

Bài 1:

Thiết kế OrderForm như mẫu, người dùng chọn sản phẩm nào thì sẽ tự động tính tổng tiền, nếu trả món thì click vào món mình trả, hệ thống tự động cập nhật trừ lại tiền trong tổng tiền, sản phẩm nào được chọn thì hiển thị màu xanh, chưa chọn hoặc trả món thì sẽ màu hồng.

Menu	
Chocolate freeze	\$69.00
Phindi Hạnh Nhân	\$50.00
Cà Phê Sữa	\$40.00
Trà Sen Vàng	\$40.00
<hr/>	
Total:	\$119.00

Menu	
Chocolate freeze	\$69.00
Phindi Hạnh Nhân	\$50.00
Cà Phê Sữa	\$40.00
Trà Sen Vàng	\$40.00
<hr/>	
Total:	\$159.00

Hướng dẫn:

bai1.component.css

```
* {  
  margin: 0;  
  padding: 0;  
}  
  
body {  
  font: 15px/1.3 'Open Sans', sans-serif;  
  color: #5e5b64;  
  text-align: center;  
}  
  
a,  
a:visited {  
  outline: none;  
  color: #389dc1;  
}  
  
a:hover {  
  text-decoration: none;  
}
```

```
section,
footer,
header,
aside,
nav {
    display: block;
}
/*-----
           The order form
-----*/
.form {
    background-color: #61a1bc;
    border-radius: 2px;
    box-shadow: 0 1px 1px #ccc;
    width: 400px;
    padding: 35px 60px;
    margin: 50px auto;
}
.form h1 {
    color: #fff;
    font-size: 64px;
    text-align: center;
    font-family: 'Cookie', cursive;
    font-weight: normal;
    line-height: 1;
    text-shadow: 0 3px 0 rgba(0, 0, 0, 0.1);
}
.form ul {
    list-style: none;
    color: #fff;
    font-size: 20px;
    font-weight: bold;
    text-align: left;
    margin: 20px 0 15px;
}
.form ul li {
    padding: 20px 30px;
    background-color: #e35885;
    margin-bottom: 8px;
    box-shadow: 0 1px 1px rgba(0, 0, 0, 0.1);
    cursor: pointer;
}
.form ul li span {
    float: right;
}

.form ul li.active {
    background-color: #8ec16d;
}
```

```
div.total {
  border-top: 1px solid rgba(255, 255, 255, 0.5);
  padding: 15px 30px;
  font-size: 20px;
  font-weight: bold;
  text-align: left;
  color: #fff;
}
div.total span {
  float: right;
}
```

Bail.component.html

```
<div class="form">
  <h1>Menu</h1>
  <ul>
    <!-- Lặp qua mảng services, chỉ định một trình xử lý nhấp chuột và
    đặt hoặc loại bỏ lớp css "active"-->

    <li *ngFor=" " >
      <!--Hiển thị name and price trong array. filter cho formatting
      the price -->
      {{item.name}}
      <span>{{ item.price}}</span>

    </li>
  </ul>

  <div class="total">
    <!-- Tính lại total khi chọn services. Format lại currency. -->
    Total:<span></span>
  </div>
</div>
```

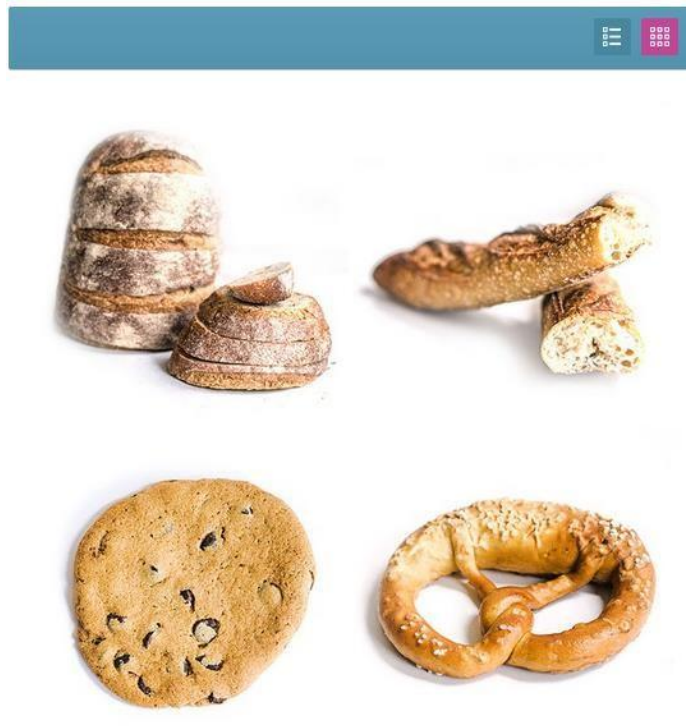
Bail.component.ts

```
services: any[] = [
  {
    name: 'Chocolate freeze',
    price: 69,
    active: true
  }, {
    name: 'Phindi Hạnh Nhân',
    price: 50,
    active: false
  }, {
    name: 'Cà Phê Sữa',
    price: 40,
    active: false
  }, {
    name: 'Trà Sen Vàng',
    price: 40,
```

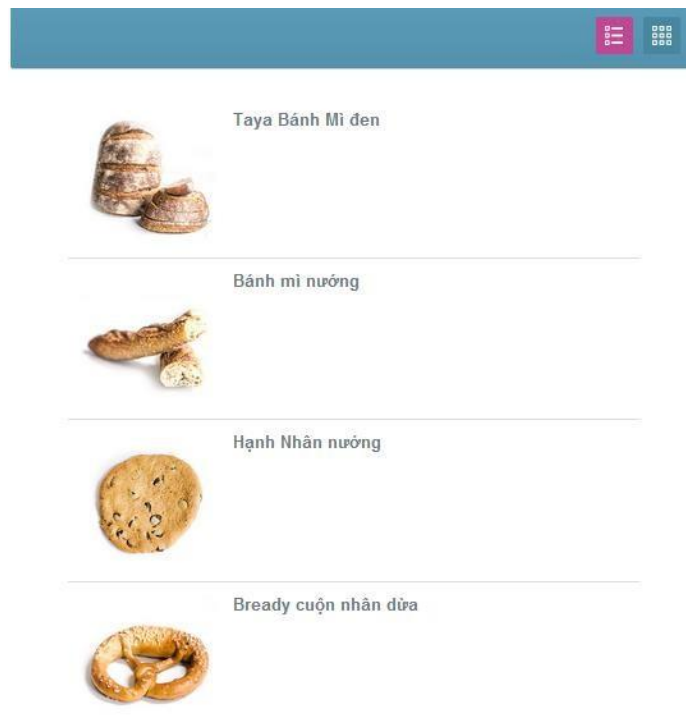
```
    active: false  
  }  
]
```

Bài 2:

Dạng grid



Dạng List



Hướng dẫn:

bai2.component.css

```
* {  
    margin: 0;  
    padding: 0;  
}  
  
body {  
    font: 15px/1.3 'Open Sans', sans-serif;  
    color: #5e5b64;  
    text-align: center;  
}  
  
a,  
a:visited {  
    outline: none;  
    color: #389dc1;  
}  
  
a:hover {  
    text-decoration: none;  
}  
  
section,  
footer,  
header,  
aside,  
nav {  
    display: block;  
}  
  
/*-----  
    The search input  
-----*/  
  
.bar {  
    background-color: #5c9bb7;  
    background-image: -webkit-linear-gradient(top, #5c9bb7, #5392ad);  
    background-image: -moz-linear-gradient(top, #5c9bb7, #5392ad);  
    background-image: linear-gradient(top, #5c9bb7, #5392ad);  
    box-shadow: 0 1px 1px #ccc;  
    border-radius: 2px;  
    width: 580px;  
    padding: 10px;  
    margin: 45px auto 25px;  
    position: relative;  
    text-align: right;  
    line-height: 1;  
}  
  
.bar a {  
    background: #4987a1 center center no-repeat;
```

```
width: 32px;
height: 32px;
display: inline-block;
text-decoration: none !important;
margin-right: 5px;
border-radius: 2px;
cursor: pointer;
}

.bar a.active {
  background-color: #c14694;
}

.bar a.list-icon {
  background-image: url('http://localhost:4200/assets/images/icons-list.png');
}

.bar a.grid-icon {
  background-image: url('http://localhost:4200/assets/images/icons-grid.png');
}

.bar input {
  background: #fff no-repeat 13px 13px;
  border: none;
  width: 100%;
  line-height: 19px;
  padding: 11px 0;

  border-radius: 2px;
  box-shadow: 0 2px 8px #c4c4c4 inset;
  text-align: left;
  font-size: 14px;
  font-family: inherit;
  color: #738289;
  font-weight: bold;
  outline: none;
  text-indent: 40px;
}

/*-----
  List layout
-----*/

ul.list {
  list-style: none;
  width: 500px;
  margin: 0 auto;
  text-align: left;
}

ul.list li {
  border-bottom: 1px solid #ddd;
```

```

padding: 10px;
overflow: hidden;
}

ul.list li img {
  width: 120px;
  height: 120px;
  float: left;
  border: none;
}

ul.list li p {
  margin-left: 135px;
  font-weight: bold;
  color: #6e7a7f;
}

/*-----
  Grid layout
-----*/

ul.grid {
  list-style: none;
  width: 570px;
  margin: 0 auto;
  text-align: left;
}

ul.grid li {
  padding: 2px;
  float: left;
}

ul.grid li img {
  width: 280px;
  height: 280px;
  object-fit: cover;
  display: block;
  border: none;
}

```

bai2.component.html

```

<form>
  <div class="bar">
    <a class="list-icon"></a>
    <a class="grid-icon"></a>
  </div>

  <!--Chúng ta có hai cách bố trí. Chúng tôi chọn cái nào để hiển thị tùy thuộc vào liên kết
  "bố cục-->

  <ul *ngIf="layout=='grid'" class="grid">

```

```

    <!-- A view with big photos and no text -->
    <li *ngFor=" " ">
        <a :href="item.url" target="_blank"></a>
    </li>
</ul>

<ul *ngIf="layout=='list'" class="list">
    <!-- A compact view smaller photos and titles -->
    <li *ngFor=" " ">
        <a :href="{{item.url}}" target="_blank"><img [src]="item.image.small" /></a>
        <p>{{item.title}}</p>
    </li>
</ul>
</form>

```

bai2.component.ts

```

layout: string = 'grid'//list
articles: Articles[] = [
    {
        "title": "Taya Bánh Mì đen",
        "url": "https://abcbakery.co",
        "image": {
            "large": "./assets/images/bakery-23.jpg",
            "small": "./assets/images/bakery-23.jpg"
        }
    },
    {
        "title": "Bánh mì nướng",
        "url": "https://abcbakery.co",
        "image": {
            "large": "./assets/images/bakery-22.jpg",
            "small": "./assets/images/bakery-22.jpg"
        }
    },
    {
        "title": "Hạnh Nhân nướng",
        "url": "https://abcbakery.co",
        "image": {
            "large": "./assets/images/bakery-24.jpg",
            "small": "./assets/images/bakery-24.jpg"
        }
    },
    {
        "title": "Bready cuộn nhân dừa",
        "url": "https://abcbakery.co",
        "image": {
            "large": "./assets/images/bakery-25.jpg",
            "small": "./assets/images/bakery-25.jpg"
        }
    },
    {
        "title": "Muffin cam hạnh nhân",
        "url": "https://abcbakery.co",

```



```

    "image": {
      "large": "./assets/images/bakery-26.jpg",
      "small": "./assets/images/bakery-26.jpg"
    }
  },
  {
    "title": "Đan mạch ca dẻ",
    "url": "https://abcbakery.co",
    "image": {
      "large": "./assets/images/bakery-27.jpg",
      "small": "./assets/images/bakery-27.jpg"
    }
  },
  {
    "title": "Baguette ngũ hạt dài",
    "url": "https://abcbakery.co",
    "image": {
      "large": "./assets/images/bakery-28.jpg",
      "small": "./assets/images/bakery-28.jpg"
    }
  }
]

```

Bài 3:

	Taya Bánh Mì đen
	Bánh mì nướng
	Hạnh Nhân nướng
	Bready cuộn nhân dừa
	Muffin cam hạnh nhân
	Đan mạch ca dẻ
	Baguette ngũ hạt dài

Hướng dẫn:

bai3.component.css

```
* {  
    margin: 0;  
    padding: 0;  
}  
  
body {  
    font: 15px/1.3 'Open Sans', sans-serif;  
    color: #5e5b64;  
    text-align: center;  
}  
  
a,  
a:visited {  
    outline: none;  
    color: #389dc1;  
}  
  
a:hover {  
    text-decoration: none;  
}  
  
section,  
footer,  
header,  
aside,  
nav {  
    display: block;  
}  
  
/*-----  
    The search input  
-----*/  
  
.bar {  
    background-color: #5c9bb7;  
  
    background-image: -webkit-linear-gradient(top, #5c9bb7, #5392ad);  
    background-image: -moz-linear-gradient(top, #5c9bb7, #5392ad);  
    background-image: linear-gradient(top, #5c9bb7, #5392ad);  
  
    box-shadow: 0 1px 1px #ccc;  
    border-radius: 2px;  
    width: 400px;  
    padding: 14px;  
    margin: 45px auto 20px;  
    position: relative;  
}
```

```
.bar input {
  background: #fff no-repeat 8px 8px;
  background-image: url('http://localhost:4200/assets/images/icons-search.png');
  border: none;
  width: 100%;
  line-height: 19px;
  padding: 11px 0;
  border-radius: 2px;
  box-shadow: 0 2px 8px #c4c4c4 inset;
  text-align: left;
  font-size: 14px;
  font-family: inherit;
  color: #738289;
  font-weight: bold;
  outline: none;
  text-indent: 40px;
}

ul {
  list-style: none;
  width: 428px;
  margin: 0 auto;
  text-align: left;
}

ul li {
  border-bottom: 1px solid #ddd;
  padding: 10px;
  overflow: hidden;
}

ul li img {
  width: 60px;
  height: 60px;
  float: left;
  border: none;
}

ul li p {
  margin-left: 75px;
  font-weight: bold;
  padding-top: 12px;
  color: #6e7a7f;
}
```

bai3.component.html

```
<form>
  <div class="bar">
    <!-- Create a binding between the searchString model and the text field -->
    <input type="text" class="form-control" placeholder="Enter your search terms" />
  </div>

  <ul>
```

```
<!-- Render a li element for every entry in the computed
filteredArticles array. -->
```

```

    <li *ngFor="" >
      <a [href]="item.url"><img [src]="item.image" /></a>
      <p>{{item.title}}</p>
    </li>
  </ul>
</form>
```

bai3.component.ts

```

searchString: any
articles_array: any[] = []
articles: Articles3[] = [
  {
    "title": "Taya Bánh Mì đen",
    "url": "https://abcbakery.co",
    "image": "./assets/images/bakery-23.jpg"
  },
  {
    "title": "Bánh mì nướng",
    "url": "https://abcbakery.co",
    "image": "./assets/images/bakery-22.jpg"
  },
  {
    "title": "Hạnh Nhân nướng",
    "url": "https://abcbakery.co",
    "image": "./assets/images/bakery-24.jpg"
  },
  {
    "title": "Bready cuộn nhân dừa",
    "url": "https://abcbakery.co",
    "image": "./assets/images/bakery-25.jpg"
  },
  {
    "title": "Muffin cam hạnh nhân",
    "url": "https://abcbakery.co",
    "image": "./assets/images/bakery-26.jpg"
  },
  {
    "title": "Đan mạch ca dé",
    "url": "https://abcbakery.co",
    "image": "./assets/images/bakery-27.jpg"
  },
  {
    "title": "Baguette ngũ hạt dài",
    "url": "https://abcbakery.co",
    "image": "./assets/images/bakery-28.jpg"
  }
]
]
```

Bai3.component.ts

```

filterName() {
    this.articles_array = this.articles;
    var str = this.searchString;

    if (!str) {
        return this.articles_array;
    }
    str = str.trim().toLowerCase();

    this.articles_array = this.articles_array.filter(function (item) {
        if (item.title.toLowerCase().indexOf(str) !== -1) {
            return item;
        }
    })
    return this.articles_array;
}

```

Bài 4:

Price level

<input type="checkbox"/>	Item name	Price	Quantity	Total
<input type="checkbox"/>	iPhone9	700	<input type="text" value="0"/>	\$0.00
<input type="checkbox"/>	Samsung	400	<input type="text" value="0"/>	\$0.00
<input type="checkbox"/>	Nokia	100	<input type="text" value="0"/>	\$0.00
<input type="checkbox"/>	Sony Xperia	450	<input type="text" value="0"/>	\$0.00
<input type="checkbox"/>	Motorola	180	<input type="text" value="0"/>	\$0.00
<input type="checkbox"/>	Oppo	600	<input type="text" value="0"/>	\$0.00
<input type="checkbox"/>	bPhone	90	<input type="text" value="0"/>	\$0.00
Sum total				\$0.00

Hướng dẫn:

```

<option>Price level</option>
<option value="199">Under 200</option>
<option value="200">from 200 to 500</option>
<option value="501">over 500</option>

```

bai4.component.ts

```

Products: Product[] = [
    {
        name: 'iPhone9', price: 700, quantity: 0, active: false
    },
    {

```

```
    name: 'Samsung', price: 400, quantity: 0, active: false
  },
  {
    name: 'Nokia', price: 100, quantity: 0, active: false
  },
  {
    name: 'Sony Xperia', price: 450, quantity: 0, active: false
  },
  {
    name: 'Motorola', price: 180, quantity: 0, active: false
  },
  {
    name: 'Oppo', price: 600, quantity: 0, active: false
  },
  {
    name: 'bPhone', price: 90, quantity: 0, active: false
  }
]
```

```
filterprice() {
  // console.log(this.choice)
  if (this.choice == 'Price level') {
    return this.products;
  }
  else if (this.choice < 200) {
    return this.products.filter(function (item) {
      return item.price < 200
    })
  }
  else if (this.choice > 500) {
    return this.products.filter(item => {
      return item.price > 500
    })
  }
  else {
    return this.products.filter(item => {
      return (item.price >= 200 && item.price <= 500)
    })
  }
}
```