Nova Limited: Code Sample

Functional Requirements

1. Given the sample data provided, design and build an n-tiered system for the storage and maintenance of customer data.
2. Create a view that allows the user to be able to enter the customer name as a search and be returned the five most likely matches.
3. Create a view that displays the number and percentage of customers by location and category.
4. The system should record the time and date of customer creation, updates and removal. Create a view to display this information.

Non-functional Requirements

1. MS SQL Server must be used (SQL Server Express Edition is available as a free download).
2. C# is preferred, VB.NET will be accepted.
3. The solution must be provided as a Visual Studio 2012 solution and target v4.5 of the .NET Framework.
4. The choice of UI technology and other frameworks is up to the candidate, as long as all licensing requirements have been satisfied.