```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>IBM NJ Product Catalog</title>

<style>

body { font-family: Arial, sans-serif; margin: 20px; background: #f9f9f9; }

h1 { text-align: center; color: #1f4e79; }

form { background: #fff; padding: 20px; margin-bottom: 20px; border-radius: 8px; box-shadow: 0
0 10px rgba(0,0,0,0.1); }

input, select, textarea { width: 100%; padding: 8px; margin: 5px 0; border-radius: 4px; border: 1px
solid #ccc; }

button { background: #1f4e79; color: white; padding: 10px 15px; border: none; border-radius: 4px;
cursor: pointer; }

button:hover { background: #163b5c; }

table { width: 100%; border-collapse: collapse; margin-top: 20px; }

th, td { padding: 10px; border: 1px solid #ccc; text-align: left; }

th { background: #1f4e79; color: white; }

td button { background: #c0392b; margin-right: 5px; }
```
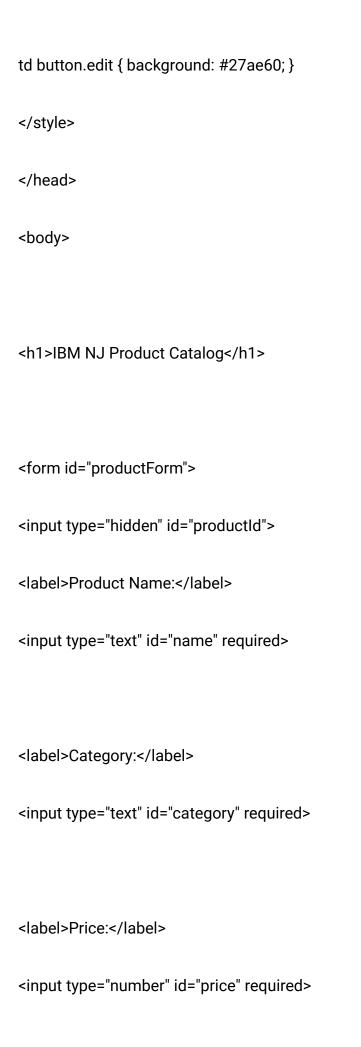
```
td button.edit { background: #27ae60; }

</style>

</head>

<body>

<h1>IBM NJ Product Catalog</h1>

<form id="productForm">

<input type="hidden" id="productId">

<label>Product Name:</label>

<input type="text" id="name" required>

<label>Category:</label>

<input type="text" id="category" required>

<label>Price:</label>

<input type="number" id="price" required>
```

```html
<label>Description:</label>

<textarea id="description"></textarea>

<label>Stock:</label>

<input type="number" id="stock" value="0" required>

<button type="submit">Add Product</button>

</form>

<table id="productTable">

<thead>

  <tr>

    <th>Name</th>

    <th>Category</th>

    <th>Price</th>

    <th>Description</th>

    <th>Stock</th>
```

```html
      <th>Actions</th>

    </tr>

  </thead>

  <tbody></tbody>

</table>


<script>

let products = [];


function renderTable() {

const tbody = document.querySelector('#productTable tbody');

tbody.innerHTML = '';

products.forEach((p, index) => {

  tbody.innerHTML += `

    <tr>

      <td>${p.name}</td>

      <td>${p.category}</td>
```

```
      <td>${p.price}</td>

      <td>${p.description}</td>

      <td>${p.stock}</td>

      <td>

        <button class="edit" onclick="editProduct(${index})">Edit</button>

        <button onclick="deleteProduct(${index})">Delete</button>

      </td>

    </tr>

  `;

});

}


document.getElementById('productForm').addEventListener('submit', function(e) {

e.preventDefault();

const id = document.getElementById('productId').value;

const product = {

  name: document.getElementById('name').value,

  category: document.getElementById('category').value,
```

```
      price: parseFloat(document.getElementById('price').value),

      description: document.getElementById('description').value,

      stock: parseInt(document.getElementById('stock').value)

    };

    if (id) {

      products[id] = product;

      document.getElementById('productId').value = ";

      this.querySelector('button').textContent = 'Add Product';

    } else {

      products.push(product);

    }

    this.reset();

    renderTable();

  });



  function editProduct(index) {

    const product = products[index];
```

```javascript
document.getElementById('productId').value = index;

document.getElementById('name').value = product.name;

document.getElementById('category').value = product.category;

document.getElementById('price').value = product.price;

document.getElementById('description').value = product.description;

document.getElementById('stock').value = product.stock;

document.querySelector('#productForm button').textContent = 'Update Product';

}



function deleteProduct(index) {

if (confirm('Are you sure you want to delete this product?')) {

  products.splice(index, 1);

  renderTable();

}

}



renderTable();

</script>
```

```html
</body>

</html>
```