

TIENDA DE COMERCIO ELECTRÓNICO

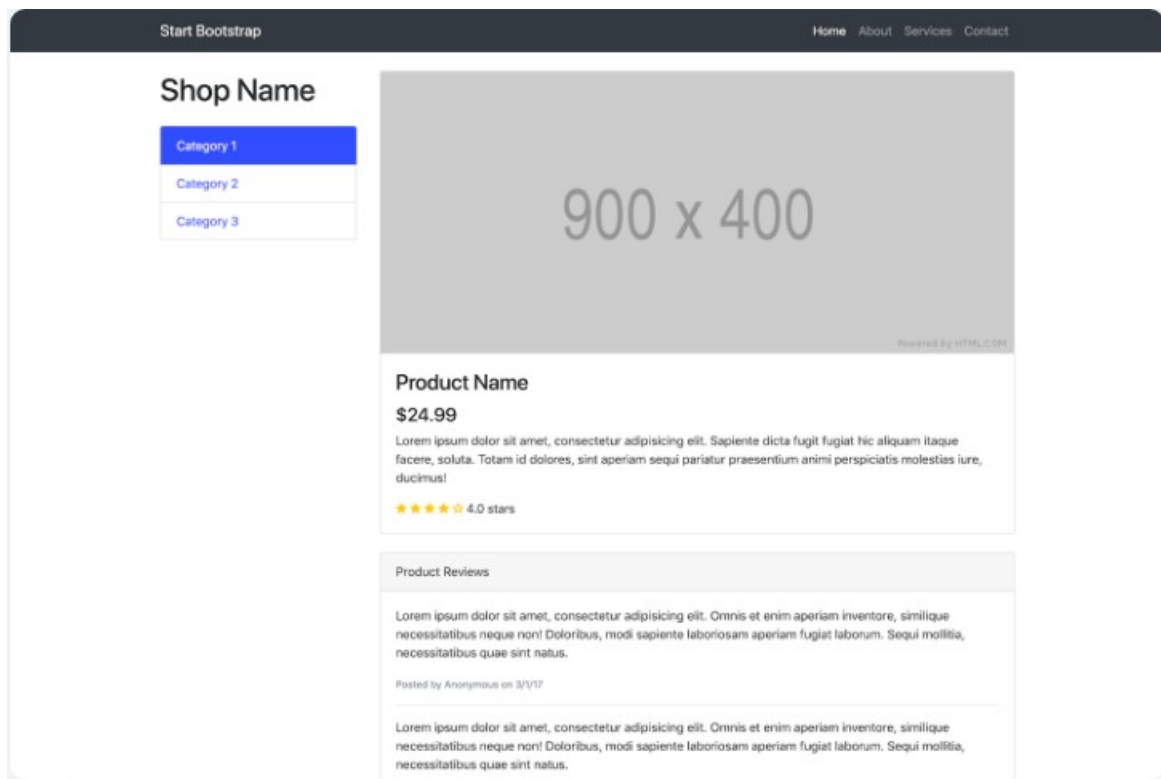
ITERACIÓN 06 – CARRO DE COMPRAS

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1. CARRO DE COMPRAS

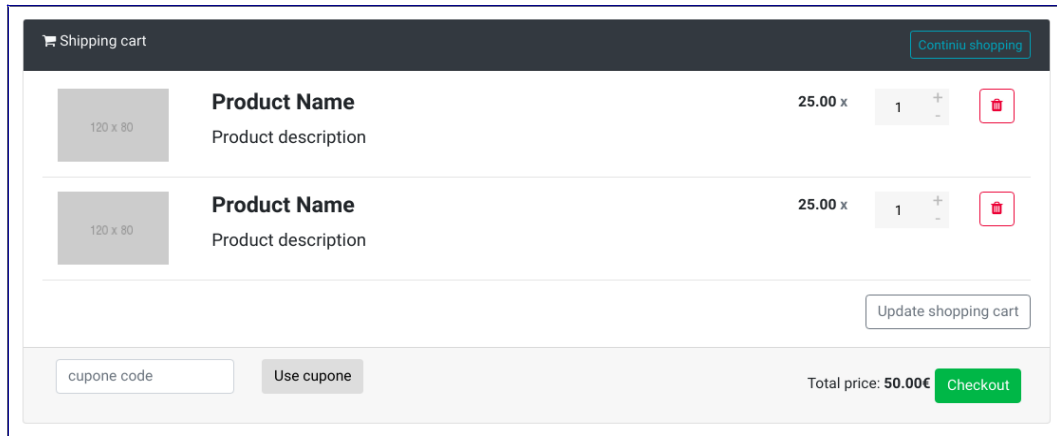
Para esta aplicación se van utilizar las siguientes plantillas de bootstrap:

Shop Item



Fuente: <https://startbootstrap.com/templates/shop-item/>

Shopping Cart Bootstrap 4 + FontAwesome (Beta 2)



Fuente: <https://bootsnipp.com/snippets/35e4p>

Para implementar la funcionalidad de mostrar la información detallada de un producto y el carro de compras (Shopping Cart), se deben crear y modificar los siguientes componentes (artefactos) de java, javascript, css y html.

Clase org.software.product.Product.java

```
001 package org.software.product;
002
003 import java.sql.Timestamp;
004
005 public class Product {
006     long id;
007     int published;
008     double rating_cache;
009     double rating_count;
010     long category_id;
011     String name;
012     double pricing;
013     String short_description;
014     String long_description;
015     String icon;
016     Timestamp created_at;
017     Timestamp updated_at;
018     double media;
019
020     public long getId() {
021         return id;
022     }
023     public void setId(long id) {
024         this.id = id;
025     }
026     public int getPublished() {
027         return published;
028     }
029     public void setPublished(int published) {
030         this.published = published;
031     }
032     public double getRating_cache() {
033         return rating_cache;
```

```

034     }
035     public void setRating_cache(double rating_cache) {
036         this.rating_cache = rating_cache;
037     }
038     public double getRating_count() {
039         return rating_count;
040     }
041     public void setRating_count(double rating_count) {
042         this.rating_count = rating_count;
043     }
044     public long getCategory_id() {
045         return category_id;
046     }
047     public void setCategory_id(long category_id) {
048         this.category_id = category_id;
049     }
050     public String getName() {
051         return name;
052     }
053     public void setName(String name) {
054         this.name = name;
055     }
056     public double getPricing() {
057         return pricing;
058     }
059     public void setPricing(double pricing) {
060         this.pricing = pricing;
061     }
062     public String getShort_description() {
063         return short_description;
064     }
065     public void setShort_description(String short_description) {
066         this.short_description = short_description;
067     }
068     public String getLong_description() {
069         return long_description;
070     }
071     public void setLong_description(String long_description) {
072         this.long_description = long_description;
073     }
074     public String getIcon() {
075         return icon;
076     }
077     public void setIcon(String icon) {
078         this.icon = icon;
079     }
080     public Timestamp getCreated_at() {
081         return created_at;
082     }
083     public void setCreated_at(Timestamp created_at) {
084         this.created_at = created_at;
085     }
086     public Timestamp getUpdated_at() {
087         return updated_at;
088     }
089     public void setUpdated_at(Timestamp updated_at) {
090         this.updated_at = updated_at;
091     }
092     public double getMedia() {
093         return media;
094     }

```

```

095
096     public void setMedia(double media) {
097         this.media = media;
098     }
099 }

```

Clase org.software.product/ProductList.java

```

001 package org.software.product;
002
003 import java.util.List;
004 import javax.xml.bind.annotation.XmlElement;
005 import javax.xml.bind.annotation.XmlRootElement;
006
007 @XmlRootElement(name = "products")
008 public class ProductList {
009     private List<Product> items;
010
011     public ProductList() {
012     }
013
014     public ProductList(List<Product> items) {
015         this.items = items;
016     }
017
018     @XmlElement(name = "data")
019     public List<Product> getItems() {
020         return items;
021     }
022 }

```

Clase org.software.product.ProductService.java

```

001 package org.software.product;
002
003 import java.sql.Connection;
004 import java.sql.ResultSet;
005 import java.sql.Statement;
006 import java.util.ArrayList;
007
008 import javax.ws.rs.GET;
009 import javax.ws.rs.Path;
010 import javax.ws.rs.PathParam;
011 import javax.ws.rs.Produces;
012
013 import org.software.util.DataBase;
014
015 @Path("/product")
016 public class ProductService {
017
018     @GET
019     @Path("/list/{category_id}")
020     @Produces("application/json")
021     // @Produces("application/xml")
022     public ProductList getProductos(
023         @PathParam(value = "category_id") int category_id) {
024         ArrayList productList = new ArrayList();

```

```

025
026 //int category_id = 1;
027
028 DataBase database = new DataBase();
029 Connection conexion1 = null;
030 Statement sentencial = null;
031 ResultSet rs1 = null;
032 String sql = "";
033 try {
034     conexion1 = database.getConnection("guest");
035     sentencial = conexion1.createStatement();
036     sql = "select * from products where category_id = " + category_id;
037     rs1 = sentencial.executeQuery(sql);
038     while (rs1.next()) {
039         long id = rs1.getInt("id");
040         String name = rs1.getString("name");
041         double pricing = rs1.getDouble("pricing");
042         String short_description = rs1.getString("short_description");
043         String icon = rs1.getString("icon");
044
045         Product product = new Product();
046         product.setId(id);
047         product.setName(name);
048         product.setPricing(pricing);
049         product.setShort_description(short_description);
050         product.setIcon(icon);
051         productList.add(product);
052     }
053 } catch (Exception e) {
054     System.out.println("Error: " + e.toString());
055 }
056 finally {
057     database.closeObject(rs1);
058     database.closeObject(sentencial);
059     database.closeObject(conexion1);
060 }
061
062 return new ProductList(productList);
063 }
064
065 @GET
066 @Path("/{product_id}")
067 @Produces("application/json")
068 public ProductList getProductById(
069     @PathParam(value = "product_id") int product_id) {
070     ArrayList productList = new ArrayList();
071
072     DataBase database = new DataBase();
073     Connection conexion1 = null;
074     Statement sentencial = null;
075     ResultSet rs1 = null;
076     String sql = "";
077     try {
078         conexion1 = database.getConnection("guest");
079         sentencial = conexion1.createStatement();
080
081         double media = 0;
082         sql = "select avg(rating) as media from reviews";
083         sql = sql + " where product_id = " + product_id;
084         rs1 = sentencial.executeQuery(sql);
085

```

```

086         if (rs1.next()) {
087             media = rs1.getDouble("media");
088         }
089
090         sql = "select * from products where id = " + product_id;
091         rs1 = sentencial.executeQuery(sql);
092         while (rs1.next()) {
093             long id = rs1.getLong("id");
094             int category_id = rs1.getInt("category_id");
095             String name = rs1.getString("name");
096             double pricing = rs1.getDouble("pricing");
097             String short_description = rs1.getString("short_description");
098             String long_description = rs1.getString("long_description");
099             String icon = rs1.getString("icon");
100
101             Product product = new Product();
102             product.setId(id);
103             product.setCategory_id(category_id);
104             product.setName(name);
105             product.setPricing(pricing);
106             product.setShort_description(short_description);
107             product.setLong_description(long_description);
108             product.setIcon(icon);
109             product.setMedia(media);
110
111             productList.add(product);
112         }
113     } catch (Exception e) {
114         System.out.println("Error: " + e.toString());
115     }
116     finally {
117         database.closeObject(rs1);
118         database.closeObject(sentencial);
119         database.closeObject(conexion1);
120     }
121     return new ProductList(productList);
122 }
123 }

```

Clase org.software.cart.Item.java

```

001 package org.software.cart;
002
003 public class Item {
004     long id;
005     long product_id;
006     String product_icon;
007     String product_name;
008     String product_description;
009     double price;
010     double quantity;
011     long coupon;
012
013     public long getId() {
014         return id;
015     }
016     public void setId(long id) {
017         this.id = id;

```

```

018     }
019     public long getProduct_id() {
020         return product_id;
021     }
022     public void setProduct_id(long product_id) {
023         this.product_id = product_id;
024     }
025     public String getProduct_icon() {
026         return product_icon;
027     }
028     public void setProduct_icon(String product_icon) {
029         this.product_icon = product_icon;
030     }
031     public String getProduct_name() {
032         return product_name;
033     }
034     public void setProduct_name(String product_name) {
035         this.product_name = product_name;
036     }
037     public String getProduct_description() {
038         return product_description;
039     }
040     public void setProduct_description(String product_description) {
041         this.product_description = product_description;
042     }
043     public double getPrice() {
044         return price;
045     }
046     public void setPrice(double price) {
047         this.price = price;
048     }
049     public double getQuantity() {
050         return quantity;
051     }
052     public void setQuantity(double quantity) {
053         this.quantity = quantity;
054     }
055     public long getCoupon() {
056         return coupon;
057     }
058     public void setCoupon(long coupon) {
059         this.coupon = coupon;
060     }
061 }

```

Clase org.software.cart.ItemList.java

```

001 package org.software.cart;
002
003 import java.util.List;
004 import javax.xml.bind.annotation.XmlElement;
005 import javax.xml.bind.annotation.XmlRootElement;
006
007 @XmlRootElement(name = "listing")
008 public class ItemList {
009     private List<Item> items;
010
011     public ItemList() {
012     }
013 }

```

```

014
015     public ItemList(List<Item> items) {
016         this.items = items;
017     }
018
019     @XmlElement(name = "data")
020     public List<Item> getItems() {
021         return items;
022     }
023 }

```

Clase org.software.cart.ItemService.java

```

001 package org.software.cart;
002
003 import java.io.StringReader;
004 import java.sql.Connection;
005 import java.sql.PreparedStatement;
006 import java.sql.ResultSet;
007 import java.sql.Statement;
007 import java.util.ArrayList;
008
009 import javax.json.Json;
010 import javax.json.JsonArray;
011 import javax.json.JsonArrayBuilder;
012 import javax.json.JsonBuilderFactory;
013 import javax.json.JsonObject;
014 import javax.json.JsonObjectBuilder;
015 import javax.json.JsonReader;
016 import javax.servlet.http.HttpServletRequest;
017 import javax.servlet.http.HttpSession;
018 import javax.ws.rs.Consumes;
019 import javax.ws.rs.GET;
020 import javax.ws.rs.POST;
021 import javax.ws.rs.Path;
022 import javax.ws.rs.PathParam;
023 import javax.ws.rs.Produces;
024 import javax.ws.rs.core.Context;
025 import javax.ws.rs.core.Response;
026
027 import org.software.util.DataBase;
028
029 @Path("/cart")
030 public class ItemService {
031
032     @GET
033     @Path("/items")
034     @Produces("application/json")
035     public Response getItemsCount(@Context HttpServletRequest request) {
036         HttpSession session = request.getSession();
037         ArrayList cart = (ArrayList) session.getAttribute("cart");
038
039         if (cart == null) {
040             cart = new ArrayList();
041         }
042
043         long items = cart.size();
044         String result = "{\"items\":\"" + items + "\"}";
045         return Response.status(201).entity(result).build();

```



```

046     }
047
048     @POST
049     @Path("/update")
050     @Produces("application/json")
051     // @Consumes("application/json")
052     public Response updateItems(
053         @Context HttpServletRequest request, String data) {
054
055         JsonReader reader = Json.createReader(new StringReader(data));
056         JsonObject jsonObject = reader.readObject();
057         JsonArray jArray = jsonObject.getJsonArray("data");
058
059         if (jArray.size() == 0) {
060             }
061
062         HttpSession session = request.getSession();
063         ArrayList cart = (ArrayList) session.getAttribute("cart");
064
065         if (cart == null) {
066             cart = new ArrayList();
067         }
068
069         for (int i = 0; i < jArray.size(); i++) {
070             JsonObject o = jArray.get(i).asJsonObject();
071
072             int product_id = o.getInt("product_id");
073             double quantity = (double) o.getInt("quantity");
074
075             Item item = (Item) cart.get(i);
076             item.setQuantity(quantity);
077             cart.set(i, item);
078         }
079
080         session.setAttribute("cart", cart);
081
082         for (int i = 0; i < cart.size(); i = i + 1) {
083             Item item = (Item) cart.get(i);
084             long id = item.getProduct_id();
085             double qty = item.getQuantity();
086             System.out.println(id + "," + qty);
087         }
088
089         long items = cart.size();
090         String result = "{\"items\": " + items + "}";
091         return Response.status(201).entity(result).build();
092     }
093
094     @GET
095     @Path("/add/{product_id}")
096     @Produces("application/json")
097     public Response addItem(@Context HttpServletRequest request,
098         @PathParam(value = "product_id") int product_id) {
099         HttpSession session = request.getSession();
100         ArrayList cart = (ArrayList) session.getAttribute("cart");
101
102         if (cart == null) {
103             cart = new ArrayList();
104         }
105
106         for (int i = 0; i < cart.size(); i = i + 1) {

```

```

107         Item item = (Item) cart.get(i);
108         long id = item.getProduct_id();
109
110         if (id == product_id) {
111             long items = cart.size();
112             String result = "{\"items\": " + items + "}";
113             return Response.status(401).entity(result).build();
114         }
115     }
116
117     Item item = new Item();
118     item.setProduct_id(product_id);
119     item.setQuantity(1);
120
121     DataBase database = new DataBase();
122     Connection conexion1 = null;
123     Statement sentencial = null;
124     ResultSet rs1 = null;
125     String sql = "";
126     try {
127         conexion1 = database.getConnection("guest");
128         sentencial = conexion1.createStatement();
129         sql = "select * from products where id = " + product_id;
130         rs1 = sentencial.executeQuery(sql);
131
132         if (rs1.next()) {
133             // long id = rs1.getInt("id");
134             String name = rs1.getString("name");
135             String short_description = rs1.getString("short_description");
136             double pricing = rs1.getDouble("pricing");
137             String icon = rs1.getString("icon");
138
139             item.setProduct_name(name);
140             item.setProduct_description(short_description);
141             item.setPrice(pricing);
142             item.setProduct_icon(icon);
143         }
144     } catch (Exception e) {
145         System.out.println("Error: " + e.toString());
146     } finally {
147         database.closeObject(rs1);
148         database.closeObject(sentencial);
149         database.closeObject(conexion1);
150     }
151
152     cart.add(item);
153
154     session.setAttribute("cart", cart);
155
156     long items = cart.size();
157     String result = "{\"items\": " + items + "}";
158     return Response.status(201).entity(result).build();
159 }
160
161 @GET
162 @Path("/del/{product_id}")
163 @Produces("application/json")
164 public Response delItem(@Context HttpServletRequest request,
165     @PathParam(value = "product_id") int product_id) {
166     HttpSession session = request.getSession();

```

```

159     ArrayList cart = (ArrayList) session.getAttribute("cart");
160
161     if (cart == null) {
162         cart = new ArrayList();
163     }
164
165     for (int i = 0; i < cart.size(); i = i + 1) {
166         Item item = (Item) cart.get(i);
167         long id = item.getProduct_id();
168
169         if (id == product_id) {
170             cart.remove(i);
171         }
172     }
173
174     session.setAttribute("cart", cart);
175
176     long items = cart.size();
177     String result = "{\\"items\":" + items + "}";
178     return Response.status(201).entity(result).build();
179 }
180
181 @GET
182 @Path("/list")
183 @Produces("application/json")
184 public ItemList getItems(@Context HttpServletRequest request) {
185     ArrayList<Item> cart = new ArrayList<Item>();
186
187     HttpSession session = request.getSession();
188
189     cart = (ArrayList<Item>) session.getAttribute("cart");
190
191     if (cart == null) {
192         cart = new ArrayList<Item>();
193     }
194     return new ItemList(cart);
195 }
196
197 }

```

Archivo cart/index.jsp

```

001 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
002     pageEncoding="ISO-8859-1"%>
003 <!DOCTYPE html>
004 <html lang="en">
005 <head>
006     <meta charset="utf-8">
007     <meta name="viewport"
008         content="width=device-width, initial-scale=1, shrink-to-fit=no">
009     <meta name="description" content="">
010     <meta name="author" content="">
011
012     <title>Shop Homepage - Start Bootstrap Template</title>
013
014     <!-- Bootstrap core CSS -->
015     <link rel="stylesheet"
016 href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
017

```

```

018 <!-- Custom styles for this template -->
019 <link href="../../css/shop-homepage.css" rel="stylesheet">
020
021 <link href="../../css/cart.css" rel="stylesheet">
022 </head>
023
024 <body>
025 <!-- Navigation -->
026 <jsp:include page="../../portal/menu.jsp"></jsp:include>
027
028 <!-- Page Content -->
029 <script src="https://use.fontawesome.com/c560c025cf.js"></script>
030 <br/>
031 <div class="container">
032 <div class="card shopping-cart">
033 <div class="card-header bg-dark text-light">
034 <i class="fa fa-shopping-cart" aria-hidden="true"></i>
035 Shopping cart
036 <a href=".." class="btn btn-outline-info btn-sm pull-right">
037 Continue shopping
038 </a>
039 <div class="clearfix"></div>
040 </div>
041 <div id="div_items" class="card-body">
042 <div class="pull-right">
043 <a href="" class="btn btn-outline-secondary pull-right">
044 Update shopping cart
045 </a>
046 </div>
047 </div>
048 <div class="card-footer">
049 <div class="coupon col-md-5 col-sm-5 no-padding-left pull-left">
050 <div class="row">
051 <div class="col-6">
052 <input type="text" class="form-control"
053 placeholder="cupone code">
054 </div>
055 <div class="col-6">
056 <input type="submit" class="btn btn-default"
057 value="Use cupone">
058 </div>
059 </div>
060 </div>
061 <div class="pull-right" style="margin: 10px">
062 <a href="javascript:checkout();" id="checkout"
063 class="btn btn-success pull-right">Checkout</a>
064 <div class="pull-right" style="margin: 5px">
065 Total price: <b id="total">$0.00</b>
066 </div>
067 </div>
068 </div>
069 </div>
070 </div>
071
072 <br/>
073 <br/>
074
075 <!-- Footer -->
076 <jsp:include page="../../portal/footer.jsp"></jsp:include>
077
078 <!-- Bootstrap core JavaScript -->

```

```

079 <script src="https://code.jquery.com/jquery-3.3.1.js"></script>
080 <script
081     src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js">
082 </script>
083
084 <script src="../js/portal.js"></script>
085 <script src="../js/cart.js"></script>
086
087 <script>
088     $(document).ready(function(){
089         getItems();
090         updateItemsCount();
091     });
092 </script>
093
094 </body>
095 </html>

```

Archivo css/cart.css

```

001 .quantity {
002     float: left;
003     margin-right: 15px;
004     background-color: #eee;
005     position: relative;
006     width: 80px;
007     overflow: hidden
008 }
009
010 .quantity input {
011     margin: 0;
012     text-align: center;
013     width: 15px;
014     height: 15px;
015     padding: 0;
016     float: right;
017     color: #000;
018     font-size: 20px;
019     border: 0;
020     outline: 0;
021     background-color: #F6F6F6
022 }
023
024 .quantity input.qty {
025     position: relative;
026     border: 0;
027     width: 100%;
028     height: 40px;
029     padding: 10px 25px 10px 10px;
030     text-align: center;
031     font-weight: 400;
032     font-size: 15px;
033     border-radius: 0;
034     background-clip: padding-box;
035 }
036
037 .quantity .minus, .quantity .plus {
038     line-height: 0;
039     background-clip: padding-box;

```

```
040     -webkit-border-radius: 0;
041     -moz-border-radius: 0;
042     border-radius: 0;
043     -webkit-background-size: 6px 30px;
044     -moz-background-size: 6px 30px;
045     color: #bbb;
046     font-size: 20px;
047     position: absolute;
048     height: 50%;
049     border: 0;
050     right: 0;
051     padding: 0;
052     width: 25px;
053     z-index: 3;
054 }
055
056 .quantity .minus:hover, .quantity .plus:hover {
057     background-color: #dad8da;
058 }
059
060 .quantity .minus {
061     bottom: 0;
062 }
063 .shopping-cart {
064     margin-top: 60px;
065 }
```

Archivo css/shop-item.css

```
001  /*!
002   * Start Bootstrap - Shop Item (https://startbootstrap.com/template-overviews/shop-
003   item)
004   * Copyright 2013-2017 Start Bootstrap
005   * Licensed under MIT
006   (https://github.com/BlackrockDigital/startbootstrap-shop-item/blob/master/LICENSE)
007   */
008
009  body {
010    padding-top: 54px;
011  }
012
013  @media (min-width: 992px) {
014    body {
015      padding-top: 56px;
016    }
017  }
```

Archivo js/portal.js

```
001  function getCategories(category_id) {
002    $.getJSON("../ws/portal/categories", function(result) {
003      data = result.data;
004      $("#div_categories").empty();
005      for (var row = 0; row < data.length; row = row + 1) {
006        var id = data[row].id;
007        var name = data[row].name;
008        var published = data[row].published;
009        var icon = data[row].icon;
010        var item_class = "list-group-item";
011        if (id == category_id) {
012          item_class = "list-group-item active";
013        }
014        $("#div_categories").append(
015          "<a href='javascript:getProducts(" + id
016            + ")';' id='category_" + id + "' class='"
017            + item_class + "'>" + name + "</a>");
018      }
019    });
020  }
021  function getProducts(category_id) {
022    $(".list-group-item").removeClass('active').addClass('');
023    $("#category_" + category_id).addClass('active');
024    $.getJSON("../ws/portal/products/" + category_id, function(result) {
025      data = result.data;
026      $("#div_products").empty();
027      for (var row = 0; row < data.length; row = row + 1) {
028        var id = data[row].id;
029        var name = data[row].name;
030        var published = data[row].published;
031        var icon = data[row].icon;
032        var pricing = data[row].pricing;
033        var short_description = data[row].short_description;
034        var url = "../item/index.jsp?id=" + id;
035        var item = '<div class="col-lg-4 col-md-6 mb-4">';
036        item += '<div class="card h-100">';
```

```

036         item += '<a id="link_title" href="' + url + '">';
037         item += '';
039         item += '</a>';
040         item += '<div class="card-body">';
041         item += '<h4 class="card-title">';
042         item += '<a href="' + url + '">' + name + '</a>';
043         item += '</h4>';
044         item += '<h5>$' + pricing + '</h5>';
045         item += '<p class="card-text">' + short_description + '</p>';
046
047         item += '<a href="javascript:addToCart(' + id + ');"
048         class="btn btn-info" role="button">Buy</a>';
049
050         item += '</div>';
051         item += '<div class="card-footer">';
052         item += '<small class="text-muted">';
053         item += '&#9733; &#9733; &#9733; &#9733;&#9734;';
054         item += '</small>';
055         item += '</div>';
056         item += '</div>';
057         item += '</div>';
058         $("#div_products").append(item);
059     }
060 });
061 }
062
063 function updateItemsCount(){
064     $.getJSON("../ws/cart/items", function(json) {
065         var items = json.items;
066         $("#shopping_cart").text(items);
067     });
068 }
069
070 function addToCart(product_id){
071     $.getJSON("../ws/cart/add/" + product_id, function(json) {
072         var items = json.items;
073         $("#shopping_cart").text(items);
074     });
075 }

```

Archivo js/cart.js

```

001 var data;
002 function getItems(){
003     $.getJSON("../ws/cart/list", function(result){
004         data = result.data;
005         $('#div_items').empty();
006         var total = 0;
007         for(var row=0; row<data.length; row=row+1){
008             var product_id = data[row].product_id;
009             var name = data[row].product_name;
010             var pricing = data[row].price;
011             var short_description = data[row].product_description;
012             var icon = data[row].product_icon;
013             var quantity = data[row].quantity;
014
015             total = total + pricing * quantity;
016

```



```

017     var dp = '';
018     dp += '<div id="row_' + product_id + '" class="row">';
019     dp += '<div class="col-12 col-sm-12 col-md-2 text-center">';
020     dp += '';
022     dp += '</div>';
023     dp += '<div
024           class="col-12 text-sm-center col-sm-12 text-md-left col-md-6">';
025     dp += '<h4 class="product-name"><strong>' + name + '</strong></h4>';
026     dp += '<h4>';
027     dp += '<small>' + short_description + '</small>';
028     dp += '</h4>';
029     dp += '</div>';
030     dp += '<div
031           class="col-12 col-sm-12 text-sm-center col-md-4 text-md-right row">';
032     dp += '<div
033           class="col-3 col-sm-3 col-md-6 text-md-right"
034           style="padding-top: 5px">';
035     dp += '<h6><strong>' + pricing.toFixed(2)
036           + ' <span class="text-muted">x</span></strong></h6>';
037     dp += '</div>';
038     dp += '<div class="col-4 col-sm-4 col-md-4">';
039     dp += '<div class="quantity">';
040     dp += '<input type="button" value="+" class="plus">';
041     dp += '<input type="number" step="1" max="99" min="1"
042           value="" + quantity + '" title="Qty" class="qty" size="4">';
043     dp += '<input type="button" value="-" class="minus">';
044     dp += '</div>';
045     dp += '</div>';
046     dp += '<div class="col-2 col-sm-2 col-md-2 text-right">';
047     dp += '<a class="nav-link"
048           href="javascript:removeItem(' + product_id + ');">';
049     dp += '<button type="button" class="btn btn-outline-danger btn-xs">';
050     dp += '<i class="fa fa-trash" aria-hidden="true"></i>';
051     dp += '</button>';
052     dp += '</a>';
053     dp += '</div>';
054     dp += '</div>';
055     dp += '</div>';
056     dp += '<hr>';
057
058     $("#div_items").append(dp);
059 }
060
061 $("#total").empty();
062 $("#total").append("$" + total.toFixed(2));
063
064 var ub = '';
065 ub += '<div class="pull-right">';
066 ub += '<a href="javascript:updateCart();"
067       class="btn btn-outline-secondary pull-right">';
068 ub += 'Update shopping cart';
069 ub += '</a>';
070 ub += '</div>';
071 $("#div_items").append(ub);
072 });
073 }
074
075 function removeItem(product_id){
076     for(var row=0; row<data.length; row=row+1){
077         if(data[row].product_id == product_id){

```

```

078         data.splice(row, 1);
079     }
080 }
081 $.getJSON("../ws/cart/del/" + product_id, function(result){
082     getItems();
083     updateItemsCount();
084 });
085 }
086
087 function updateCart(){
088     var allListElements = $(".qty").get();
089     var text = '';
090     var separator = '';
091     for(var i=0; i<allListElements.length; i=i+1){
092         var product_id = data[i].product_id;
093         var quantity = allListElements[i].value;
094         text += separator + '{"product_id":"' + product_id + ', "quantity":'
095             + quantity + '}'
096         separator = ',';
097     }
098
099     text = '{"data":[' + text + ']}';
100     var posting = $.post("../ws/cart/update/", text);
101
102     // Put the results in a div
103     posting.done(function(result) {
104         var total = 0;
105         for(var i=0; i<allListElements.length; i=i+1){
106             var id = data[i].product_id;
107             var pricing = data[i].price;
108             var quantity = allListElements[i].value;
109             total = total + pricing * quantity;
110         }
111         $('#total').empty();
112         $('#total').append("$" + total.toFixed(2));
113     });
114 }
115
116 function checkout(){
117     $.getJSON("../ws/cart/checkout", function(result){
118         $('#checkout').addClass("disabled");
119         updateItemsCount();
120     });
121 }
122 }

```

Archivo js/item.js

```

001 function getCategoryList(){
002     $.getJSON("../ws/portal/categories", function(result){
003         data = result.data;
004         for(var row=0; row<data.length; row=row+1){
005             var id = data[row].id;
006             var name = data[row].name;
007             var item_class = "list-group-item";
008             $("#div_categories").append(
009                 "<a href='../home/?id=" + id
010                 + "' id='category_" + id + "' class='"
011                 + item_class + ">" + name + "</a>");

```

```

012     }
013   });
014 }
015 function getProductById(product_id){
016   $.getJSON("../ws/product/" + product_id, function(result){
017     data = result.data;
018     for(var row=0; row<data.length; row=row+1){
019       var id = data[row].id;
020       var category_id = data[row].category_id;
021       var name = data[row].name;
022       var pricing = data[row].pricing;
023       var short_description = data[row].short_description;
024       var long_description = data[row].long_description;
025       var icon = data[row].icon;
026       var media = data[row].media;
027
028       $("#product_image").attr('src','../fotos/' + icon);
029       $("#product_name").text(name);
030       $("#product_price").text('$ ' + pricing.toFixed(2));
031       $("#product_description").text(long_description);
032
033       $('#product_rating').rateit('value', media.toFixed(1));
034       $('#starts').text(media.toFixed(1) + " starts");
035
036       $('.list-group-item').removeClass('active').addClass('');
037       $("#category_" + category_id).addClass('active');
038     }
039   });
040 }
041 }
042
043 function getReviews(product_id){
044   $.getJSON("../ws/review/list/" + product_id, function(result){
045     data = result.data;
046     $('#div_reviews').empty();
047     for(var row=0; row<data.length; row=row+1){
048       var id = data[row].id;
049       var username = data[row].username;
050       var comment = data[row].comment;
051       var created_at = data[row].created_at;
052       var created_at_text = data[row].created_at_text;
053
054       var review = '';
055       review += '<hr>';
056       review += '<p>' + comment + '</p>';
057       review += '<small class="text-muted">Posted by '
058       + username + ' on ' + created_at_text + '</small>';
059
060       $("#div_reviews").append(review);
061     }
062   });
063 }
064
065 function addReview(product_id){
066   var rating = $('#rating').rateit('value');
067   var comment = document.getElementById("comment").value;
068
069   $.ajax({
070     'url': '../ws/review/add',
071     'method': 'POST',
072     'dataType': 'json',

```

```

071     'contentType': 'application/json',
072     'data': JSON.stringify({
073         "product_id": product_id,
074         "rating": rating,
075         "comment": comment
076     }),
077     'success': function(data){
078         $('#rating').rateit('value', 0.0);
079         $('#rating_value').text('0.0');
080         document.getElementById("comment").value = "";
081         $('#collapseComment').collapse('hide');
082
083         getReviews(product_id);
084         getProductById(product_id);
085
086         $('#div_review_response').empty();
087         var at = '<div class="alert alert-success" role="alert">';
088         at += '<button type="button" class="close" '
089             data-dismiss="alert" aria-label="Close">';
090         at += '<span aria-hidden="true">&times;</span></button>';
091         at += '<strong>Success!</strong> ' + data.message + '!';
092         at += '</div>';
093         $('#div_review_response').append(at);
094
095         window.setTimeout(function() {
096             $(".alert").fadeTo(500, 0).slideUp(500, function(){
097                 $(this).remove();
098             });
099         }, 4000);
100     },
101     'failure': function(errMsg) {
102         alert(errMsg);
103     }
104 });
105 }
106
107 function configureRating(){
108     $("#rating").bind('rated', function (event, value) {
109         $('#rating_value').text(value.toFixed(1));
110     });
111
112     $("#rating").bind('reset', function () {
113         $('#rating_value').text('0.0');
114     });
115
116     $("#rating").bind('over', function (event, value) {
117         if (value != null){
118             $('#rating_value').text(value.toFixed(1));
119         }
120         else {
121             $('#rating_value').text($('#rating').rateit('value').toFixed(1));
122         }
123     });
124 }

```

Archivo portal/menu.jsp

```
001 <%
002     String username = "";
003     try {
004         username = request.getUserPrincipal().getName();
005     } catch (Exception e) {
006         username = "";
007     }
008 %>
009 <!-- Navigation -->
010 <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
011     <div class="container">
012         <a class="navbar-brand" href="..">Start Bootstrap</a>
013         <button class="navbar-toggler" type="button" data-toggle="collapse"
014             data-target="#navbarResponsive" aria-controls="navbarResponsive"
015             aria-expanded="false" aria-label="Toggle navigation">
016             <span class="navbar-toggler-icon"></span>
017         </button>
018         <div class="collapse navbar-collapse" id="navbarResponsive">
019             <ul class="navbar-nav ml-auto">
020                 <li class="nav-item active">
021                     <a class="nav-link" href="..">Home
022                     <span class="sr-only"> (current)</span>
023                     </a>
024                 </li>
025                 <li class="nav-item"><a class="nav-link"
026                     href=" ../order/">Orders</a></li>
027                 <li class="nav-item"><a class="nav-link"
028                     href=" ../category/">Category</a></li>
029                 <li class="nav-item"><a class="nav-link"
030                     href=" ../cart/">
031                     <button type="button" class="btn btn-primary">
032                         Shopping Cart
033                         <span id="shopping_cart" class="badge badge-light">0</span>
034                     </button>
035                 </a></li>
036                 <%
037                     if (username.length() == 0) {+
038                 <%
039                 <li class="nav-item"><a class="nav-link" href=" ../user/">
040                     <button type="button" class="btn btn-success">Login</button>
041                 </a></li>
042                 <%
043                     }
044                 <%
045                 <%
046                     if (username.length() > 0) {
047                 <%
048                 <li class="nav-item">
049                     <div class="btn-group nav-link" role="group">
050                         <button id="btnGroupDrop1" type="button"
051                             class="btn btn-primary dropdown-toggle"
052                             data-toggle="dropdown"
053                             aria-haspopup="true" aria-expanded="false">
054                             <%=username%>
055                         </button>
056                         <div class="dropdown-menu" aria-labelledby="btnGroupDrop1">
057                             <a class="dropdown-item" href=" ../user/">
058                                 Control Panel</a>
059
```

```

060         <a class="dropdown-item" href="../purchase/">
061             Purchases</a>
062         <a class="dropdown-item" href="../Logout">
063             Logout</a>
064     </div>
065 </div>
066 </li>
067 <%
068     }
069 %>
070 </ul>
071 </div>
072 </div>
073 </nav>
074
075 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
076 <script src="https://code.jquery.com/jquery-3.3.1.js"></script>
077
078 <script src="../js/portal.js" type="text/javascript"></script>
079 <script type="text/javascript">
080     updateItemsCount();
081 </script>

```

Archivo item/index.jsp

```

001 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
002     pageEncoding="ISO-8859-1"%>
003 <%
004     String product_id = request.getParameter("id");
005 %>
006 <!DOCTYPE html>
007 <html lang="en">
008 <head>
009     <meta charset="utf-8">
010     <meta name="viewport"
011         content="width=device-width, initial-scale=1, shrink-to-fit=no">
012     <meta name="description" content="">
013     <meta name="author" content="">
014
015     <title>Shop Item - Start Bootstrap Template</title>
016
017     <!-- Bootstrap core CSS -->
018     <!--
019     <link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
020     -->
021     <link rel="stylesheet"
022         href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
023
024     <!-- Custom styles for this template -->
025     <link href="../css/shop-item.css" rel="stylesheet">
026
027     <script src="../js/webfont.js"></script>
028     <link href="../css/rateit.css" rel="stylesheet" type="text/css">
029 </head>
030
031 <body>
032     <!-- Navigation -->
033     <jsp:include page="../portal/menu.jsp"></jsp:include>
034

```

```

035 <!-- Page Content -->
036 <div class="container">
037
038     <div class="row">
039         <div class="col-lg-3">
040             <h1 class="my-4">Shop Name</h1>
041             <div class="list-group" id="div_categories"></div>
042         </div>
043         <!-- /.col-lg-3 -->
044         <div class="col-lg-9">
045             <div class="card mt-4" id="div_product">
046                 <img class="card-img-top img-fluid" id="product_image"
047                     src="" alt="">
048                 <div class="card-body">
049                     <h3 class="card-title" id="product_name"></h3>
050                     <h4 id="product_price"></h4>
051                     <p class="card-text" id="product_description"></p>
052                     <a href="javascript:addToCart(<%= product_id %>)"
053                         class="btn btn-info" role="button">Buy</a>
054                     <br/><br/>
055                 </div>
056                 <span class="rateit" id="product_rating"
057                     data-rateit-readonly="true"></span>
058                 <span id="starts"></span>
059             </div>
060         </div>
061     </div>
062     <!-- /.card -->
063
064     <div class="card card-outline-secondary my-4">
065         <div class="card-header">Product Reviews</div>
066         <div class="card-body" id="div_reviews2">
067             <p>
068                 <a class="btn btn-success float-right"
069                     data-toggle="collapse"
070                     href="#collapseComment" role="button"
071                     aria-expanded="false"
072                     aria-controls="collapseComment"> Leave a Review </a>
073             </p>
074             <div class="clearfix"></div>
075             <div id="div_review_response"></div>
076
077             <div class="collapse" id="collapseComment">
078                 <br />
079                 <div class="card card-body">
080                     <form>
081                         <div class="form-group">
082                             <label for="comment">Comment</label>
083                             <textarea class="form-control" id="comment" rows="3">
084                             </textarea>
085                         </div>
086                         <div class="form-group">
087                             <label for="rating">Rating</label>
088                             <div>
089                                 <span class="rateit" id="rating"
090                                     data-rateit-step="0.1"
091                                     data-rateit-min="0"
092                                     data-rateit-max="5"></span>
093                                 <span id="rating_value"></span>
094                             </div>

```

```

095         </div>
096         <a href="javascript:addReview(<%=product_id%>);"
097           class="btn btn-info float-right" role="button">
098             Save</a>
099       </form>
100     </div>
101   </div>
102
103   <div id="div_reviews"></div>
104
105   </div>
106 </div>
107 <!-- /.card -->
108
109 </div>
110 <!-- /.col-lg-9 -->
111
112 </div>
113
114 </div>
115 <!-- /.container -->
116
117 <!-- Footer -->
118 <jsp:include page="../portal/footer.jsp"></jsp:include>
119
120
121 <!-- Bootstrap core JavaScript -->
122 <script src="https://code.jquery.com/jquery-3.3.1.js"></script>
123
124 <script
125   src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js">
126 </script>
127
128 <script src="../js/jquery.rateit.js" type="text/javascript"></script>
129 <script src="../js/portal.js" type="text/javascript"></script>
130 <script src="../js/item.js" type="text/javascript"></script>
131
132 <script type="text/javascript">
133   $(document).ready(function() {
134     var product_id = <%=product_id%>;
135     getCategoryList();
136     getProductById(product_id);
137     getReviews(product_id);
138     configureRating();
139     updateItemsCount();
140   });
141 </script>
142 </body>
143
144 </html>

```

Archivo home/index.jsp

```

001 <%@ page language="java" contentType="text/html; charset=UTF-8"
002   pageEncoding="UTF-8"%>
003 <%
004   int category_id = 1;
005   try{
006     String id = request.getParameter("id");

```



```

007         category_id = Integer.parseInt(id);
008     }
009     catch(Exception e){
010     }
011 %>
012 <!DOCTYPE html>
013 <html lang="en">
014 <head>
015 <meta charset="utf-8">
016 <meta name="viewport"
017     content="width=device-width, initial-scale=1, shrink-to-fit=no">
018 <meta name="description" content="">
019 <meta name="author" content="">
020 <title>Shop Homepage - Start Bootstrap Template</title>
021 <!-- Bootstrap core CSS -->
022 <link rel="stylesheet"
023     href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
024 <!-- Custom styles for this template -->
025 <link href="../css/shop-homepage.css" rel="stylesheet">
026 </head>
027 <body>
028     <!-- Navigation -->
029     <jsp:include page="../portal/menu.jsp" />
030     <!-- Page Content -->
031     <div class="container">
032         <div class="row">
033             <div class="col-lg-3">
034                 <jsp:include page="../portal/category.jsp" />
035             </div>
036             <!-- /.col-lg-3 -->
037             <div class="col-lg-9">
038                 <jsp:include page="../portal/carousel.jsp" />
039                 <jsp:include page="../portal/products.jsp" />
040             </div>
041             <!-- /.col-lg-9 -->
042         </div>
043         <!-- /.row -->
044     </div>
045     <!-- /.container -->
046     <!-- Footer -->
047     <jsp:include page="../portal/footer.jsp" />
048     <!-- Bootstrap core JavaScript -->
049     <script src="https://code.jquery.com/jquery-3.3.1.js"></script>
050     <script
051         src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js">
052     </script>
053
054     <script src="../js/portal.js"></script>
055     <script type="text/javascript">
056         var category_id = <%= category_id %>;
057         getCategories(category_id);
058         getProducts(category_id);
059         //updateItemsCount();
060     </script>
061 </body>
062 </html>

```

Archivo /index.jsp

001	<%
002	response.sendRedirect("home/");
033	%>