

Pagination - Select Page Size



Pagination

The screenshot shows a web store interface for 'luvshop'. The top navigation bar includes a logo, a search bar, a 'Search' button, a cart icon with '19.22' and '2' items, and a user profile icon.

The left sidebar lists categories: Books, Coffee Mugs, Mouse Pads, and Luggage Tags. The main content area displays five book products:

- Introduction to Machine Learning** (\$19.99) - Add to cart
- Become a Guru in Java** (\$18.99) - Add to cart
- Introduction to Python** (\$26.99) - Add to cart
- Advanced Techniques in C#** (\$22.99) - Add to cart
- The Expert Guide to Machine Learning** (\$16.99) - Add to cart

A red arrow points from the text 'Page Size' to a dropdown menu labeled 'Page Size' with options 5, 10, 20, and 50. The number '5' is selected.

Development Process

Step-By-Step

1. Add drop-down list for page size to HTML template
2. Update ProductListComponent for setting page size

Step 1: Add drop-down list for page size to HTML template

Event binding:
on change

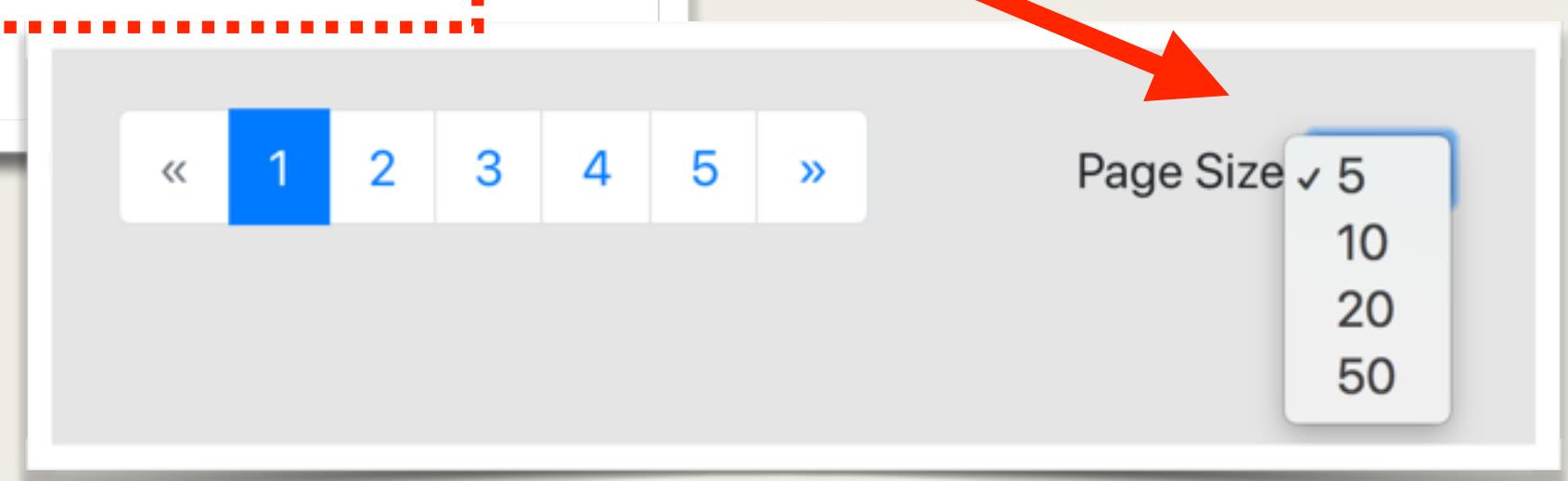
When user selects a page, then call method:
`updatePageSize(...)`

The value that is
selected by the user

`Page Size`

```
<select (change)="updatePageSize($event.target.value)">
  <option selected="true">5</option>
  <option>10</option>
  <option>20</option>
  <option>50</option>
</select>
...
```

5, 10, 20 or 50



Step 2: Update ProductListComponent for setting page size

File: product-list.component.ts

```
export class ProductListComponent implements OnInit {  
  
    // new properties for pagination  
    thePageNumber: number = 1;  
    thePageSize: number = 5;  
    theTotalElements: number = 0;  
  
    ...  
  
    updatePageSize(pageSize: number) {  
        this.thePageSize = pageSize;  
        this.thePageNumber = 1;  
        this.listProducts();  
    }  
}
```

Set page size based on parameter value