

UNIT 2

Angular



Exercise week 8

Client-side Web Development
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Exercise

Update the exercise from last week (week 7) with the following changes:

- Create the component **product-form** and put the “product form” there. This component must manage actions related with adding a new product. Create an **output** event called **add** where this component emits the product created when you submit the form.
- Create the component **product-card** and put the HTML inside the card there. This component will have an **input** value called **product** (will receive the object to display) and an output event called **deleted** (emit when deleting the product, type **EventEmitter<void>**).
 - Add the delete button to the product’s card element.
- The initial products will be loaded from a service now. Create the service **products** (**ProductsService**), and a method called **getProducts()**, which must return an array of products (create an array with at least 3 products. You can place the images inside the **assets/** directory).
 - From the **products-page** component call that method and get the initial array (in the **ngOnInit** method, remember!).
- Add the search filter. Create a pipe called **products-filter** which will receive the products array and the search parameter (search by title or by description). Use this pipe to filter the array of products in the **ngFor** directive.
- This is how the products-page component HTML will look like after the changes (more or less):

```
<sp-product-form (add)="addProduct($event)"></sp-product-form>

<nav class="navbar navbar-light bg-light justify-content-between mt-4">
  <form class="form mb-0 w-100">
    <input class="form-control" type="text" name="search" [(ngModel)]="search"
      placeholder="Search" aria-label="Search"/>
  </form>
</nav>
<div class="card-columns mt-4 mb-4">
  <sp-product-card class="card shadow" [product]="product" (deleted)="deleteProduct(product)"
    *ngFor="let product of products | productsFilter:search">
  </sp-product-card>
</div>
```