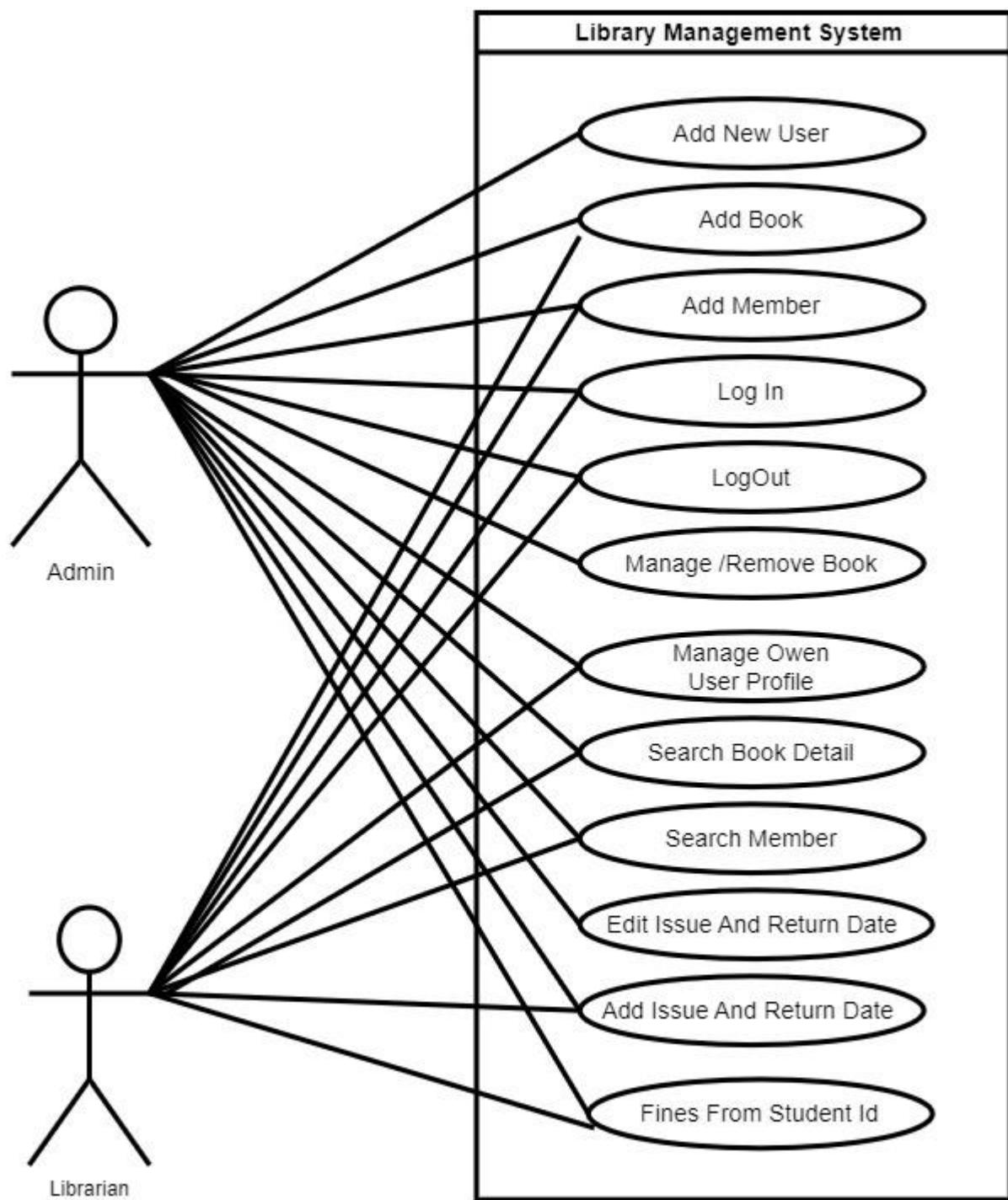


ER Diagram





Use Case Diagram



Resource Requirements for Project

System Developers

- Hardware Requirements
 - ◆ Laptop or Desktop computer Software
- Software Requirements
 - ◆ Licensed Windows
 - ◆ Visual Studio (**Language: - C#**)
 - ◆ MS SQL Server Management Studio
 - ◆ Adobe Photoshop
 - ◆ Draw.io



System Users

- Hardware Requirements
 - ◆ Laptop or Desktop computer
- Software Requirements
 - ◆ Licensed Windows
 - ◆ Windows Form Applica

Gantt chart