

8.Pipes

Product-list.component.html

```
<style>
  th,td{
    padding-left: 50px;
  }
</style>
<h3 style="background-color: rgb(8, 96, 169);color: white;">Product List
Page</h3>

<table class="table table-striped table-bordered">
  <thead>
    <tr><th>
      <button class="btn btn-primary" (click)='toggleImage()'>Show
Image</button>
    </th>
    <th>Product</th>
    <th>code</th>
    <th>Available</th>
    <th>price</th>
    <th>Ratings</th>
  </tr>
</thead>
<tbody>

  <tr *ngFor="let product of products">
    <td><img src="" ></td>
    <td [style.color]="'#306A9D'" [style.font-weight]="700"
[style.font-size.px]="20">
      {{ product.productName }} </td>
    <td [class.inStock]="false">{{product.code | convertToSpace:'-'
'}}</td>
    <td>{{product.available}}</td>
    <td [style.color]="product.price > 20 ? 'red':
'green'" [style.font-size.px]="16" [style.font-weight]="700">
      {{ product.price}}
    </td>
    <td>{{product.ratings}}</td>
  </tr>
</tbody>
</table>
```

Product-list.component.ts

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

```

@Component({
  selector: 'product-list',
  templateUrl: './product-list.component.html',
  styleUrls: ['./product-list.component.css']
})
export class ProductListComponent implements OnInit {

  constructor() {}

  ngOnInit(): void {}
  products = [
    { productName: 'Leaf Rake',code:'GND-0011', available: 'March 19,2016',
price: 19.95 , ratings: 3.5 },
    { productName: 'Garden Cart',code:'GND-0023', available: 'March 18,2016',
price: 32.99 , ratings: 4.2 },
    { productName: 'Hamer', code:'TBX-0048', available: 'May 21,2016', price:
8.9 , ratings: 4.8 },
    { productName: 'Saw', code:'TBX-0022', available: 'May 15,2016', price:
11.55 , ratings: 3.7 },
    { productName: 'Video Game Controller', code:'GMG-0042', available:
'October 15,2015', price: 35.95 , ratings: 4.6 },
  ];

  pageTitle: string = "Product List Page";
  imageWidth:number = 80;
  imageMargin:number = 10;

  showImage:boolean = false;

  toggleImage() : void {
    this.showImage = !this.showImage;
    // (!false = true) // (!true == false)
    console.log('Value of ShowImage inside function ::', this.showImage);
  }
}

```

App.component.ts

```

import { Component } from '@angular/core';

@Component({
  selector: 'app-root',
  template: '<product-list></product-list>',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Pipe';
}

```

App.module.ts

```
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { ProductListComponent } from './product-list/product-list.component';
import { ConvertToSpacePipe } from './convert-to-space.pipe';
@NgModule({
  declarations: [
    AppComponent,
    ProductListComponent,

    ConvertToSpacePipe
  ],
  imports: [
    BrowserModule,
    AppRoutingModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

convert-to-space.pipe.ts

```
import { Pipe, PipeTransform } from '@angular/core';

@Pipe({
  name: 'convertToSpace'
})
export class ConvertToSpacePipe implements PipeTransform {

  transform(value:string, character:string, ) {
    return value.replace(character, '@');
  }

}
```

Product List Page

Show Image

Product	code	Available	price	Ratings
Leaf Rake	GND@0011	March 19,2016	19.95	3.5
Garden Cart	GND@0023	March 18,2016	32.99	4.2
Hamer	TBX@0048	May 21,2016	8.9	4.8
Saw	TBX@0022	May 15,2016	11.55	3.7
Video Game Controller	GMG@0042	October 15,2015	35.95	4.6