



THEME

Activité Pratique N° 6 : Angular Framework

Réalisé Par :

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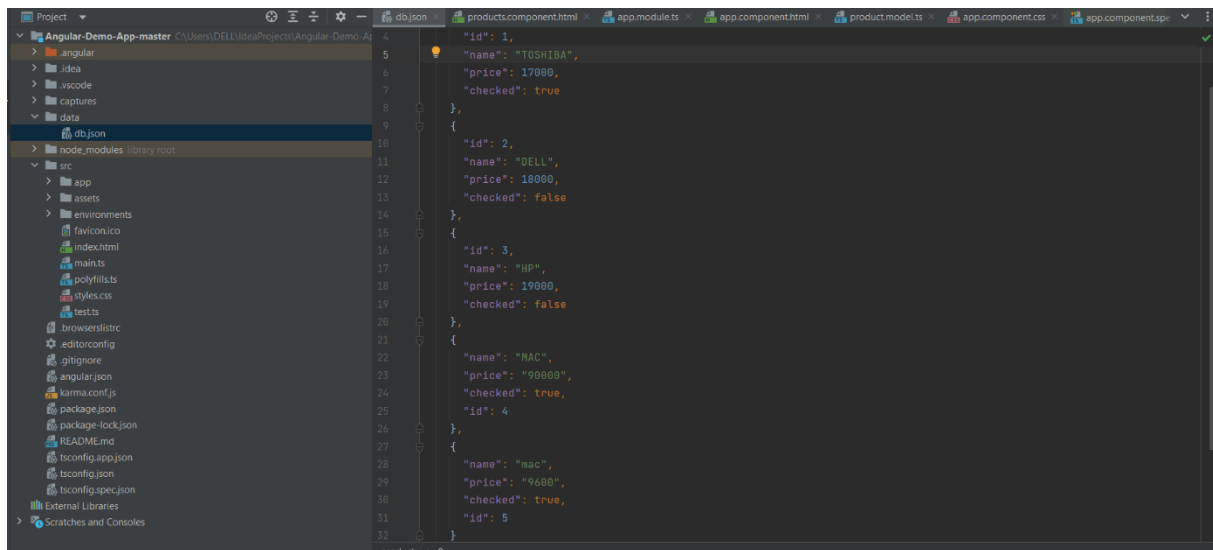
Encadré Par :

Mohamed YOUSSEFI

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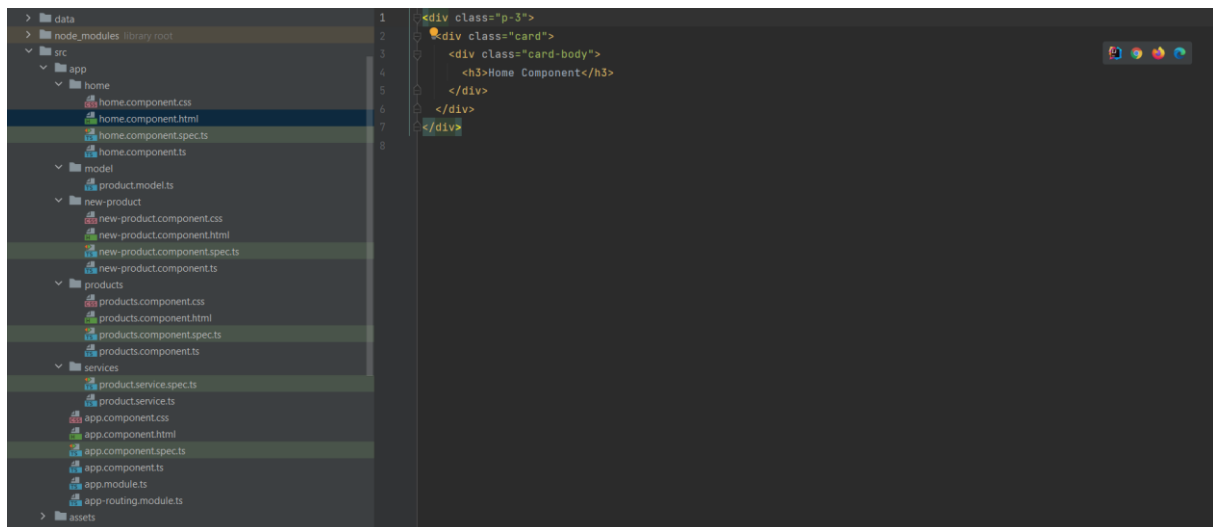
La maitrise des concepts fondamentaux de Angular

1. On a le dossier data qui contient le fichier db.json qui contient notre base de données :



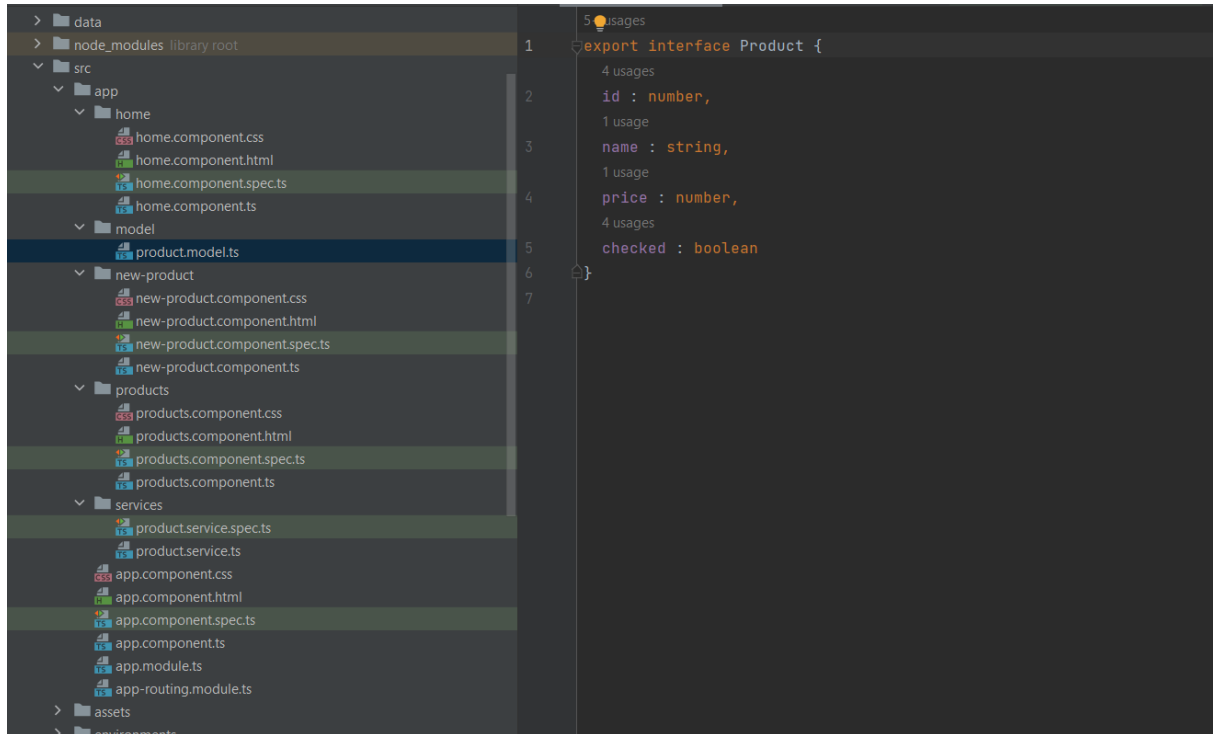
```
4  {
5    "id": 1,
6    "name": "TOSHIBA",
7    "price": 17000,
8    "checked": true
9  },
10 {
11   "id": 2,
12   "name": "DELL",
13   "price": 18000,
14   "checked": false
15 },
16 {
17   "id": 3,
18   "name": "HP",
19   "price": 19000,
20   "checked": false
21 },
22 {
23   "name": "MAC",
24   "price": "90000",
25   "checked": true,
26   "id": 4
27 },
28 {
29   "name": "mac",
30   "price": "9600",
31   "checked": true,
32   "id": 5
33 }
```

2. On a le dossier home qui contient plusieurs fichiers (home.component.css, home.component.html, home.component.spec.ts, home.component.ts) j' ai pris comme exemple le fichier home.component.html :



```
1 <div class="p-3">
2   <div class="card">
3     <div class="card-body">
4       <h3>Home Component</h3>
5     </div>
6   </div>
7 </div>
```

3. On a le dossier model qui contient le fichier product.model.ts :

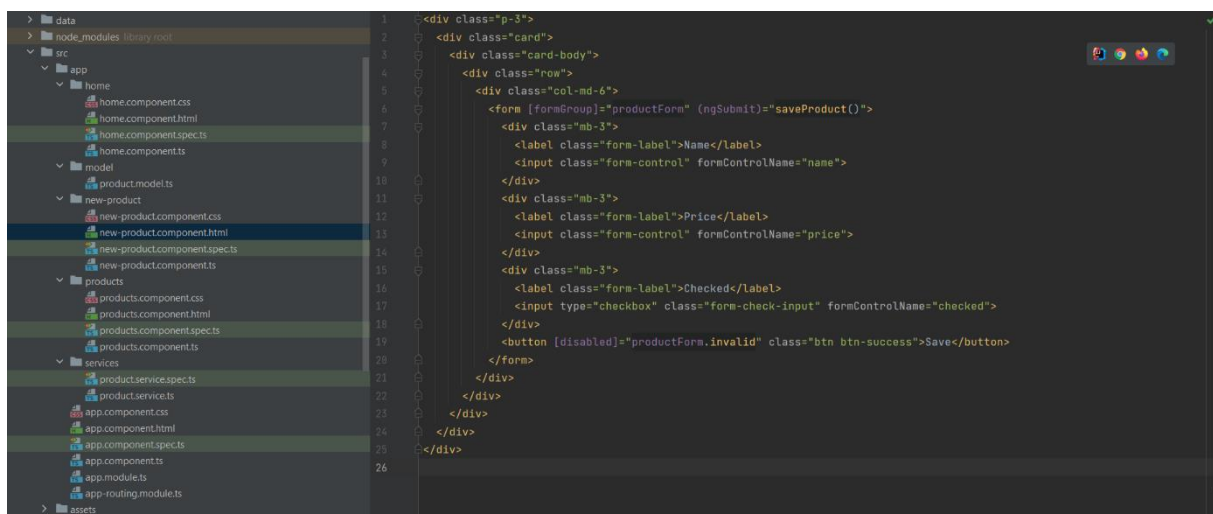


```

1  export interface Product {
2      id : number,
3      name : string,
4      price : number,
5      checked : boolean
6  }

```

4. On a le dossier new-product qui contient plusieurs fichiers (new-product.component.css, new-product.component.html, new-product.component.spec.ts, new-product.component.ts) j' ai pris comme exemple le fichier new-product.component.html :

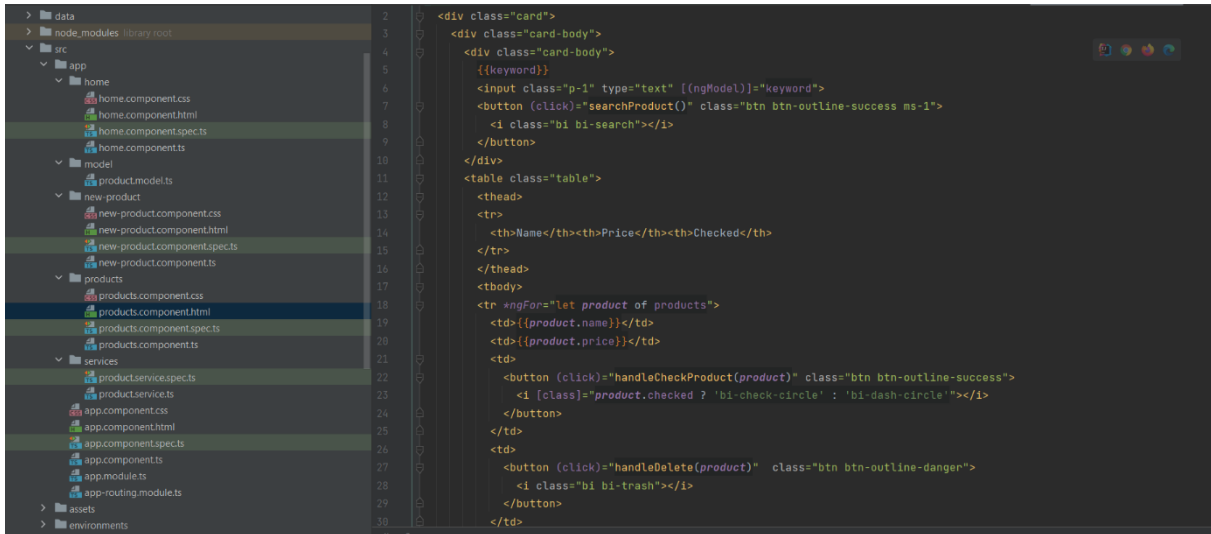


```

1  <div class="p-3">
2      <div class="card">
3          <div class="card-body">
4              <div class="row">
5                  <div class="col-md-6">
6                      <form [formGroup]="productForm" (ngSubmit)="saveProduct()">
7                          <div class="mb-3">
8                              <label class="form-label">Name</label>
9                              <input class="form-control" formControlName="name">
10                         </div>
11                      <div class="mb-3">
12                          <label class="form-label">Price</label>
13                          <input class="form-control" formControlName="price">
14                      </div>
15                      <div class="mb-3">
16                          <label class="form-label">Checked</label>
17                          <input type="checkbox" class="form-check-input" formControlName="checked">
18                      </div>
19                      <button [disabled]="productForm.invalid" class="btn btn-success">Save</button>
20                  </form>
21              </div>
22          </div>
23      </div>
24  </div>
25  </div>
26

```

5. On a le dossier products qui contient plusieurs fichiers (products.component.css, products.component.html, products.component.spec.ts, products.component.ts) j' ai pris comme exemple le fichier products.component.html :

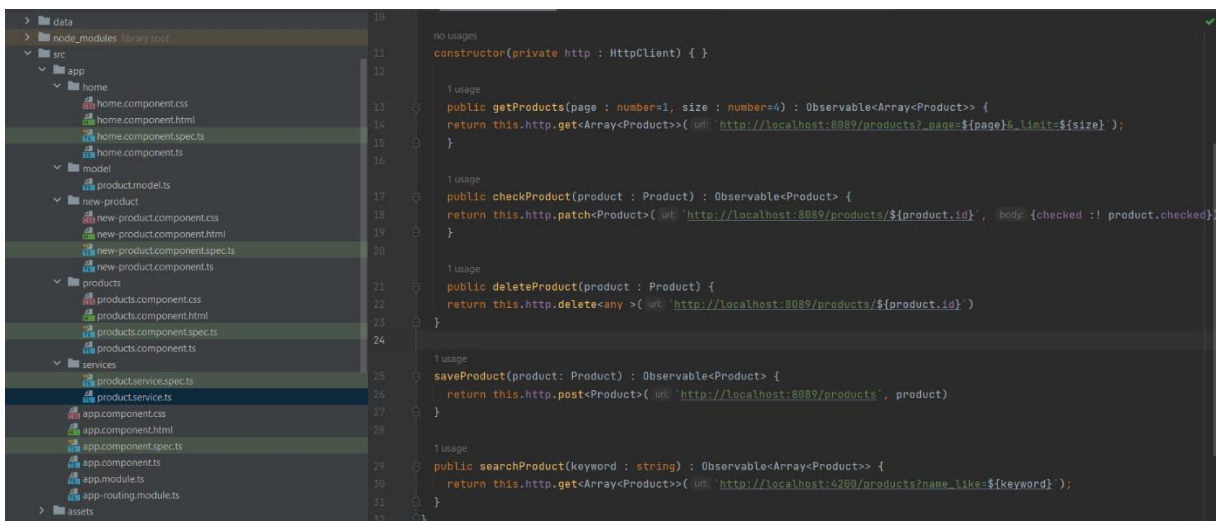


```

1 <div class="card">
2   <div class="card-body">
3     <div class="card-body">
4       {{keyword}}
5     <input class="p-1" type="text" [(ngModel)]="keyword">
6     <button (click)="searchProduct()" class="btn btn-outline-success ms-1">
7       <i class="bi bi-search"></i>
8     </button>
9   </div>
10 </div>
11 <table class="table">
12   <thead>
13     <tr>
14       <th>Name</th><th>Price</th><th>Checked</th>
15     </tr>
16   </thead>
17   <tbody>
18     <tr *ngFor="let product of products">
19       <td>{{product.name}}</td>
20       <td>{{product.price}}</td>
21       <td>
22         <button (click)="handleCheckProduct(product)" class="btn btn-outline-success">
23           <i [class]="product.checked ? 'bi-check-circle' : 'bi-dash-circle'"></i>
24         </button>
25       </td>
26       <td>
27         <button (click)="handleDelete(product)" class="btn btn-outline-danger">
28           <i class="bi bi-trash"></i>
29         </button>
30       </td>

```

6. On a le dossier services qui contient plusieurs fichiers (product.service.spec.ts, product.service.ts) j' ai pris comme exemple le fichier product.service.ts :

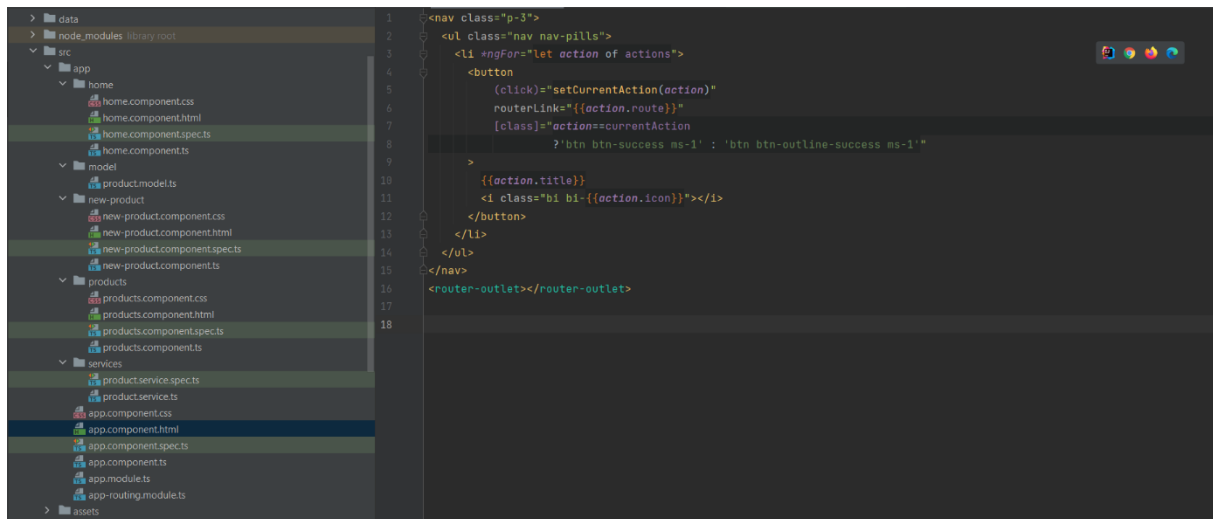


```

10
11 no usages
12 constructor(private http : HttpClient) { }
13
14 1 usage
15 public getProducts(page : number=1, size : number=4) : Observable<Array<Product>> {
16   return this.http.get<Array<Product>>({ url: 'http://localhost:8089/products?page=${page}&limit=${size}' });
17 }
18
19 1 usage
20 public checkProduct(product : Product) : Observable<Product> {
21   return this.http.patch<Product>({ url: 'http://localhost:8089/products/${product.id}', body: {checked :! product.checked} });
22 }
23
24 1 usage
25 public deleteProduct(product : Product) {
26   return this.http.delete<any>({ url: 'http://localhost:8089/products/${product.id}' });
27 }
28
29 1 usage
30 saveProduct(product : Product) : Observable<Product> {
31   return this.http.post<Product>({ url: 'http://localhost:8089/products', product });
32 }
33
34 1 usage
35 public searchProduct(keyword : string) : Observable<Array<Product>> {
36   return this.http.get<Array<Product>>({ url: 'http://localhost:4289/products?name_like=${keyword}' });
37 }

```

7. On a les fichiers app.component.css, app.component.html, app.component.spec.ts, app.component.ts :



8. On a l'interface :



Name

Price

Checked ☐

Save

9. On a la base de données :

```
1 // 20230624220121
2 // http://localhost:8089/products
3
4 ▼ [
5 ▼ {
6     "id": 1,
7     "name": "TOSHIBA",
8     "price": 17000,
9     "checked": true
10 },
11 ▼ {
12     "id": 2,
13     "name": "DELL",
14     "price": 18000,
15     "checked": false
16 },
17 ▼ {
18     "id": 3,
19     "name": "HP",
20     "price": 19000,
21     "checked": false
22 },
23 ▼ {
24     "name": "MAC",
25     "price": "90000",
26     "checked": true,
27     "id": 4
28 },
29 ▼ {
30     "name": "mac",
31     "price": "9600",
32     "checked": true,
33     "id": 5
34 }
35 ]
```