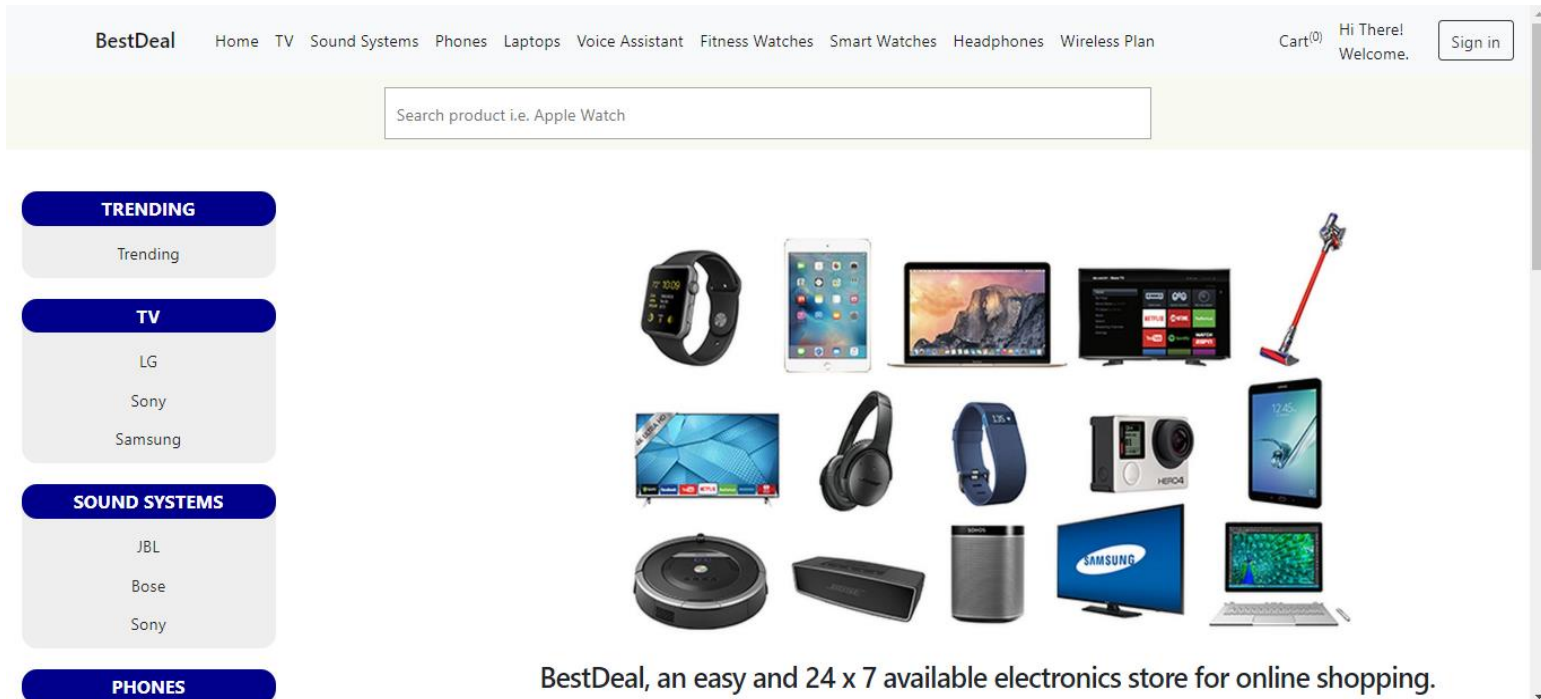


CS-584: Enterprise Web Application

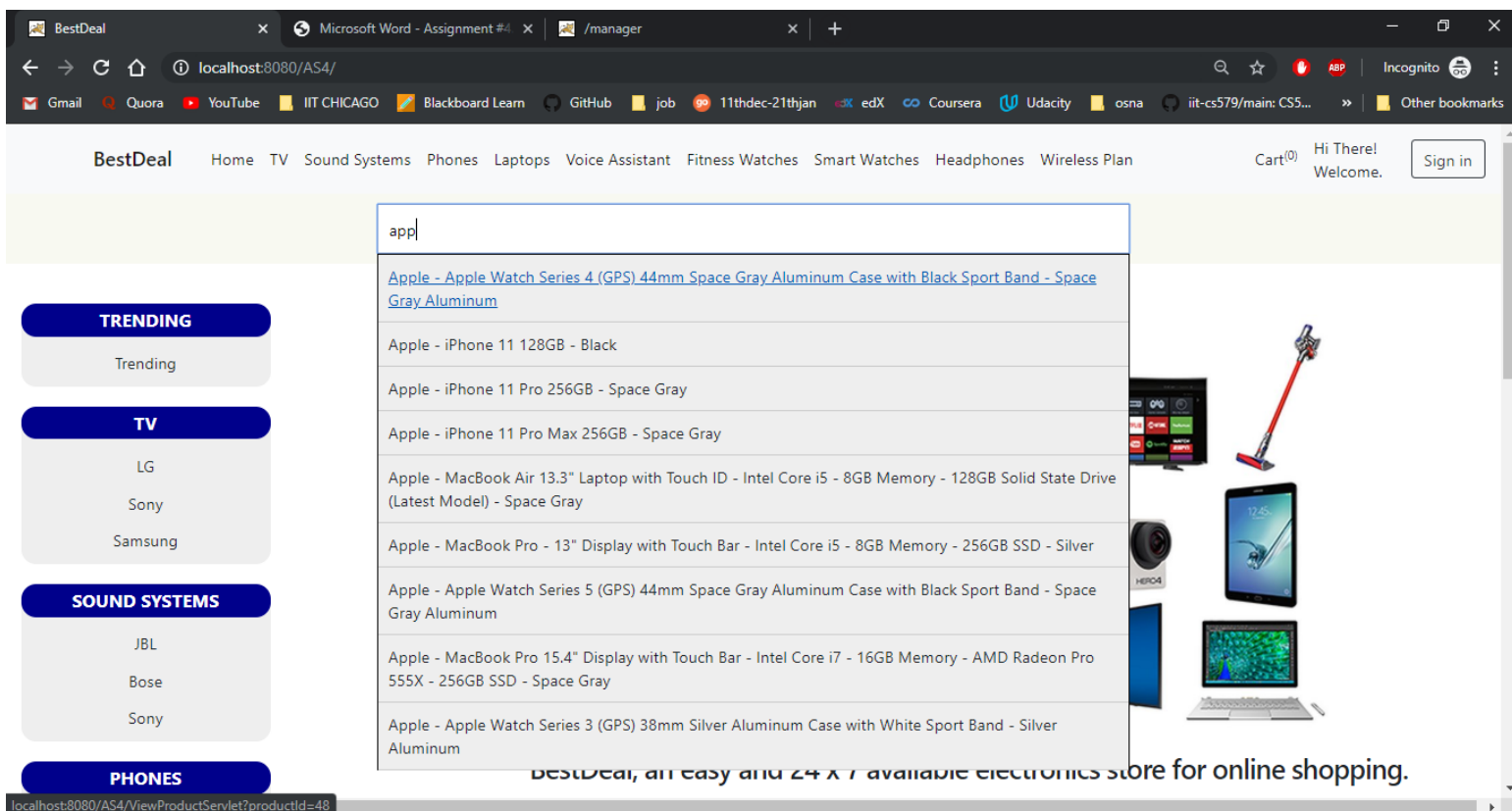
Assignment-4

Name: Parthkumar Patel
CWID: A20416508

1. Home Page with Search Bar



2. Search with autocomplete feature using Ajax



3. Result After clicking on product

BestDeal x Microsoft Word - Assignment #4 x /manager x +

localhost:8080/AS4/ViewProductServlet?productId=48

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BestDeal Home TV Sound Systems Phones Laptops Voice Assistant Fitness Watches Smart Watches Headphones Wireless Plan

Cart(0) Hi There! Welcome. Sign in

Search product i.e. Apple Watch

TRENDING

Trending


TV

LG
Sony
Samsung

SOUND SYSTEMS

JBL
Bose
Sony

PHONES



APPLE - APPLE WATCH SERIES 4 (GPS) 44MM SPACE GRAY ALUMINUM CASE WITH BLACK SPORT BAND - SPACE GRAY ALUMINUM

\$379.0

Add to Cart

Manufacturer: Apple | Condition: New | Discount: 0.0%
Currently Available

Write Review About Product

Retailer Name:

4. Adding product in HashMap and Database

Microsoft Word - Assignment #4 x /manager x BestDeal x +

localhost:8080/AS4/AddProduct

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Search product i.e. Apple Watch

USER CONTROL

Add Product
Update/Delete Product
Inventory Report
Sales Report

TRENDING

Trending

DATA ANALYTICS

Data Analytics on Review

TV

LG
Sony
Samsung

Add Product

62

LG - 86" Class - LED - Nano 9 Series - 2160p - Smart - 4K UHD

2799.99

Image:

Choose File 62.jpg

LG

New

15

23

TV

Add Product

productcatalog x

Limit to 1000 rows

1 • SELECT * FROM bestdeal.productcatalog;

Result Grid

productid	model	price	image	manufacturer	pcondition	discount	quantity	ptype
57	Verizon - Basic	24.99	imagesNew/57.png	Basic	New	0	17	Wirel...
58	Tmobile - Premium	29.99	imagesNew/56.png	Premium	New	0	12	Wirel...
59	Verizon - Premium	34.99	imagesNew/57.png	Premium	New	0	14	Wirel...
60	Tmobile - Ultimate	39.99	imagesNew/56.png	Ultimate	New	0	16	Wirel...
61	Verizon - Ultimate	44.99	imagesNew/57.png	Ultimate	New	0	18	Wirel...
62	LG - 86" Class - LED - Nano 9 Series - 2160p - S...	2799.99	imagesNew/62.jpg	LG	New	15	23	TV
101	Screen Cleaner Kit	19.95	imagesNew/101.jpg	Screenmom	NULL	0	20	Acce...
102	Premium Series Advanced Tilt TV Wall Mount	149.99	imagesNew/102.jpg	Sanus	NULL	0	10	Acce...
103	3-Device Universal Remote	19.99	imagesNew/103.jpg	RCA	NULL	0	9	Acce...
104	4 Pack - LG Cinema 3D Glasses	35.99	imagesNew/104.jpg	LG	NULL	0	8	Acce...
105	Outdoor TV Cover for LCD and LED	23.95	imagesNew/105.jpg	Kolife	NULL	0	7	Acce...
106	PERLESMITH Universal TV Stand	28.99	imagesNew/106.jpg	Perlesmith	NULL	0	9	Acce...
107	Soundbar Wall Bracket - Black	39.99	imagesNew/107.jpg	Bose	NULL	0	8	Acce...
108	Solo 5 Soundbar Wall mount kit - Black	74.00	imagesNew/108.jpg	Bose	NULL	0	10	Acce...

productcatalog 1 x

Apply Revert

5. Updating product in HashMap and Database

localhost:8080/AS4/UpdateProduct?findProduct=true

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USER CONTROL

Add Product

Update/Delete Product

Inventory Report

Sales Report

TRENDING

Trending

DATA ANALYTICS

Data Analytics on Review

TV

LG

Sony

Samsung

SOUND SYSTEMS

JBL

Bose

Sony

PHONES

View Product

62

View

Update Product

62

LG - 86" Class - LED - Nano 9 Series - 2160p - Smart - 4K UHD TV with HDR

2499.99

Image:

imagesNew/62.jpg

LG

New

15.0

23

TV

Update Product Delete Product

productcatalog

Limit to 1000 rows

1 • SELECT * FROM bestdeal.productcatalog;

Result Grid

Filter Rows: Edit: Export/Import: Wrap Cell Content:

	productid	model	price	image	manufacturer	pcondition	discount	quantity	ptype
57		Verizon- Basic	24.99	imagesNew/57.png	Basic	New	0	17	Wirel...
58		Tmobile - Premium	29.99	imagesNew/56.png	Premium	New	0	12	Wirel...
59		Verizon - Premium	34.99	imagesNew/57.png	Premium	New	0	14	Wirel...
60		Tmobile - Ultimate	39.99	imagesNew/56.png	Ultimate	New	0	16	Wirel...
61		Verizon - Ultimate	44.99	imagesNew/57.png	Ultimate	New	0	18	Wirel...
62		LG - 86" Class - LED - Nano 9 Series - 2160p - S...	2499.99	imagesNew/62.jpg	LG	New	15	23	TV
101		Screen Cleaner Kit	19.95	imagesNew/101.jpg	Screenmom	NULL	0	20	Acce...
102		Premium Series Advanced Tilt TV Wall Mount	149.99	imagesNew/102.jpg	Sanus	NULL	0	10	Acce...
103		3-Device Universal Remote	19.99	imagesNew/103.jpg	RCA	NULL	0	9	Acce...
104		4 Pack - LG Cinema 3D Glasses	35.99	imagesNew/104.jpg	LG	NULL	0	8	Acce...
105		Outdoor TV Cover for LCD and LED	23.95	imagesNew/105.jpg	Kolife	NULL	0	7	Acce...
106		PERLESMITH Universal TV Stand	28.99	imagesNew/106.jpg	Perlesmith	NULL	0	9	Acce...
107		Soundbar Wall Bracket - Black	39.99	imagesNew/107.jpg	Bose	NULL	0	8	Acce...
108		Solo 5 Soundbar Wall mount kit - Black	74.99	imagesNew/108.jpg	Bose	NULL	0	10	Acce...

Apply Revert

6. Deleting Product in HashMap and Database

Microsoft Word - Assignment #4 x /manager x BestDeal x

localhost:8080/AS4/UpdateProduct?findProduct=true

Gmail Quora YouTube IIT CHICAGO Blackboard Learn GitHub job 11thdec-21thjan edX Coursera Udacity osna iit-cs579/main: CS5... Other bookmarks

USER CONTROL

Add Product

Update/Delete Product

Inventory Report

Sales Report

TRENDING

Trending

DATA ANALYTICS

Data Analytics on Review

TV

LG

Sony

Samsung

SOUND SYSTEMS

JBL

Bose

Sony

View Product

Product ID

View

Update Product

62

LG - 86" Class - LED - Nano 9 Series - 2160p - Smart - 4K UHD TV with HDR

2499.99

Image:

imagesNew/62.jpg

LG

New

15.0

23

TV

Update Product Delete Product

localhost:8080/AS4/UpdateProduct?DeleteProduct=62

productcatalog x

Limit to 1000 rows

1 • SELECT * FROM bestdeal.productcatalog;

Result Grid

productid	model	price	image	manufacturer	pcondition	discount	quantity	ptype
57	Verizon - Basic	24.99	imagesNew/57.png	Basic	New	0	17	Wirel...
58	Tmobile - Premium	29.99	imagesNew/56.png	Premium	New	0	12	Wirel...
59	Verizon - Premium	34.99	imagesNew/57.png	Premium	New	0	14	Wirel...
60	Tmobile - Ultimate	39.99	imagesNew/56.png	Ultimate	New	0	16	Wirel...
61	Verizon - Ultimate	44.99	imagesNew/57.png	Ultimate	New	0	18	Wirel...
101	Screen Cleaner Kit	19.95	imagesNew/101.jpg	Screenmom	NULL	0	20	Acce...
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103	3-Device Universal Remote	19.99	imagesNew/103.jpg	RCA	NULL	0	9	Acce...
104	4 Pack - LG Cinema 3D Glasses	35.99	imagesNew/104.jpg	LG	NULL	0	8	Acce...
105	Outdoor TV Cover for LCD and LED	23.95	imagesNew/105.jpg	Kolife	NULL	0	7	Acce...
106	PERLESMITH Universal TV Stand	28.99	imagesNew/106.jpg	Perlesmith	NULL	0	9	Acce...
107	Soundbar Wall Bracket - Black	39.99	imagesNew/107.jpg	Bose	NULL	0	8	Acce...
108	Solo 5 Soundbar Wall mount kit - Black	24.99	imagesNew/108.jpg	Bose	NULL	0	10	Acce...
109	Teonnia - 6.3 5mm Mini-Lite DCA Stereo Audio Ca	11.99	imagesNew/109.jpg	Teonnia	NULL	0	11	Acce...

productcatalog 1 x

Output

Apply Revert

7. Code for Adding, Updating and Deleting Products for HashMap

```

94
95 ▼ public static HashMap<String, ArrayList<Product>> retrieveAllProducts() {
96     final String key = "allProducts";
97     productData.put(key, products);
98     return productData;
99 }
100
101 public static void addProduct(Product p) {
102     products.add(p);
103 }
104
105 ▼ public static void updateProduct(Product updateProduct) {
106     for (Product p : products) {
107 ▼         if (p.getProductid() == updateProduct.getProductid()) {
108             p.updateProduct(updateProduct);
109             break;
110         }
111     }
112 }
113
114 ▼ public static void deleteProduct(int id) {
115     ArrayList<Product> updatedCatalog = new ArrayList<Product>();
116 ▼     for (Product p : products) {
117         if (p.getProductid() != id) {
118             updatedCatalog.add(p);
119         }
120     }
121     products = updatedCatalog;
122 }
123
124 ▼ public static void main(String[] args) {
125     SaxParserReader spr = new SaxParserReader(
126         "C:/apache-tomcat-7.0.34/webapps/AS4/webdata/ProductCatalogNew.xml");
127     spr.parseDocument();
128
129     HashMap<String, ArrayList<Product>> prod = SaxParserReader.filterByManufacturer("Phone", "Samsung");
130
131 ▼     for (ArrayList<Product> e : prod.values()) {
132         for (Product p : e) {
133             // System.out.println(p.toString());
134         }
135     }
136 }
137

```