# ABCRetailers Web Application - Views Code Snapshots

# Views - Product View

## Index.cshtml

<!-- Views/Product/Index.cshtml -->

@model IEnumerable<ABCRetailers.Models.Product>

@{

ViewData["Title"] = "Products";

}

<div class="d-flex justify-content-between align-items-center mb-4">

<h2><i class="fas fa-box"></i> Products</h2>

<**a** **asp-action**="Create" class="btn btn-primary">

<i class="fas fa-plus"></i> Add New Product

</**a**>

</div>

@if (Model.Any())

{

<div class="table-responsive">

<table class="table table-striped table-hover">

<thead class="table-dark">

<tr>

<th>Image</th>

<th>Product ID</th>

<th>Product Name</th>

<th>Description</th>

<th>Price</th>

<th>Stock Available</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

@foreach (var product in Model)

{

<tr>

<td>

@if (!string.IsNullOrEmpty(product.ImageUrl))

{

<img src="@product.ImageUrl" alt="@product.ProductName" class="img-thumbnail" style="width: 50px; height: 50px; object-fit: cover;">

}

else

{

<div class="bg-light d-flex align-items-center justify-content-center" style="width: 50px; height: 50px;">

<i class="fas fa-image text-muted"></i>

</div>

}

</td>

<td><code>@product.ProductId.Substring(0, 8)...</code></td>

<td>@product.ProductName</td>

<td>@(product.Description.Length > 50 ? product.Description.Substring(0, 50) + "..." : product.Description)</td>

<td>

<strong class="text-success">@product.Price.ToString("C")</strong>

@if (product.Price <= 0)

{

<br />

<small class="text-danger">⚠️ Price not set</small>

}

</td>

<td>

<span class="badge bg-@(product.StockAvailable > 10 ? "success" : product.StockAvailable > 0 ? "warning" : "danger")">

@product.StockAvailable

</span>

</td>

<td>

<div class="btn-group" role="group">

<**a** **asp-action**="Edit" **asp-route-id**="@product.RowKey" class="btn btn-sm btn-outline-primary">

<i class="fas fa-edit"></i>

</**a**>

<button type="button" class="btn btn-sm btn-outline-danger" onclick="confirmDelete('@product.RowKey', '@product.ProductName')">

<i class="fas fa-trash"></i>

</button>

</div>

</td>

</tr>

}

</tbody>

</table>

</div>

}

else

{

<div class="alert alert-info">

<i class="fas fa-info-circle"></i> No products found.

<**a** **asp-action**="Create" class="alert-link">Add your first product</**a**>!

</div>

}

<!-- Delete Confirmation Modal -->

<div class="modal fade" id="deleteModal" tabindex="-1">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title">Confirm Delete</h5>

<button type="button" class="btn-close" data-bs-dismiss="modal"></button>

</div>

<div class="modal-body">

Are you sure you want to delete product <strong id="productName"></strong>?

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Cancel</button>

<**form** id="deleteForm" method="post" style="display: inline;">

<button type="submit" class="btn btn-danger">Delete</button>

</**form**>

</div>

</div>

</div>

</div>

@section Scripts {

<script>

function confirmDelete(productId, productName) {

document.getElementById('productName').textContent = productName;

document.getElementById('deleteForm').action = '/Product/Delete/' + productId;

new bootstrap.Modal(document.getElementById('deleteModal')).show();

}

</script>

}

## Create.cshtml

<!-- Views/Product/Create.cshtml -->

@model ABCRetailers.Models.Product

@{

ViewData["Title"] = "Create Product";

}

<h2><i class="fas fa-plus-square"></i> Add New Product</h2>

<div class="row">

<div class="col-md-8">

<**form** **asp-action**="Create" method="post" enctype="multipart/form-data">

<**div** **asp-validation-summary**="ModelOnly" class="text-danger"></**div**>

<div class="form-group mb-3">

<**label** **asp-for**="ProductName" class="form-label"></**label**>

<**input** **asp-for**="ProductName" class="form-control" placeholder="Enter product name" />

<**span** **asp-validation-for**="ProductName" class="text-danger"></**span**>

</div>

<div class="form-group mb-3">

<**label** **asp-for**="Description" class="form-label"></**label**>

<**textarea** **asp-for**="Description" class="form-control" rows="3" placeholder="Enter product description"></**textarea**>

<**span** **asp-validation-for**="Description" class="text-danger"></**span**>

</div>

<div class="row">

<div class="col-md-6">

<div class="form-group mb-3">

<**label** **asp-for**="PriceString" class="form-label">Price</**label**>

<div class="input-group">

<span class="input-group-text">$</span>

<**input** **asp-for**="PriceString" **name**="PriceString" class="form-control" **type**="text" placeholder="29.99" required />

</div>

<**span** **asp-validation-for**="PriceString" class="text-danger"></**span**>

<div class="form-text">Enter price in dollars (e.g., 29.99) - Required field</div>

</div>

</div>

<div class="col-md-6">

<div class="form-group mb-3">

<**label** **asp-for**="StockAvailable" class="form-label"></**label**>

<**input** **asp-for**="StockAvailable" class="form-control" **type**="number" min="0" placeholder="0" />

<**span** **asp-validation-for**="StockAvailable" class="text-danger"></**span**>

<div class="form-text">Enter quantity in stock</div>

</div>

</div>

</div>

<div class="form-group mb-3">

<label for="imageFile" class="form-label">Product Image</label>

<input type="file" name="imageFile" id="imageFile" class="form-control" accept="image/\*" />

<div class="form-text">Upload an image for this product (optional) - JPG, PNG, GIF formats</div>

</div>

<div class="form-group">

<button type="submit" class="btn btn-primary">

<i class="fas fa-save"></i> Create Product

</button>

<**a** **asp-action**="Index" class="btn btn-secondary">

<i class="fas fa-times"></i> Cancel

</**a**>

</div>

</**form**>

</div>

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

<div class="card">

<div class="card-header">

<h6 class="card-title mb-0"><i class="fas fa-info-circle"></i> Product Guidelines</h6>

</div>

<div class="card-body">

<h6>Required Fields:</h6>

<ul class="small">

<li>Product Name</li>

<li>Description</li>

<li>Price (must be greater than $0.00)</li>

<li>Stock Quantity</li>

</ul>

<h6 class="mt-3">Image Guidelines:</h6>

<ul class="small">

<li>Recommended size: 800x600 pixels</li>

<li>Supported formats: JPG, PNG, GIF</li>

<li>Maximum file size: 5MB</li>

</ul>

<div class="alert alert-info mt-3">

<small><i class="fas fa-lightbulb"></i> <strong>Tip:</strong> High-quality images increase customer engagement!</small>

</div>

</div>

</div>

</div>

</div>

@section Scripts {

@{

await Html.RenderPartialAsync("\_ValidationScriptsPartial");

}

<script>

// Form submission validation with enhanced price checking

document.querySelector('form').addEventListener('submit', function(e) {

const priceInput = document.getElementById('Price');

const priceValue = priceInput.value.trim();

console.log('Form submitted with price value:', priceValue);

// Check if price is empty

if (!priceValue) {

e.preventDefault();

alert('Please enter a price for the product');

priceInput.focus();

return false;

}

// Try to parse the price

const price = parseFloat(priceValue);

if (isNaN(price) || price <= 0) {

e.preventDefault();

alert('Please enter a valid price greater than $0.00');

priceInput.focus();

return false;

}

console.log('Price validation passed:', price);

});

// Real-time price validation

document.getElementById('Price').addEventListener('input', function(e) {

const value = e.target.value.trim();

const errorSpan = document.querySelector('[data-valmsg-for="Price"]');

if (value) {

const price = parseFloat(value);

if (isNaN(price) || price <= 0) {

if (errorSpan) errorSpan.textContent = 'Please enter a valid price greater than $0.00';

e.target.style.borderColor = '#dc3545';

} else {

if (errorSpan) errorSpan.textContent = '';

e.target.style.borderColor = '#28a745';

}

} else {

if (errorSpan) errorSpan.textContent = 'Price is required';

e.target.style.borderColor = '#dc3545';

}

});

</script>

}

## Edit.cshtml

<!-- Views/Product/Edit.cshtml -->

@model ABCRetailers.Models.Product

@{

ViewData["Title"] = "Edit Product";

}

<h2><i class="fas fa-edit"></i> Edit Product</h2>

<div class="row">

<div class="col-md-8">

<**form** **asp-action**="Edit" method="post" enctype="multipart/form-data">

<**input** **type**="hidden" **asp-for**="RowKey" />

<**input** **type**="hidden" **asp-for**="PartitionKey" />

<**input** **type**="hidden" **asp-for**="ETag" />

<**input** **type**="hidden" **asp-for**="Timestamp" />

<**input** **type**="hidden" **asp-for**="ImageUrl" />

<**div** **asp-validation-summary**="ModelOnly" class="text-danger"></**div**>

<div class="form-group mb-3">

<**label** **asp-for**="ProductName" class="form-label"></**label**>

<**input** **asp-for**="ProductName" class="form-control" />

<**span** **asp-validation-for**="ProductName" class="text-danger"></**span**>

</div>

<div class="form-group mb-3">

<**label** **asp-for**="Description" class="form-label"></**label**>

<**textarea** **asp-for**="Description" class="form-control" rows="3"></**textarea**>

<**span** **asp-validation-for**="Description" class="text-danger"></**span**>

</div>

<div class="row">

<div class="col-md-6">

<div class="form-group mb-3">

<**label** **asp-for**="Price" class="form-label"></**label**>

<div class="input-group">

<span class="input-group-text">$</span>

<**input** **asp-for**="Price" class="form-control" **type**="number" step="0.01" min="0" placeholder="0.00" />

</div>

<**span** **asp-validation-for**="Price" class="text-danger"></**span**>

</div>

</div>

<div class="col-md-6">

<div class="form-group mb-3">

<**label** **asp-for**="StockAvailable" class="form-label"></**label**>

<**input** **asp-for**="StockAvailable" class="form-control" **type**="number" min="0" placeholder="0" />

<**span** **asp-validation-for**="StockAvailable" class="text-danger"></**span**>

</div>

</div>

</div>

<div class="form-group mb-3">

<label class="form-label">Current Image</label>

<div class="mb-2">

@if (!string.IsNullOrEmpty(Model.ImageUrl))

{

<img src="@Model.ImageUrl" alt="@Model.ProductName" class="img-thumbnail" style="max-width: 200px; max-height: 200px;">

}

else

{

<div class="bg-light d-flex align-items-center justify-content-center" style="width: 200px; height: 200px;">

<i class="fas fa-image fa-3x text-muted"></i>

</div>

}

</div>

<label for="imageFile" class="form-label">Upload New Image (Optional)</label>

<input type="file" name="imageFile" id="imageFile" class="form-control" accept="image/\*" />

<div class="form-text">Leave empty to keep current image</div>

</div>

<div class="form-group">

<button type="submit" class="btn btn-primary">

<i class="fas fa-save"></i> Update Product

</button>

<**a** **asp-action**="Index" class="btn btn-secondary">

<i class="fas fa-times"></i> Cancel

</**a**>

</div>

</**form**>

</div>

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

<div class="card">

<div class="card-header">

<h6 class="card-title mb-0">Product Preview</h6>

</div>

<div class="card-body">

<h6>@Model.ProductName</h6>

<p class="text-muted">@Model.Description</p>

<p><strong>Current Price:</strong> <span class="text-success">@Model.Price.ToString("C")</span></p>

<p><strong>Stock:</strong> <span class="badge bg-@(Model.StockAvailable > 10 ? "success" : Model.StockAvailable > 0 ? "warning" : "danger")">@Model.StockAvailable</span></p>

</div>

</div>

</div>

</div>

@section Scripts {

@{

await Html.RenderPartialAsync("\_ValidationScriptsPartial");

}

}