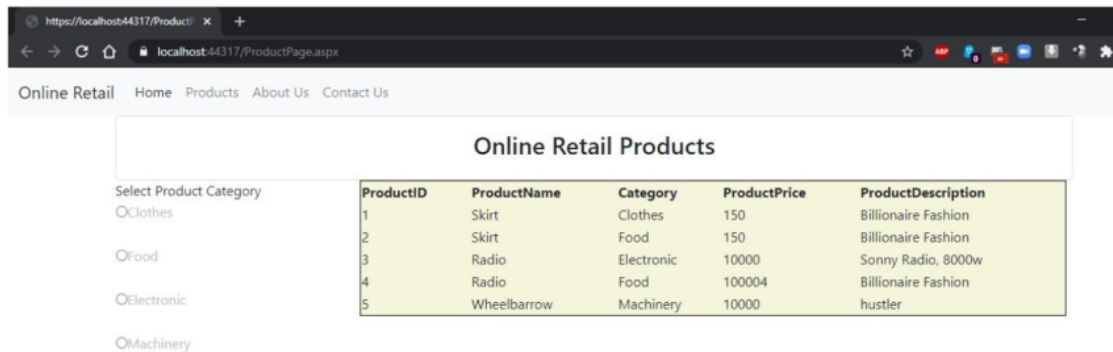# AspOnlineRetail

by Ann Nduta

Introduction

The online retail website is management website that is built on ASP.Net, HTML and CSS. The business website has different functionality that works on the retail section. The website will be able to work like an ecommerce. Ecommerce is a form of electronic shopping store where the customer or buyer is able to conduct purchase process over the internet. The purchase and sale transaction is completed electronically and interactively in real-time.

Explanation

Design and implementation of the Data Controls

1. Data Grid view Control
   ASP.Net uses the grid view control to show tabular data in a grid format. The grid view control is used to display the values of data source in a table. The column represent a field where each row stands for a record. The grid view control offers improvement such as the ability to define multiple primary key and custom modification using bound fields.

2. SQL Data source

SQL Data source data control is represented with data in a sql relation database to data bound controls. It can be used in conjunction with data bound control to retrieve data from a relational database. SQL Data source can be used to display, sort data, edit and update on website page. When performing the data operation in sql data operation the appropriate command text and any associated parameters must be set. The SQL queries or commands operations are written to perform the CRUD operations (Create, Read, Update, and Delete).

Implementing of validation controls

Validation controls in ASP.Net can be grouped into client side validation and server side validation. The validation controls are used to carry out presentation logic and to validate user input information. ASP.Net gives a list of validation controls that provide methods to check for errors and display the error messages to the user. The main types of validation controls in used in the online retail website.

- Required Field Validation Control

  The validation control makes an input control a required form field

- **Range Validator Control**
  This validation control checks that a user has entered a value that is between two values.

- Validation Summary
  Validation summary displays validation errors occurred in a website page.

```
<div class="card">
    <div class="card-body text-center">
        <h3>Add Product Category</h3>
    </div>
</div>
</div>
<div class="row ">
    <div class="col-md-4"></div>
    <div class="col-md-4">
<form id="form1" class="form-group" runat="server">
    <asp:ValidationSummary ID="ValidationSummary1" runat="server" />
    <div class="form-group">
        <asp:Label ID="Label1" runat="server" Text="Category Code"></asp:Label><asp:TextBox ID="txtCatCode" CssClass="form-control" runat="server"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ErrorMessage="Please Enter Category Code" ControlToValidate="txtCatCode"></asp:Require

    </div>

    <div class="form-group">
        <asp:Label ID="Label4" runat="server" Text=" Category Name"></asp:Label><asp:TextBox ID="txtCatName" CssClass="form-control" runat="server"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ErrorMessage="Please Enter Category Name" ControlToValidate="txtCatName"></asp:Require

    </div>

    <div class="form-group">
        <asp:Button ID="Submit" runat="server"  CssClass="btn btn-block btn-success" Text="Submit" OnClick="Submit_Click" />
    </div>
</form>

    </div>
    <div class="col-md-4"></div>
</div>

</asp:Content>
```


Add Products

- Please Enter Product Name
- Please Enter Product Price
- Please Select Product Image
- Please Enter Product Description

Product Name

Please Enter Product Name

Product Category

Clothes

Product Price

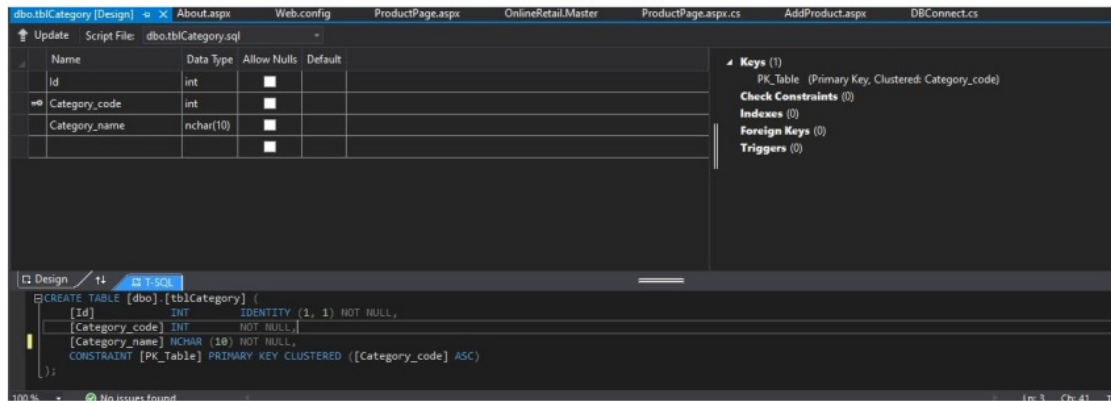Please Enter Product Price

Product Image

Choose File   No file chosen   Please

Select Product Image

Server Side Validation Control

Server validation will only work when CauseValidation is set to true. The .Net language is used on the server side validation while JavaScript is used on the client side.

```
<asp:Button ID="submit" runat="server" text="submit" CauseValidation=true />
```


Any Considerations or techniques that you used for specific design issues

AspOnlineRetail

Exclude quotes	Off		Exclude matches	Off
Exclude bibliography	On			

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FINAL GRADE

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GENERAL COMMENTS

Instructor

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