

Additional Activity

REG NO	:	19BCS0012
NAME	:	NITHISH G
COURSE CODE	:	CSC3004
COURSE	:	VISUAL PROGRAMMING
DATE	:	09.05.2021

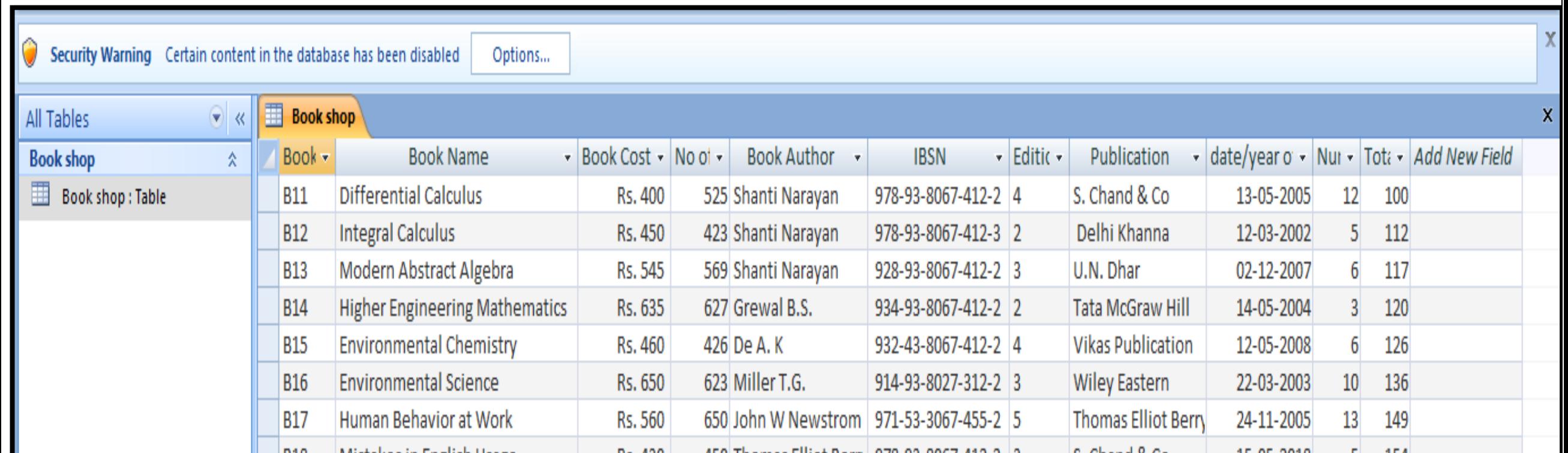
Create a Visual Basic application for Simple Book Shop Management System using Ms Access Database. Write a Visual Basic program to accept the following details of Book Store .Those details into the access database and delete the particular record of given book id.

Note : Your table must contain at least 10 details.

Table Fileds:

- i) Book ID
- ii) Book Name
- iii) Book Cost
- iv) Book Author
- v) Edition
- vi) Publication
- vii) Number of Books
- viii) Total Number Books

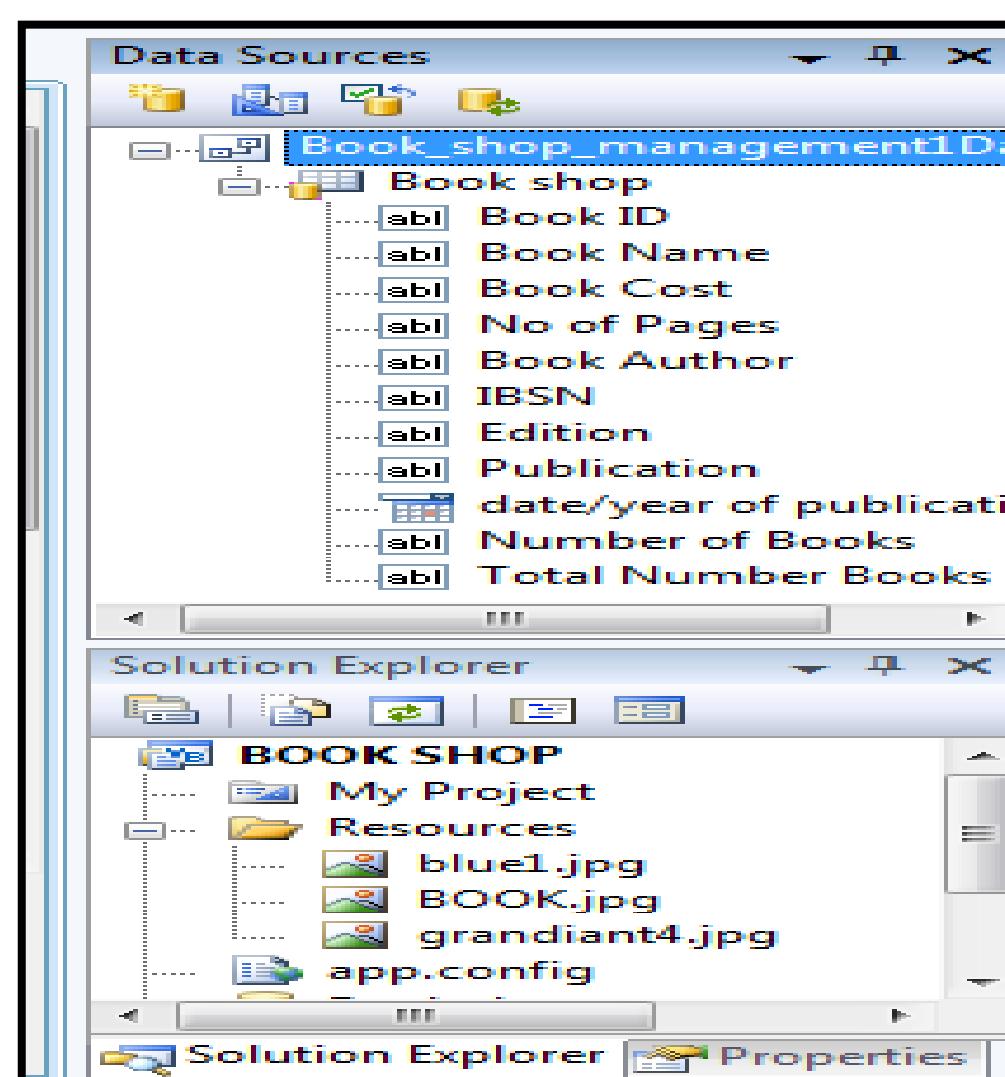
Ms Access Data Base



The screenshot shows the Microsoft Access interface with the 'Book shop' table selected. The table has 10 records, each with a unique Book ID (B11 to B19), Book Name, Book Cost, No of Pages, Book Author, ISBN, Edition, Publication, date/year of publication, Number of Books, and Total Number Books. A security warning is visible at the top left.

Book	Book Name	Book Cost	No of Pages	Book Author	ISBN	Edition	Publication	date/year of publication	Number of Books	Total Number Books	Add New Field
B11	Differential Calculus	Rs. 400	525	Shanti Narayan	978-93-8067-412-2	4	S. Chand & Co	13-05-2005	12	100	
B12	Integral Calculus	Rs. 450	423	Shanti Narayan	978-93-8067-412-3	2	Delhi Khanna	12-03-2002	5	112	
B13	Modern Abstract Algebra	Rs. 545	569	Shanti Narayan	928-93-8067-412-2	3	U.N. Dhar	02-12-2007	6	117	
B14	Higher Engineering Mathematics	Rs. 635	627	Grewal B.S.	934-93-8067-412-2	2	Tata McGraw Hill	14-05-2004	3	120	
B15	Environmental Chemistry	Rs. 460	426	De A. K	932-43-8067-412-2	4	Vikas Publication	12-05-2008	6	126	
B16	Environmental Science	Rs. 650	623	Miller T.G.	914-93-8027-312-2	3	Wiley Eastern	22-03-2003	10	136	
B17	Human Behavior at Work	Rs. 560	650	John W Newstrom	971-53-3067-455-2	5	Thomas Elliot Berry	24-11-2005	13	149	
B18	Mistakes in English Usage	Rs. 420	450	Thomas Elliot Berry	070-02-8067-412-2	2	S. Chand & Co	15-05-2010	5	154	

Data Source



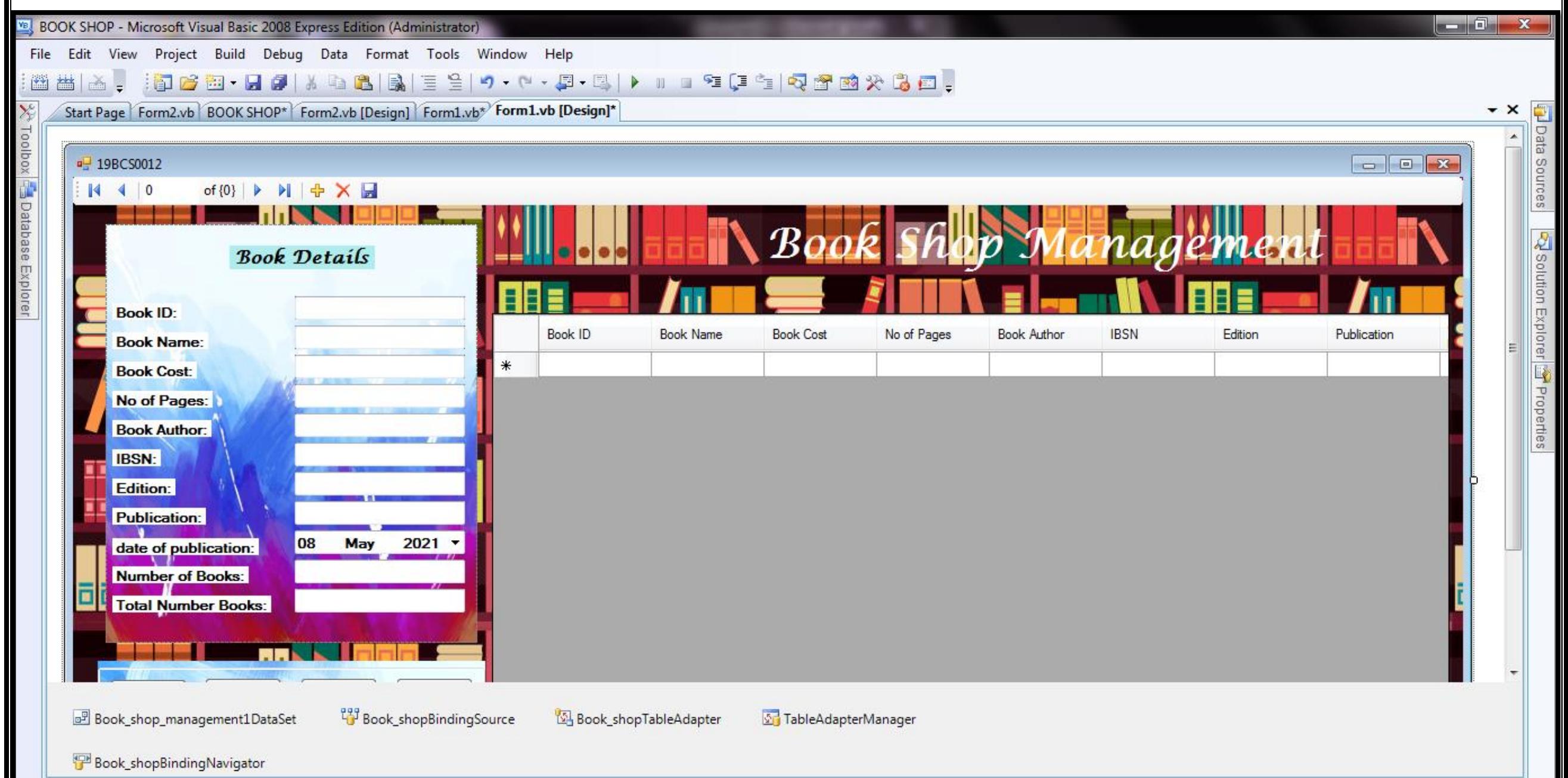
The screenshot shows the Microsoft Visual Studio interface. The 'Data Sources' window displays a connection named 'Book_shop_management1' with a 'Book shop' dataset containing fields like Book ID, Book Name, Book Cost, etc. The 'Solution Explorer' window shows a project named 'BOOK SHOP' with files like 'My Project', 'Resources' (containing images), and 'app.config'.

Form Design:

Login Form



MAIN FORM



Login Form Event Procedure

```

Public Class LOGIN

    Dim username As String = "NITHISH G"
    Dim password As String = "vb book shop"

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        If TextBox1.Text = username And TextBox2.Text = password Then
            MsgBox("Welcome to Book Shop Management ", MsgBoxStyle.Information, " Book shop")
            Me.Close()
            Form1.Visible = True
        Else
            MsgBox("Please enter the Right Password", MsgBoxStyle.Critical, "Book Shop")
        End If
    End Sub

End Class

```

Book shop Form Event Procedure

```
Imports System.Data.OleDb

Public Class Form1

    Dim N As Integer = 20
    Dim value As Boolean = False

    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        'TODO: This line of code loads data into the 'Book_shop_management1DataSet.Book_shop' table. You can move, or remove it, as needed.
        Me.Book_shopTableAdapter.Fill(Me.Book_shop_management1DataSet.Book_shop)
    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        Book_shopBindingSource.MoveFirst()
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
        Book_shopBindingSource.AddNew()
    End Sub

    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
        Book_shopBindingSource.RemoveCurrent()
        MsgBox(" Book ID which You Choosed Deleted Successfully ", MsgBoxStyle.Information, "Book Shop Management")
    End Sub

    Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click
        Book_shopBindingSource.MoveLast()
    End Sub

    Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click
        Book_shopBindingSource.MovePrevious()
    End Sub

    Private Sub Button6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button6.Click
        Book_shopBindingSource.MoveNext()
    End Sub

    Private Sub Button7_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button7.Click
        Book_shopBindingSource.EndEdit()
        MsgBox(" Your Data Has Been Successfully Saved ", MsgBoxStyle.Information, "Book Shop Management")
    End Sub

    Private Sub Button8_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button8.Click
        MsgBox(" Book Shop Management Application Exiting.... ", MsgBoxStyle.Information, "Book Shop Management")
        Me.Close()
    End Sub

    Private Sub record()
        Dim SB As New System.Text.StringBuilder

        Dim Counter As Integer = 0
        Dim found As Integer = 0

        Book_shopBindingSource.MoveFirst()

        For Counter = 0 To 20
            If TextBox1.Text.Equals(Book_IDTextBox.Text) Then

                If value = False Then
                    SB.Append(" **** FOUND RECORD ****" & vbCrLf & vbCrLf)
                Else
                    SB.Append(" **** DELETED RECORD ****" & vbCrLf & vbCrLf)
                End If

                SB.Append(" BOOK ID : " & Book_IDTextBox.Text & vbCrLf)
                SB.Append(" Book Name : " & Book_NameTextBox.Text & vbCrLf)
                SB.Append(" Book Cost : " & Book_CostTextBox.Text & vbCrLf)
                SB.Append(" No of Pages : " & No_of_PagesTextBox.Text & vbCrLf)
                SB.Append(" Book Author : " & Book_AuthorTextBox.Text & vbCrLf)
                SB.Append(" ISBN : " & IBSNTextBox.Text & vbCrLf)
                SB.Append(" Edition : " & EditionTextBox.Text & vbCrLf)
                SB.Append(" Publication : " & PublicationTextBox.Text & vbCrLf)
                SB.Append(" year of publication : " & Date_year_of_publicationDateTimePicker.Text & vbCrLf)
                SB.Append(" Number of Books : " & Number_of_BooksTextBox.Text & vbCrLf)
                SB.Append(" Total Number Books : " & Total_Number_BooksTextBox.Text & vbCrLf)
            End If
        Next
    End Sub
```

```

        MessageBox.Show(SB.ToString, " Book Shop Management Application ", MessageBoxButtons.OK,
MessageBoxIcon.Information)

        found = 1
        Exit For

    End If
    Book_shopBindingSource.MoveNext()
Next
If found = 0 Then
    MsgBox(" Record Not Found With Given Book ID....", MsgBoxStyle.Critical, "Finding Record On Book Shop
Application")
End If

If value = True And found = 1 Then
    Book_shopBindingSource.RemoveCurrent()
End If

End Sub

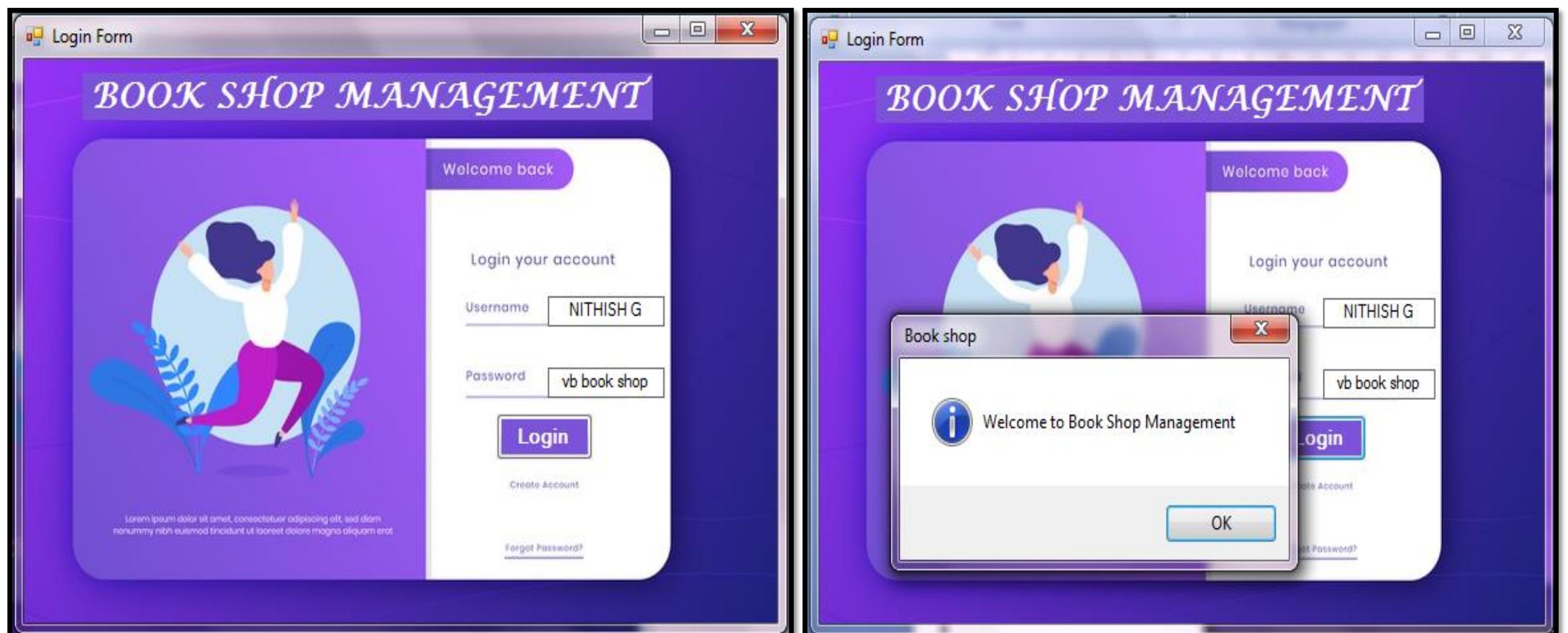
Private Sub Button10_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button10.Click
    value = True
    record()
End Sub

Private Sub Button9_Click_1(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button9.Click
    value = False
    record()
End Sub
End Class

```

Output Form

Login Form:



First Button

Book ID	Book Name	Book Cost	No of Pages	Book Author	ISBN	Edition	Publication	date/year of publication	Number of Books	Total Number Books
B11	Differential Calculus	400	525	Shanti Narayan	978-93-8067-412-2	4	S. Chand & Co	13-05-2005	12	100
B12	Integral Calculus	450	423	Shanti Narayan	978-93-8067-412-3	2	Delhi Khanna	12-03-2002	5	112
B13	Modem Abstract Algebra	545	569	Shanti Narayan	928-93-8067-412-2	3	U.N. Dhar	02-12-2007	6	117
B14	Higher Engineering Mathe...	635	627	Grewal B.S.	934-93-8067-412-2	2	Tata McGraw Hill	14-05-2004	3	120
B15	Environmental Chemistry	460	426	De A. K	932-43-8067-412-2	4	Vikas Publication	12-05-2008	6	126
B16	Environmental Science	650	623	Miller T.G.	914-93-8027-312-2	3	Wiley Eastern	22-03-2003	10	136
B17	Human Behavior at Work	560	650	John W Newstrom	971-53-3067-455-2	5	Thomas Elliot Berry	24-11-2005	13	149
B18	Mistakes in English Usage	430	450	Thomas Elliot Berry	978-93-8067-412-2	3	S. Chand & Co	15-05-2018	5	154
B19	Business Communication	600	546	R.K. Madhukar	938-53-6067-412-2	5	U.N. Dhar	23-10-2006	6	160
B20	Client Server Computing	550	435	Lalit Kumar	948-23-8067-432-2	2	Sun India	30-04-2004	7	167
B21	Data Structure Using C	350	634	Sharad Kumar Ve...	978-93-5163-389-1	3	Thakur	02-09-2006	8	175

Add Book Details → Book ID : B22

Book Details

Book ID:	<input type="text"/>
Book Name:	<input type="text"/>
Book Cost:	<input type="text"/>
No of Pages:	<input type="text"/>
Book Author:	<input type="text"/>
ISBN:	<input type="text"/>
Edition:	<input type="text"/>
Publication:	<input type="text"/>
date of publication:	11 May 2000
Number of Books:	<input type="text"/>
Total Number Books:	<input type="text"/>

Book Shop Management

Book ID	Book Name	Book Cost	No of Pages	Book Author	ISBN	Edition	Publication	date/year of publication	Number of Books	Total Number Books
B11	Differential Calculus	400	525	Shanti Narayan	978-93-8067-412-2	4	S. Chand & Co	13-05-2005	12	100
B12	Integral Calculus	450	423	Shanti Narayan	978-93-8067-412-3	2	Delhi Khanna	12-03-2002	5	112
B13	Modem Abstract Alg...	545	569	Shanti Narayan	928-93-8067-412-2	3	U.N. Dhar	02-12-2007	6	117
B14	Higher Engineering M...	635	627	Grewal B.S.	934-93-8067-412-2	2	Tata McGraw Hill	14-05-2004	3	120
B15	Environmental Chemis...	460	426	De A. K	932-43-8067-412-2	4	Vikas Publication	12-05-2008	6	126
B16	Environmental Science	650	623	Miller T.G.	914-93-8027-312-2	3	Wiley Eastern	22-03-2003	10	136
B17	Human Behavior at W...	560	650	John W Newstrom	971-53-3067-455-2	5	Thomas Elliot Berry	24-11-2005	13	149
B18	Mistakes in English U...	430	450	Thomas Elliot Berry	978-93-8067-412-2	3	S. Chand & Co	15-05-2018	5	154
B19	Business Communicati...	600	546	R.K. Madhukar	938-53-6067-412-2	5	U.N. Dhar	23-10-2006	6	160
B20	Client Server Computing	550	435	Lalit Kumar	948-23-8067-432-2	2	Sun India	30-04-2004	7	167
B21	Data Structure Using C	350	634	Sharad Kumar Ve...	978-93-5163-389-1	3	Thakur	02-09-2006	8	175
B22	Visual Basic 6	699	943	Steven Holzner	935-98-2348-233-3	4	Wiley	11-05-2000	12	187

Book ID **Find** **Delete**

Deleting a Record By Book ID → B15

Book Details

Book ID:	<input type="text"/> B15
Book Name:	<input type="text"/> Environmental Chemis...
Book Cost:	<input type="text"/> 460
No of Pages:	<input type="text"/> 426
Book Author:	<input type="text"/> De A. K
ISBN:	<input type="text"/> 932-43-8067-412-2
Edition:	<input type="text"/> 4
Publication:	<input type="text"/> Vikas Publication
date of publication:	12 May 2008
Number of Books:	<input type="text"/> 6
Total Number Books:	<input type="text"/> 126

Book Shop Management Application

**** DELETED RECORD ****

BOOK ID	:	B15
Book Name	:	Environmental Chemistry
Book Cost	:	460
No of Pages	:	426
Book Author	:	De A. K
ISBN	:	932-43-8067-412-2
Edition	:	4
Publication	:	Vikas Publication
year of publication	:	12 May 2008
Number of Books	:	6
Total Number Books	:	126

Book ID B15 **Find** **Delete**

FIND DATA

Book Details

Book ID:	<input type="text"/> B12
Book Name:	<input type="text"/> Integral Calculus
Book Cost:	<input type="text"/> 450
No of Pages:	<input type="text"/> 423
Book Author:	<input type="text"/> Shanti Narayan
ISBN:	<input type="text"/> 978-93-8067-412-3
Edition:	<input type="text"/> 2
Publication:	<input type="text"/> Delhi Khanna
date of publication:	12 March 2002
Number of Books:	<input type="text"/> 5
Total Number Books:	<input type="text"/> 112

Book Shop Management Application

**** FOUND RECORD ****

BOOK ID	:	B12
Book Name	:	Integral Calculus
Book Cost	:	450
No of Pages	:	423
Book Author	:	Shanti Narayan
ISBN	:	978-93-8067-412-3
Edition	:	2
Publication	:	Delhi Khanna
year of publication	:	12 March 2002
Number of Books	:	5
Total Number Books	:	112

Book ID B12 **Find** **Delete**

Data Save

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Book Details

Book ID:	B12
Book Name:	Integral Calculus
Book Cost:	450
No of Pages:	423
Book Author:	Shanti Narayan
ISBN:	978-93-8067-412-3
Edition:	2
Publication:	Delhi Khanna
date of publication:	12 March 2002
Number of Books:	5
Total Number Books:	112

FIRST ADD DELETE LAST
Previous NEXT SAVE EXIT

Book Shop Management

Book ID	Book Name	Book Cost	No of Pages	Book Author	ISBN	Edition	Publication	date/year of publication	Number of Books	Total Number Books
B11	Differential Calculus	400	525	Shanti Narayan	978-93-8067-412-2	4	S. Chand & Co	13-05-2005	12	100
B12	Integral Calculus	450	423	Shanti Narayan	978-93-8067-412-3	2	Delhi Khanna	12-03-2002	5	112
B13	Modem Abstract Algebra	545	569	Shanti Narayan	928-93-8067-412-2	3	U.N. Dhar	02-12-2007	6	117
B14	Higher Engineering Math...	63	600	Shanti Narayan	978-93-8067-412-2	2	Tata McGraw Hill	14-05-2004	3	120
B16	Environmental Science	66	600				Wiley Eastern	22-03-2003	10	136
B17	Human Behavior at Work	55	500				Thomas Elliot Berry	24-11-2005	13	149
B18	Mistakes in English Usage	44	400				S. Chand & Co	15-05-2018	5	154
B19	Business Communication	60	600				U.N. Dhar	23-10-2006	6	160
B20	Client Server Computing	55	500				Sun India	30-04-2004	7	167
B21	Data Structure Using C	33	300				Thakur	02-09-2006	8	175
B22	Visual Basic 6	599	973	Steven Holzner	973-49-2374-897-3	1	Wiley	09-02-2000	12	187

Your Data Has Been Successfully Saved

OK

Book ID B12
Find Delete

The screenshot shows the 'Book Shop Management' application interface. On the left, a 'Book Details' form is displayed with fields for Book ID (B12), Book Name (Integral Calculus), Book Cost (450), No of Pages (423), Book Author (Shanti Narayan), ISBN (978-93-8067-412-3), Edition (2), Publication (Delhi Khanna), date of publication (12 March 2002), Number of Books (5), and Total Number Books (112). Below the form are navigation buttons: FIRST, ADD, DELETE, LAST, Previous, NEXT, SAVE, and EXIT. In the center, a message box says 'Your Data Has Been Successfully Saved' with an OK button. On the right, a book search dialog shows 'Book ID' B12 with Find and Delete buttons. The background features a bookshelf illustration.

Searching Unavailable Record

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Book Details

Book ID:	B22
Book Name:	Visual Basic 6
Book Cost:	599
No of Pages:	973
Book Author:	Steven Holzner
ISBN:	973-49-2374-897-3
Edition:	1
Publication:	Wiley
date of publication:	09 February 2000
Number of Books:	12
Total Number Books:	187

FIRST ADD DELETE LAST
Previous NEXT SAVE EXIT

Book Shop Management

Book ID	Book Name	Book Cost	No of Pages	Book Author	ISBN	Edition	Publication	date/year of publication	Number of Books	Total Number Books
B11	Differential Calculus	400	525	Shanti Narayan	978-93-8067-412-2	4	S. Chand & Co	13-05-2005	12	100
B12	Integral Calculus	450	423	Shanti Narayan	978-93-8067-412-3	2	Delhi Khanna	12-03-2002	5	112
B13	Modem Abstract Algebra	545	569	Shanti Narayan	928-93-8067-412-2	3	U.N. Dhar	02-12-2007	6	117
B14	Higher Engineering Math...	63	600	Shanti Narayan	978-93-8067-412-2	2	Tata McGraw Hill	14-05-2004	3	120
B16	Environmental Science	66	600				Wiley Eastern	22-03-2003	10	136
B17	Human Behavior at Work	55	500				Thomas Elliot Berry	24-11-2005	13	149
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B19	Business Communication	60	600				U.N. Dhar	23-10-2006	6	160
B20	Client Server Computing	55	500				Sun India	30-04-2004	7	167
B21	Data Structure Using C	33	300				Thakur	02-09-2006	8	175
B22	Visual Basic 6	599	973	Steven Holzner	973-49-2374-897-3	1	Wiley	09-02-2000	12	187

Finding Record On Book Shop Application

Record Not Found With Given Book ID....

OK

Book ID B15
Find Delete

The screenshot shows the 'Book Shop Management' application interface. On the left, a 'Book Details' form is displayed with fields for Book ID (B22), Book Name (Visual Basic 6), Book Cost (599), No of Pages (973), Book Author (Steven Holzner), ISBN (973-49-2374-897-3), Edition (1), Publication (Wiley), date of publication (09 February 2000), Number of Books (12), and Total Number Books (187). Below the form are navigation buttons: FIRST, ADD, DELETE, LAST, Previous, NEXT, SAVE, and EXIT. In the center, a message box says 'Record Not Found With Given Book ID....' with an OK button. On the right, a book search dialog shows 'Book ID' B15 with Find and Delete buttons. The background features a bookshelf illustration.

Deleting Unavailable Record

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Book Details

Book ID:	B22
Book Name:	Visual Basic 6
Book Cost:	599
No of Pages:	973
Book Author:	Steven Holzner
ISBN:	973-49-2374-897-3
Edition:	1
Publication:	Wiley
date of publication:	09 February 2000
Number of Books:	12
Total Number Books:	187

FIRST ADD DELETE LAST
Previous NEXT SAVE EXIT

Book Shop Management

Book ID	Book Name	Book Cost	No of Pages	Book Author	ISBN	Edition	Publication	date/year of publication	Number of Books	Total Number Books
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Finding Record On Book Shop Application

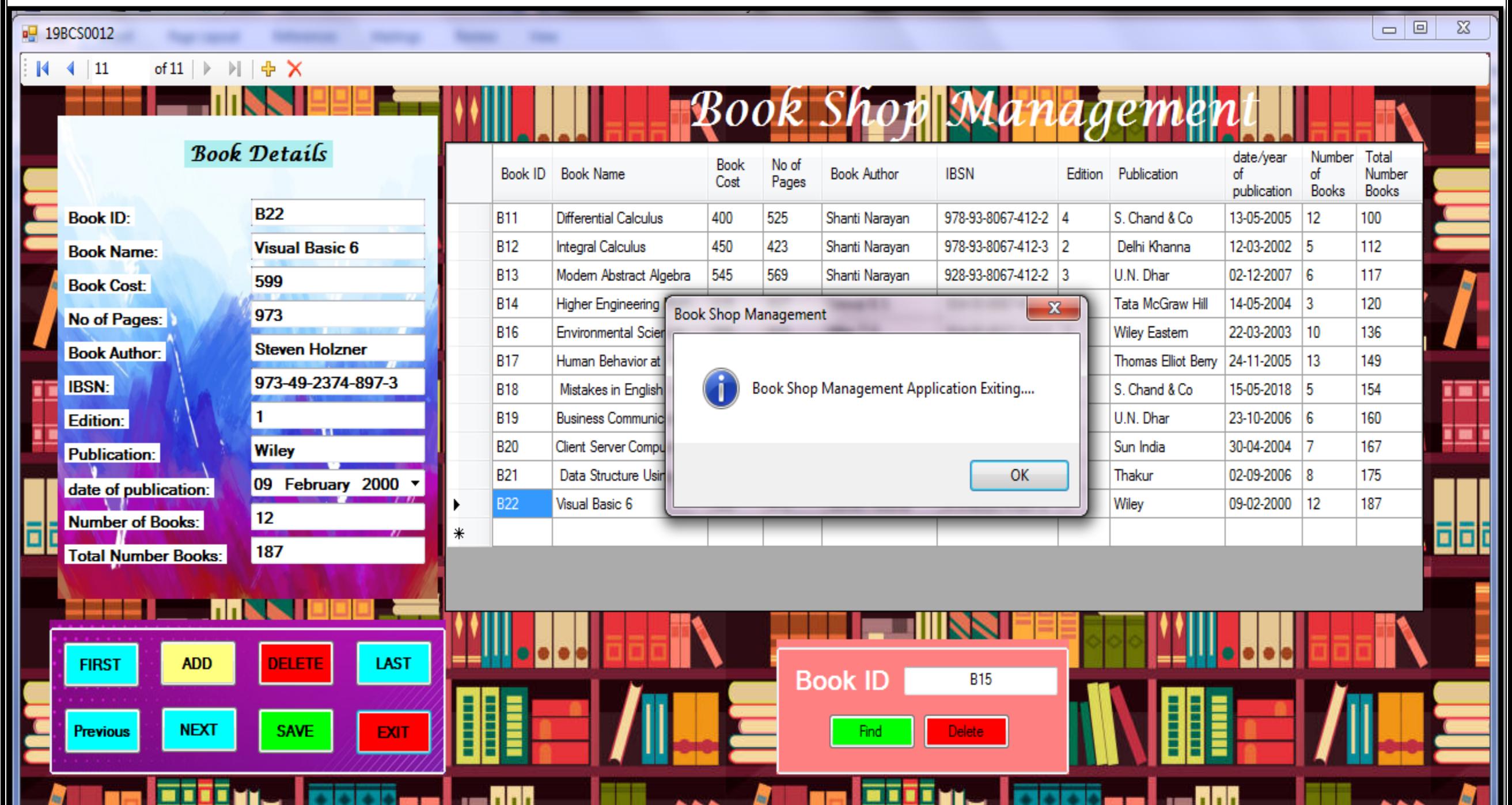
Record Not Found With Given Book ID....

OK

Book ID B15
Find Delete

The screenshot shows the 'Book Shop Management' application interface. On the left, a 'Book Details' form is displayed with fields for Book ID (B22), Book Name (Visual Basic 6), Book Cost (599), No of Pages (973), Book Author (Steven Holzner), ISBN (973-49-2374-897-3), Edition (1), Publication (Wiley), date of publication (09 February 2000), Number of Books (12), and Total Number Books (187). Below the form are navigation buttons: FIRST, ADD, DELETE, LAST, Previous, NEXT, SAVE, and EXIT. In the center, a message box says 'Record Not Found With Given Book ID....' with an OK button. On the right, a book search dialog shows 'Book ID' B15 with Find and Delete buttons. The background features a bookshelf illustration.

Exiting The Application



Data Base

Book	Book Name	Book Cost	No of	Book Author	ISBN	Editior	Publication	date/year of	Numbe	Total Numbe
B11	Differential Calculus	Rs. 400	525	Shanti Narayan	978-93-8067-412-2	4	S. Chand & Co	13-05-2005	12	100
B12	Integral Calculus	Rs. 450	423	Shanti Narayan	978-93-8067-412-3	2	Delhi Khanna	12-03-2002	5	112
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-----`Thank You!`-----