

## Angular Iterations and Conditions

### Shopping.component.ts

```
import { Component, OnInit } from '@angular/core';

@Component({
  selector: 'app-shopping',
  templateUrl: './shopping.component.html',
  styleUrls: ['./shopping.component.css']
})
export class ShoppingComponent {
  categories = ["Select a Category", "Electronics", "Footwear", "Fashion"];
  electronics = ["Select Electronic Product", "JBL Speaker", "Earpods"];
  footwear = ["Select Footwear", "Nike Casuals", "Lee Cooper Boot"];
  fashion = ["Select Fasion Wear", "Shirt", "Jeans"];
  products:string[] = [];

  data = [
    {Name: "JBL Speaker", Price: 4500.55, Photo: "assets/speaker.jpg"},
    {Name: "Earpods", Price: 3500.55, Photo: "assets/earpods.jpg"},
    {Name: "Nike Casuals", Price: 6500.55, Photo: "assets/shoe.jpg"},
    {Name: "Lee Cooper Boot", Price: 5500.55, Photo: "assets/shoe1.jpg"},
    {Name: "Shirt", Price: 1500.55, Photo: "assets/shirt.jpg"},
    {Name: "Jeans", Price: 2500.55, Photo: "assets/jeans.jpg"},
  ];

  selectedCategoryName = "Select a Category";

  CategoryChanged(){
    switch(this.selectedCategoryName) {
      case "Electronics":
```

```

        this.products = this.electronics;

        break;

        case "Footwear":

            this.products = this.footwear;

            break;

        case "Fashion":

            this.products = this.fashion;

            break;

        default:

            this.products = ["Please Select a Category"];

            break;

    }
}

selectedProductName:string = "";

searchedProduct:any = {

    Name: "",

    Price: 0,

    Photo: ""

};

ProductChanged(){

    this.searchedProduct = this.data.find(product=>
product.Name==this.selectedProductName);

}

CartItems:any[] = [];

CartItemsCount = 0;

GetCartItemsCount(){

    this.CartItemsCount = this.CartItems.length;

}

AddToCartClick(){

    this.CartItems.push(this.searchedProduct);

```

```

        alert("Item Added to Your Shopping Cart");
        this.GetCartItemsCount();
    }
    isCartVisible = false;
    ToggleCartDisplay(){
        this.isCartVisible = (this.isCartVisible===false)?true:false;
    }
    RemoveCartItem(index:number){
        let choice = confirm("Are you sure, want to delete?");
        if(choice===true) {
            this.CartItems.splice(index,1);
            this.GetCartItemsCount();
        }
    }
}

```

### **Shopping.component.html**

```

<div class="container-fluid">
    <div class="row">
        <div class="col">
            <h2 class="bg-danger text-white text-center p-2"> <span class="fa fa-shopping-
bag"></span> Amazon Shopping</h2>
        </div>
    </div>
    <div class="row mt-2">
        <div class="col-3">
            <div class="mt-2">
                <label>Select Category</label>
                <div>
                    <select (change)="CategoryChanged()" [(ngModel)]="selectedCategoryName"
class="form-select">

```

```

        <option *ngFor="let item of categories">
            {{item}}
        </option>
    </select>
</div>
</div>
<div class="mt-2">
    <label>Select Product</label>
    <div>
        <select (change)="ProductChanged()" [(ngModel)]="selectedProductName"
class="form-select">
            <option *ngFor="let item of products">
                {{item}}
            </option>
        </select>
    </div>
</div>
<div class="mt-2">
    <label>Product Preview</label>
    <div class="card">
        <div class="card-header text-center">
            <h2>{{searchedProduct.Name}}</h2>
        </div>
        <div class="card-body text-center">
            <img width="200" [src]="searchedProduct.Photo" height="200">
            <p>{{searchedProduct.Price}}</p>
        </div>
        <div class="card-footer">
            <div class="d-grid">
                <button class="btn btn-danger" (click)="AddToCartClick()" >

```

```

        <span class="fa fa-shopping-cart"></span>

        Add to Cart

    </button>

</div>

</div>

</div>

</div>

</div>

<div class="col-6">

    <table *ngIf="isCartVisible" class="table table-hover caption-top">

        <caption>Review Your Cart Items</caption>

        <thead>

            <tr>

                <th>Name</th>

                <th>Price</th>

                <th>Preview</th>

                <th></th>

            </tr>

        </thead>

        <tbody>

            <tr *ngFor="let item of CartItems; let index=index">

                <td>{{item.Name}}</td>

                <td>{{item.Price}}</td>

                <td>

                    <img [src]="item.Photo" width="50" height="50" />

                </td>

                <td>

                    <button class="btn-outline-danger" (click)="RemoveCartItem(index)" >

                        <span class="fa fa-trash"></span>


```

```

        </button>
      </td>
    </tr>
  </tbody>
</table>
</div>
<div class="col-3">
  <div class="d-grid">
    <button class="btn btn-danger" (click)="ToggleCartDisplay()" >
      <span class="fa fa-shopping-cart"></span>
      Your Cart Items
      <span class="badge bg-light text-dark">{{CartItemsCount}}</span>
    </button>
  </div>
</div>
</div>
</div>

```

### Ex: Sending Object as Event Argument

#### Likesdemo.component.ts

```
import { Component, OnInit } from '@angular/core';
```

```

@Component({
  selector: 'app-likesdemo',
  templateUrl: './likesdemo.component.html',
  styleUrls: ['./likesdemo.component.css']
})

```

```
export class LikesdemoComponent {
```

```
  Products = [
```

```

{Name: "JBL Speaker", Photo: "assets/speaker.jpg", Likes:0, Dislikes:0},
{Name: "Nike Casuals", Photo: "assets/shoe.jpg", Likes:0, Dislikes: 0},
{Name: "Shirt", Photo: "assets/shirt.jpg", Likes:0, Dislikes: 0}
];

LikesClick(item:any){
    item.Likes++;
}

DislikesClick(item:any){
    item.Dislikes++;
}
}

```

### Likesdemo.component.html

```

<div class="container">
  <div class="mt-3 card-group">
    <div class="card me-3" *ngFor="let item of Products">
      <img [src]="item.Photo" height="200" class="card-img-top">
      <div class="card-body">
        <h2>{{item.Name}}</h2>
      </div>
      <div class="card-footer text-center">
        <div class="btn-group">
          <button class="btn btn-outline-success" (click)="LikesClick(item)" >
            <span class="fa fa-thumbs-up"></span>
            [{{item.Likes}}] Likes
          </button>
          <button class="btn btn-outline-danger" (click)="DislikesClick(item)">

```

```
<span class="fa fa-thumbs-down"></span>
  [{{item.Dislikes}}] Dislikes
</button>
</div>
</div>
</div>
</div>
</div>
```

## Attribute Directives