ASP .NET Web Forms and SQL Server

Design a Web form to collect the book details for the library management using ASP .NET. Integrate the web form with SQL server to store the captured information from the web form.

@Microsoft SQL Server

1. Create a database on Microsoft SQL Server

2. Add the table into the created database and include the following attributes

Column Name	Data Type	Allow Nulls
▶ BookID	nchar(10)	☑
BookTitle	nchar(10)	☑
AuthorsName	nchar(10)	☑
Publisher	nchar(10)	☑
YearOfPublication	nchar(10)	☑
Quantity	nchar(10)	☑

@Visual Studio

1. Select > new Project from web option use ASP.NET empty Web Application.

2. After loading project, select click Tools at top then select connect to Database option.

3. Add connection dialogue box will appear click at change option and select the Microsoft SQL Server.

4. Now enter your server name. If you not remember your server name write dot .' or (local) than your databases from SQL Server loaded.

5. From select or enter a Database option. Do select your Database name, then click at Test Connection and close.

6. Create the new web form

7. Design the web form as follows:

Library Management

Book ID:	
Book Title:	
Author(s) Name:	
Publisher:	
Year of Publication:	
Quantity:	

Submit

8. Add the following code to create the event for the "Submit" button

```csharp
protected void Button1_Click(object sender, EventArgs e)
{
        string connString = "Data Source=LAPTOP-
2UETRURU\\SQLEXPRESS01;Initial Catalog=UNIVERSITY;Integrated
Security=True";
        SqlConnection conn = new SqlConnection(connString);

        conn.Open();

        string query = "INSERT INTO LIBRARY
(BookID,BookTitle,AuthorsName,Publisher,YearOfPublication,Quantity)
VALUES
(@BookID,@BookTitle,@AuthorsName,@Publisher,@YearOfPublication,@Quanti
ty)";

        SqlCommand insertCommand = new SqlCommand(query, conn);
        insertCommand.Parameters.AddWithValue("@BookID",
TextBox1.Text);
        insertCommand.Parameters.AddWithValue("@BookTitle",
TextBox2.Text);
        insertCommand.Parameters.AddWithValue("@AuthorsName",
TextBox3.Text);
```

```
            insertCommand.Parameters.AddWithValue("@Publisher",
TextBox4.Text);

insertCommand.Parameters.AddWithValue("@YearOfPublication",
TextBox5.Text);
            insertCommand.Parameters.AddWithValue("@Quantity",
TextBox6.Text);
            insertCommand.ExecuteNonQuery();

            conn.Close();

            Response.Write(TextBox1.Text + " Book details saved
Successfully!");

}
```

9. Execute the Web form and enter the appropriate details

123 Book details saved Successfully!

Library Management

Book ID: `123`

Book Title: `Full Stack`

Author(s) Name: `Santhosh`

Publisher: `Springer`

Year of Publication: `2023`

Quantity: `10`

Submit

10. @SQL Server : Check for inserted values in the table

	BookID	BookTitle	AuthorsName	Publisher	YearOfPublication	Quantity
1	11	REDVF	GFDS	432	GFDS	12
2	23	fdx	ww	fd	11	432
3	123	Full Stack	Santhosh	Springer	2023	10

ASSESSMENT 15:

Design a Web form to collect the movie ticket booking details using ASP .NET. Integrate the web form with SQL server to store the captured information from the web form.