JavaScript Assignment #5

**Part 1: Hooray for Arrays**Intro to Arrays as a discounted price list – using A4P4 as a starting point

[Paste your part 1 Screenshot(s) below. Make sure all of your page displays. Use 2 screenshots as needed.]

[Paste your part 1 Code below – Make sure that ALL of your code is visible between the margins of this page]

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="utf-8">**

**<title>A5P1 by Sebastian Hall</title>**

**<style>**

**body {**

**background-color:lightcyan;**

**}**

**p.prodName {**

**font-weight: bold;**

**}**

**img.prodImg {**

**width: 200px;**

**}**

**div#prodSum {**

**float: left;**

**text-align: right;**

**}**

**#discTable {**

**text-align: right;**

**border: 1px solid black;**

**border-collapse: collapse;**

**}**

**#discTable tr:nth-child(odd) {**

**background-color: lightgrey;**

**}**

**#discTable tr:nth-child(even) {**

**background-color: lightslategrey;**

**}**

**#discTable td, th {**

**border: 2px solid black;**

**}**

**caption {**

**font-weight: bold;**

**}**

**</style>**

**<script>**

**const PRICE\_BR = 16;//Price of Big Rat**

**const PRICE\_SR = 8;//Price of Small Rat**

**const TAXRATE = 0.08;//Taxrate of 8**

**var discounts = [0.95, 0.93, 0.9, 0.88, 0.85, 0.8];**

**var quantities = [10, 50, 100, 200, 500, 1000];**

**function processOrder() {**

**var fName = document.getElementById("txtName").value;**

**var q1 = document.getElementById("txtQ1").value;**

**var q2 = document.getElementById("txtQ2").value;**

**disc = getDisc(q1);**

**var sub1 = q1 \* PRICE\_BR;**

**var sub2 = q2 \* PRICE\_SR;**

**var subtotal = sub1 + sub2;**

**var tax = subtotal \* TAXRATE;**

**var total = subtotal + tax;**

**var output = "<p>" + fName + ", thank you for your order of " +**

**q1 + " Big Rats and " + q2 + " Small Rats!</p>";**

**output += "<p>" + q1 + " Big Rat(s) @ $" + PRICE\_BR + " = $";**

**if(q1>=10) {**

**sub1 \*= disc;**

**output += sub1.toFixed(2) + "\*\*Discount Applied</p>";**

**} else {**

**output += sub1.toFixed(2) + "</p>";**

**}**

**output += "<p>" + q2 + " Small Rat(s) @ $" + PRICE\_SR + " = $" +**

**sub2.toFixed(2) + "</p>";**

**output +="<p>Subtotal: $" + subtotal.toFixed(2) + "</p>";**

**output +="<p>Tax: $" + tax.toFixed(2) + "</p>";**

**output += "<p>Total Balance: $" + total.toFixed(2) + "</p>";**

**document.getElementById("receipt").innerHTML = output;**

**}**

**function displayDiscounts() {**

**var output = "<table id='discTable'><caption>Quantity Discount Pricing On Big Rats</caption><tbody><tr><th>Quantity</th><th>Normal Pricing</th><th>Discount Pricing</th></tr>";**

**for(var i = 0; i < quantities.length; ++i) {**

**var price = quantities[i] \* PRICE\_BR;**

**output += "<tr><td>" + quantities[i] + "</td>";**

**output += "<td>" + price.toFixed(2) + "</td>";**

**output += "<td>" + (price \* discounts[i]).toFixed(2) + "</td></tr>";**

**}**

**output += "</tbody></table>";**

**document.getElementById("discountPricing").innerHTML = output;**

**}**

**</script>**

**</head>**

**<body>**

**<h1>A5P1 The Rat Store</h1>**

**<p>A place for all your rat needs</p>**

**<p>This months specials:</p>**

**<form>**

**<table border="1" cellspacing="0" cellpadding="6" summary="Table of product images, prices & descriptions">**

**<tbody>**

**<tr>**

**<td>&nbsp;</td>**

**<td>&nbsp;</td>**

**<td>Please enter your name:<br><input type="text" id="txtName" name="txtName">**

**</td>**

**</tr>**

**<tr>**

**<td><img class="prodImg" src="bigRat.jpg" alt="Big Rat" /></td>**

**<td>**

**<p class="prodName">$<script>document.write(PRICE\_BR)</script> Big Rat </p>**

**<p>A big furry rodent well suited for a variety of purposes</p>**

**</td>**

**<td>Quantity:<br><input type="text" id="txtQ1" name="txtQ1" value="0" /></td>**

**</tr>**

**<tr>**

**<td><img class="prodImg" src="smallRat.jpg" alt="Small Rat" /></td>**

**<td>**

**<p class="prodName">$<script>document.write(PRICE\_SR)</script> Small Rat</p>**

**<p>A small furry rodent for those with a limited budget, has limited use</p>**

**</td>**

**<td>Quantity:<br><input type="text" id="txtQ2" name="txtQ2" value="0" /></td>**

**</tr>**

**</tbody>**

**</table>**

**<p>**

**<input id="btnProcess" type="button" value="Process Order" />**

**<input id="pricingBtn" type="button" value="Bulk Discount Pricing" />**

**</p>**

**</form>**

**<div id="receipt">&nbsp;</div>**

**<div id="discountPricing">&nbsp;</div>**

**<script>**

**document.getElementById("btnProcess").addEventListener("click", processOrder);**

**document.getElementById("pricingBtn").addEventListener("click", displayDiscounts);**

**</script>**

**</body>**

**</html>**

**Part 2: Stop That False Advertising!**Start using your discounted price list when selling products!

[Paste your part 2 Screenshot(s) below. Make sure all of your page displays. Use 2 screenshots as needed.]

[Paste your part 2 Code below – Make sure that ALL of your code is visible between the margins of this page]

Part 3: Getting to know your new friend "Dom"  
Required Fields with Error Messaging and getElementsByClassName

3 Screen shots + Code (see last page for code)

[Paste your **Screenshot #1** below -- .Just after filling out name but no quantities & Processing Order ]

[Paste your **Screenshot #2** below -- .Continue from previous screenshot, order 2 of product 1 & Process Order ]

[Paste your **Screenshot #3** below -- .Continue from previous screenshot, order 1 of product 2 & Process Order ]

[Paste **your part 3 Code** below – Make sure that ALL of your code is visible between the margins of this page]

**Part 4: More Form Work with getElementsByClassName and Arrays**Work with the given "Buy My Stuff Now!" page.

[Paste your part 4 Screenshot(s) below. Make sure all of your page displays. Use 2 screenshots as needed.]

[Paste your part 2 Code below – Make sure that ALL of your code is visible between the margins of this page]