

SOURCE CODE LINK:

https://drive.google.com/drive/folders/198zJruWsf_0X1GxNNZR6AUvZH uw9AUyc?usp=sharing

CODE STARTS HERE:

```
klink
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">
 <!-- jQuery -->
 <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
 <style>
   .product-list {
    margin-top: 30px;
 </style>
</head>
<body>
<div class="container-fluid bg-light">
 <h1 class=" text-center p-3 bg-info">Inventory Management System</h1>
 <!-- Product List -->
 <div class="product-list">
   <h3 class="display">Product List</h3>
   <thead>
      Product Name
        Description
        SKU
        Price
        Quantity
      </thead>
     <!-- Products will be dynamically added here -->
```

```
<!-- Add Product Button -->

<button type="button" class="btn btn-primary mt-3" data-toggle="modal" data-target="#addProductModal">Add Product</button>

</div>
</div></div>
```

```
<!-- Add Product Modal -->
<div class="modal fade" id="addProductModal" tabindex="-1" role="dialog" aria-</pre>
labelledby="addProductModalLabel" aria-hidden="true">
  <div class="modal-dialog" role="document">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title mark" id="addProductModalLabel" >Add Product</h5>
        <button type="button" class="close" data-dismiss="modal" aria-</pre>
label="Close">
          <span aria-hidden="true">&times;</span>
        </button>
      </div>
      <div class="modal-body">
        <!-- Form to add a new product -->
        <form id="addProductForm" class="bg-light text-warning lead">
          <div class="form-group">
            <label for="productName">Product Name</label>
            <input type="text" class="form-control" id="productName" required>
          </div>
          <div class="form-group">
            <label for="productDescription">Description</label>
            <textarea class="form-control" id="productDescription"</pre>
required></textarea>
```

```
</div>
          <div class="form-group">
            <label for="productSKU">SKU</label>
            <input type="text" class="form-control" id="productSKU" required>
          </div>
          <div class="form-group">
            <label for="productPrice">Price</label>
            <input type="number" class="form-control" id="productPrice" required>
          </div>
          <div class="form-group">
            <label for="productQuantity">Quantity</label>
            <input type="number" class="form-control" id="productQuantity"</pre>
required>
          </div>
        </form>
      </div>
      <div class="modal-footer">
        <button type="button" class="btn btn-secondary" data-</pre>
dismiss="modal">Close</button>
        <button type="button" class="btn btn-primary" id="addProductBtn">Add
Product</button>
      </div>
    </div>
  </div>
</div>
<!-- Bootstrap JS -->
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></sc</pre>
ript>
```

```
<!-- Custom JavaScript -->
<script>
 $(document).ready(function(){
   $("#addProductBtn").click(function(){
     // Retrieve input values
      var productName = $("#productName").val();
      var productDescription = $("#productDescription").val();
      var productSKU = $("#productSKU").val();
      var productPrice = $("#productPrice").val();
      var productQuantity = $("#productQuantity").val();
      // Validate input values (e.g., check for empty fields)
      if(productName === "" || productDescription === "" || productSKU === "" ||
productPrice === "" || productQuantity === "") {
       alert("Please fill in all fields.");
       return;
      // Check if product with the same SKU already exists
      var existingProduct = getProductBySKU(productSKU);
      if (existingProduct) {
        // If product already exists, update its quantity
        var newQuantity = parseInt(existingProduct.quantity) +
parseInt(productQuantity);
        updateProductListItem(existingProduct.sku, newQuantity);
     } else {
        // If product doesn't exist, add it to the list
        var newProduct = {
         name: productName,
          description: productDescription,
          sku: productSKU,
```

```
price: productPrice,
     quantity: productQuantity
   addProductToList(newProduct);
 // Clear the form fields
 $("#addProductForm")[0].reset();
 // Close the modal
 $("#addProductModal").modal("hide");
 // Check for low stock
 if (productQuantity < 10) {</pre>
   alert("Low stock alert for " + productName);
// Function to add a new product to the list
function addProductToList(product) {
 var productRow = `
   ${product.name}
     ${product.description}
     ${product.sku}
     $${product.price}
     ${product.quantity}
   $("#productList").append(productRow);
```

```
// Function to update the quantity of an existing product in the list
function updateProductListItem(sku, newQuantity) {
 $("#product-" + sku + " td:last-child").text(newQuantity);
// Function to get a product by SKU
function getProductBySKU(sku) {
  var products = $("tbody#productList tr");
  for (var i = 0; i < products.length; i++) {</pre>
   var productSKU = $(products[i]).attr("id").split("-")[1];
    if (productSKU === sku) {
     return {
        name: $(products[i]).find("td:eq(0)").text(),
        description: $(products[i]).find("td:eq(1)").text(),
        sku: sku,
        price: $(products[i]).find("td:eq(3)").text().substring(1),
        quantity: $(products[i]).find("td:eq(4)").text()
 return null;
$("input").css("background-color", "cyan");
$("textarea").css("background-color", "cyan");
```

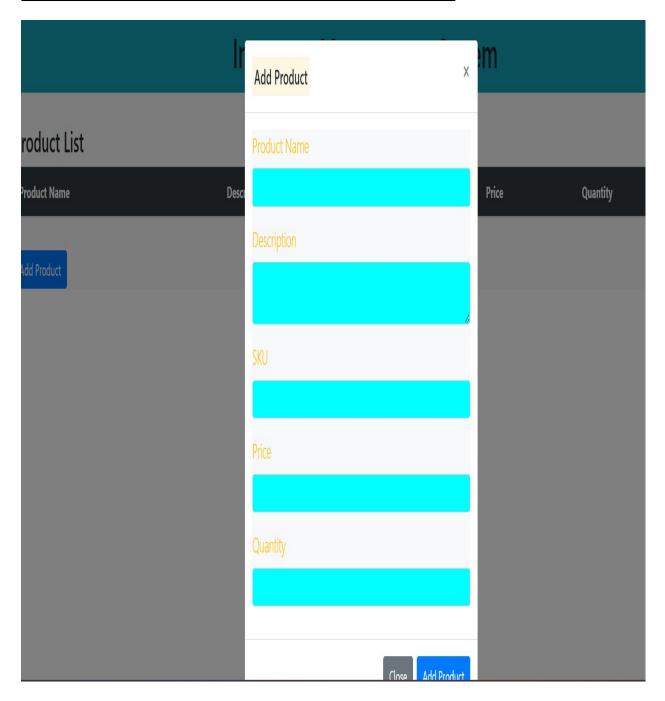
```
</script>
```

</body>
</html>

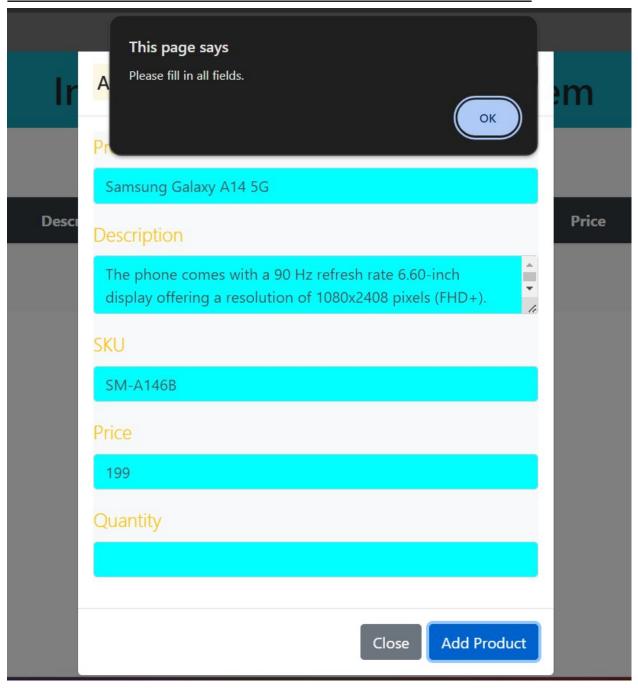
OUTPUT:

Inventory Management System								
Product List								
Product Name	Description	SKU	Price	Quantity				
Add Product								

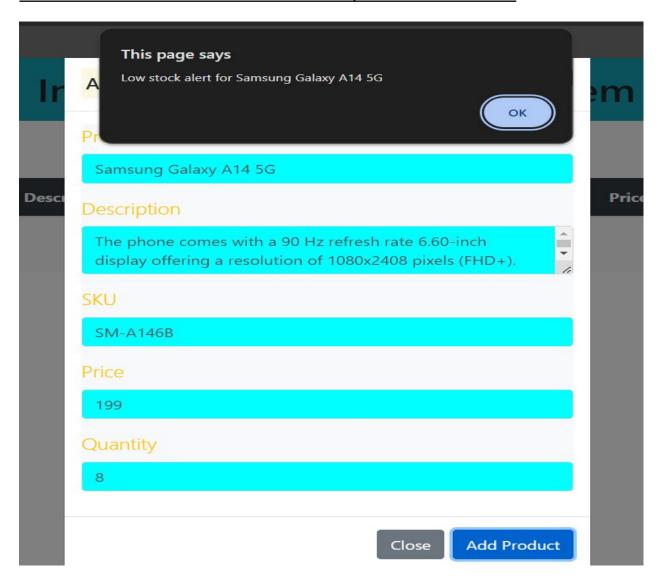
AFTER CLICKING ON Add Product Button:



ALERT POP UP WHEN ANY FIELD IS EMPTY:



ALERT WHEN NUMBER OF QUANTITY<10:



AFTER ADDING PRODUCTS ON LIST:

Inventory Management System										
	inventory management system									
Product List										
Product Name	Description	SKU	Price	Quanti						
Vivo Y21	Vivo Y21 The phone comes with a 6.50-inch touchscreen display offering a resolution of 720x1600 pixels. Vivo Y21 is powered by an octa-core MediaTek Helio P35 (MT6765) processor. It comes with 4GB of RAM. The Vivo Y21 runs Android 11 and is powered by a 5000mAh battery.	YB-134	\$123	12						
Samsung Galaxy A14 5G	The phone comes with a 90 Hz refresh rate 6.60-inch display offering a resolution of 1080x2408 pixels (FHD+). Samsung Galaxy A14 5G is powered by a 2.2Ghz MHz octa-core processor. It comes with 4GB, 6GB, 8GB of RAM.	ST-42313	\$199.7	35						
Redmi Note 10	The phone comes with a 60 Hz refresh rate 6.70-inch touchscreen display offering a resolution of 720x1648 pixels (HD+). The display sports Gorilla Glass for protection. Redmi 10 is powered by an octa-core Qualcomm Snapdragon 680 processor.	WSQ- 56432	\$105	32						
Add Product										