**Q1. ADO.NET Exercises**

**1.2 Book Store application**

It is an application through which an owner of the book store will be able to manipulate records from a database table maintained by that book store

**1.2.1 Objective**

To get to know how to interact with database in disconnected(do in connected mode) manner..

**1.2.2 Problem Statement**

You need to develop an application for a book store where owner of the store will be able to

a. Find out any book from the database with the help of the book name, along with numerous details about the book.

The database should maintain a table, BookDetailstable containing following information:

1. Book Name

2. Book Id (primary key)

3. Author Name

4. Publisher name

5. No of copies

6. Price

The data should be retrieved in a **disconnected manner**.

Note: If the owner does not remember the full name of the book, he/she can use partial name (few characters in that name) of the book to search the book.

**Q2. Performing CRUD operations using ADO.NET Disconnected mode**

For online Book Shop, the information needs to be maintained about the books that are currently available. For maintaining the same, the user interface is provided in such a way that it allows the user to add the information about new books, to modify the information about the existing books like changing the price, publisher name or the author name and to remove the information about the unwanted books.

Before updating or removing the book information firstly ensure that book exists by filtering the book information based on book name.

**2.2.1 Objective**

Perform CRUD operations on the Books table using ADO.NET Disconnected mode.

**2.2.2 Problem Statement**

Create a Book table containing following columns and data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Book Code** | **Book Name** | **Publisher Name** | **Author Name** | **Price** |
| ASPNA | ASP.Net Profes-sional | Wrox | Bill Evjen, Matt Gibbs, | 750.00 |
| ASPNB | Beginning ASP.Net | TechMedia | Dan Wahlin, Dave Reed | 545.00 |
| LNQA | Learning LINQ | APress | Steve Eichert | 400.00 |
| CSPN | C# Developers Guide | Tata McGraw | Dan Maharry | 675.00 |

**Provide the following options**

1. Adding the information about new books.

2. Filter criteria to display book information based on the chosen BookCode. On giving the user input for **BookCode,** the existing code values from the database should be displayed.

3. Modifying the filtered book information to update a matching row in the data-base table.

4. Deleting the filtered book information about existing books based on the filter criteria to delete a matching row in the database table.

(Note : Before Update or delete , the row should be filtered and displayed as well. )