Step 5: Enhance HTML template to use ng-bootstrap pagination component
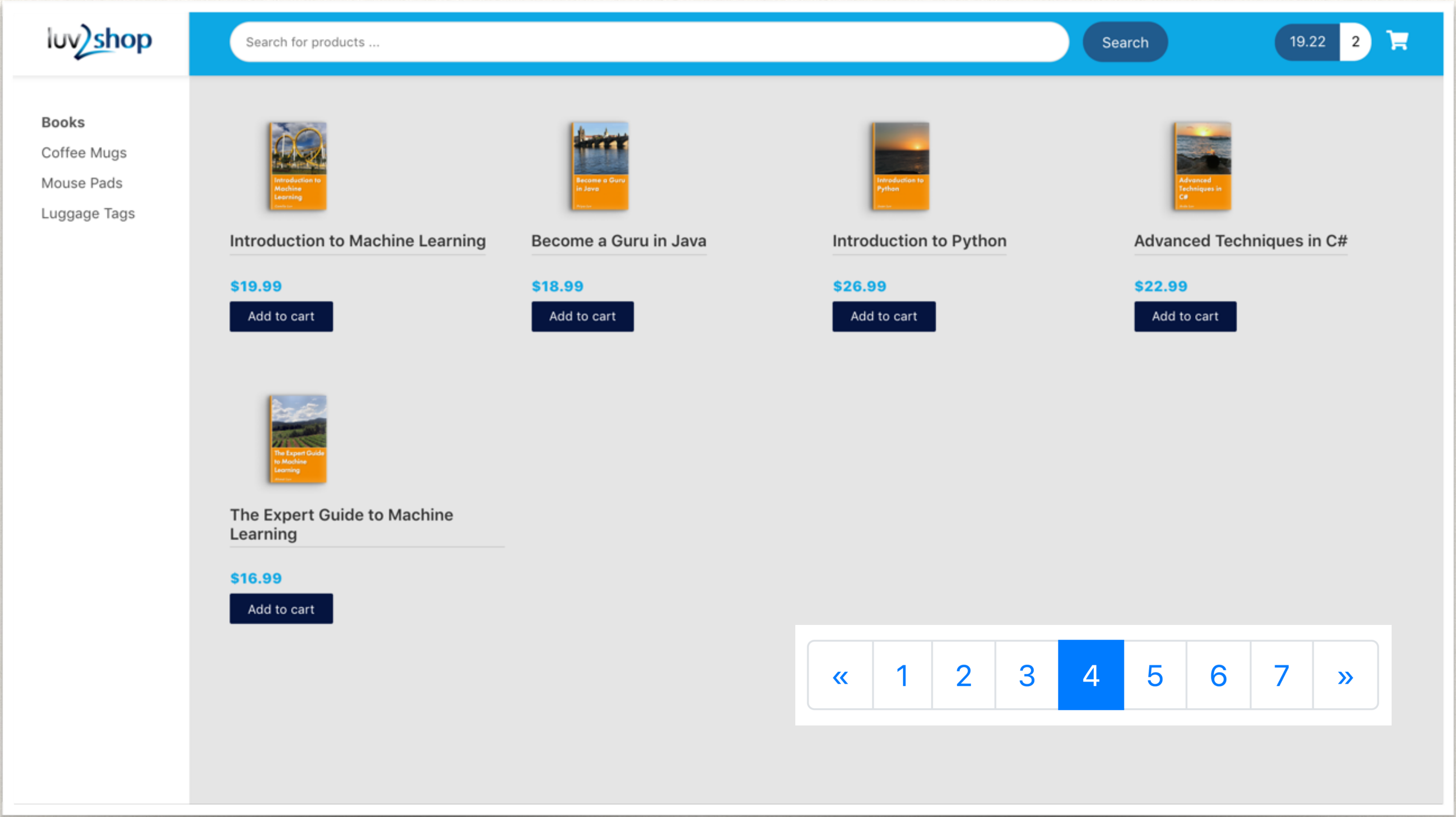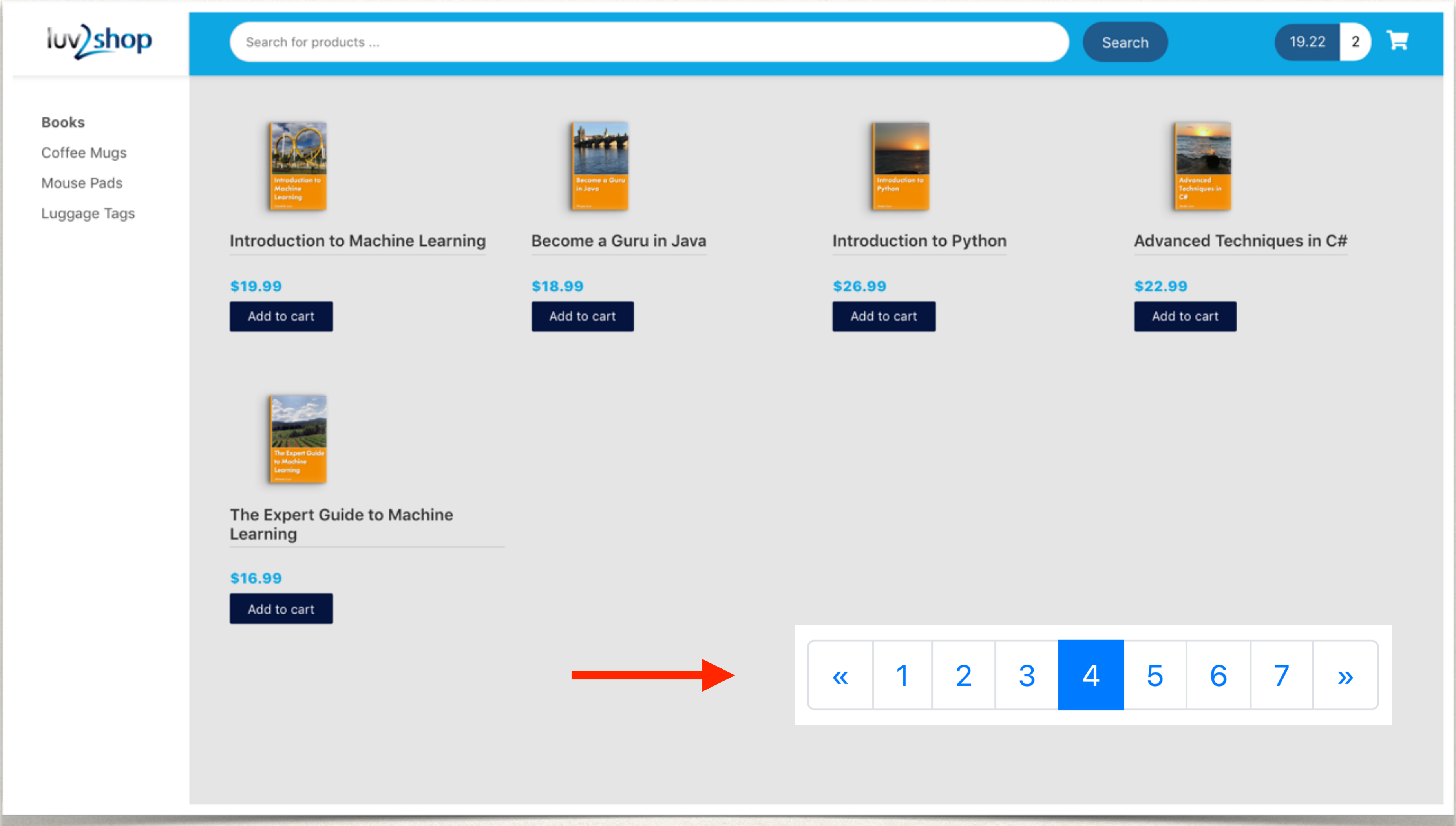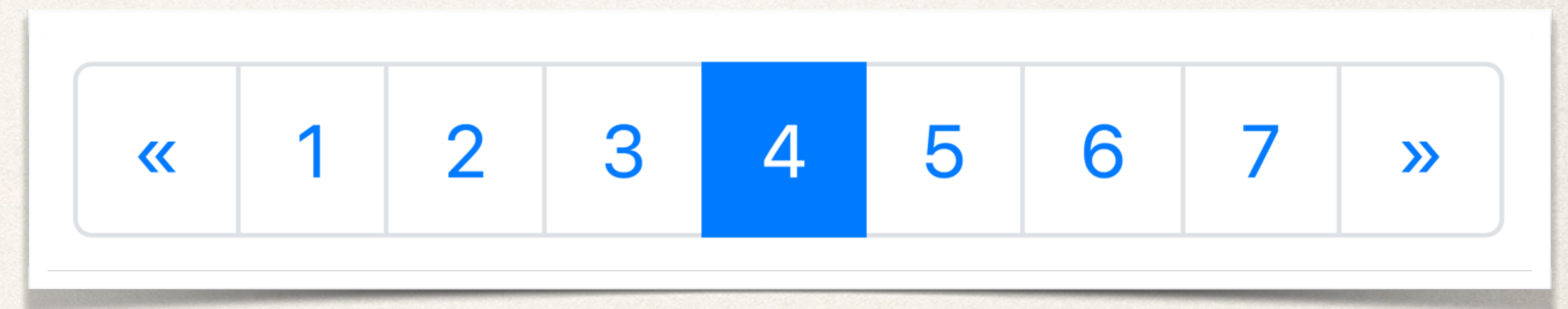
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Step 5: Enhance HTML template to use ng-bootstrap pagination component

Step 5: Enhance HTML template to use ng-bootstrap pagination component

Step 5: Enhance HTML template to use ng-bootstrap pagination component
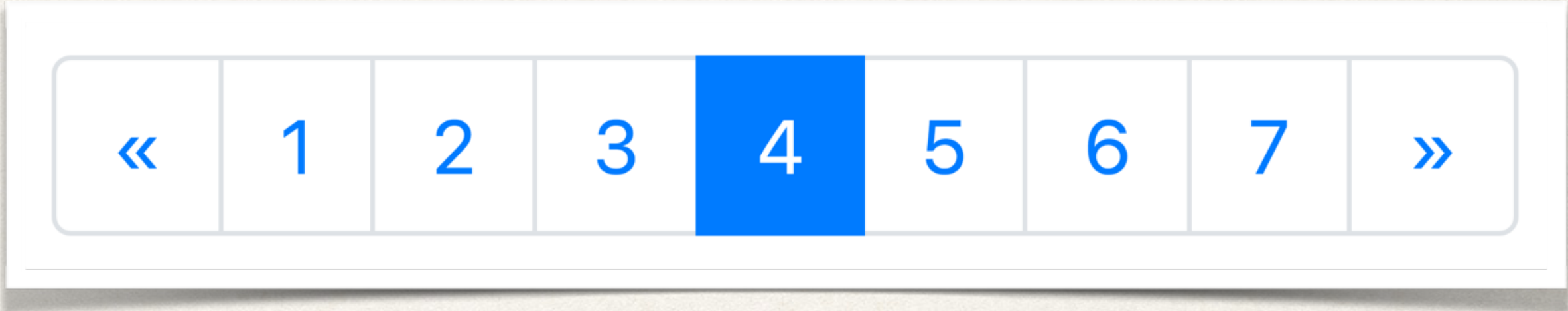
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Step 5: Enhance HTML template to use ng-bootstrap pagination component

Parameter	Purpose

Step 5: Enhance HTML template to use ng-bootstrap pagination component

Parameter	Purpose
page	The page number to access. 1-based ... defaults to 1

| « | 1 | 2 | 3 | 4 | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

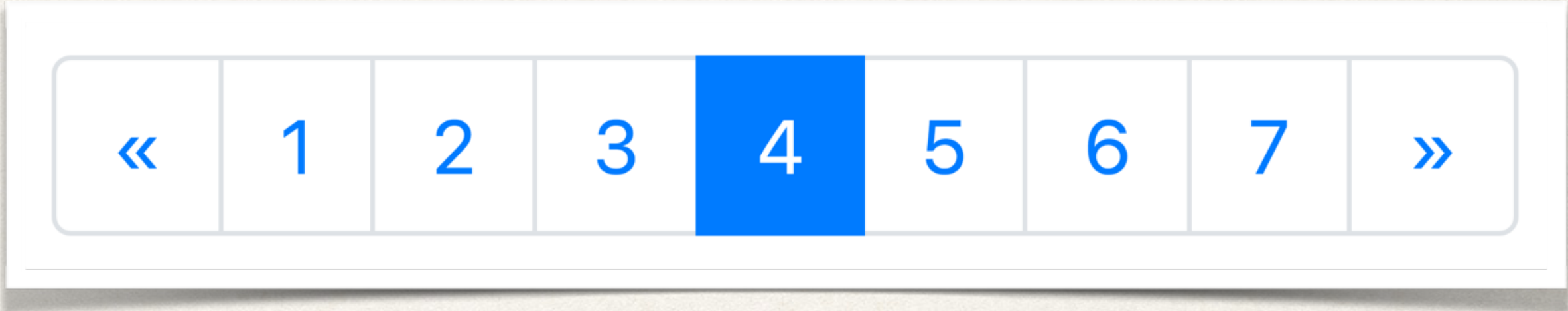| Parameter	Purpose
page	The page number to access. 1-based ... defaults to 1
pageSize	The size of the page (items per page). Defaults to 10

Step 5: Enhance HTML template to use ng-bootstrap pagination component

Parameter	Purpose
page	The page number to access. 1-based ... defaults to 1
pageSize	The size of the page (items per page). Defaults to 10
collectionSize	The total number of items

| « | 1 | 2 | 3 | 4 | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

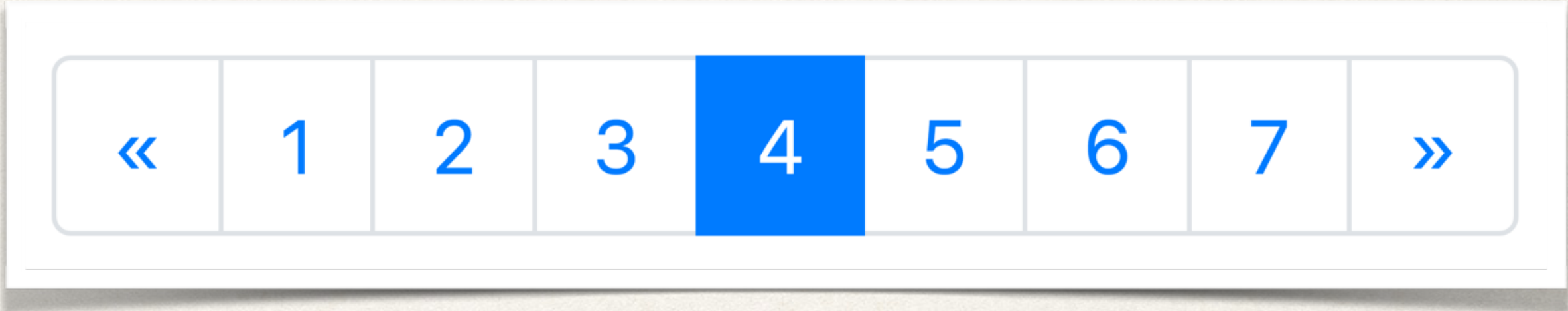| Parameter	Purpose
page	The page number to access. 1-based ... defaults to 1
pageSize	The size of the page (items per page). Defaults to 10
collectionSize	The total number of items
pageChange	Event handler for page change events

Step 5: Enhance HTML template to use ng-bootstrap pagination component

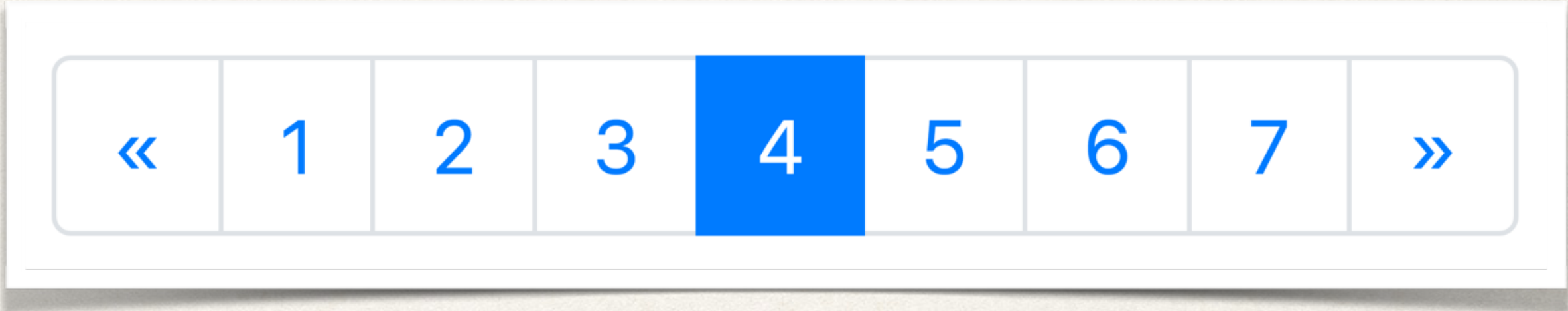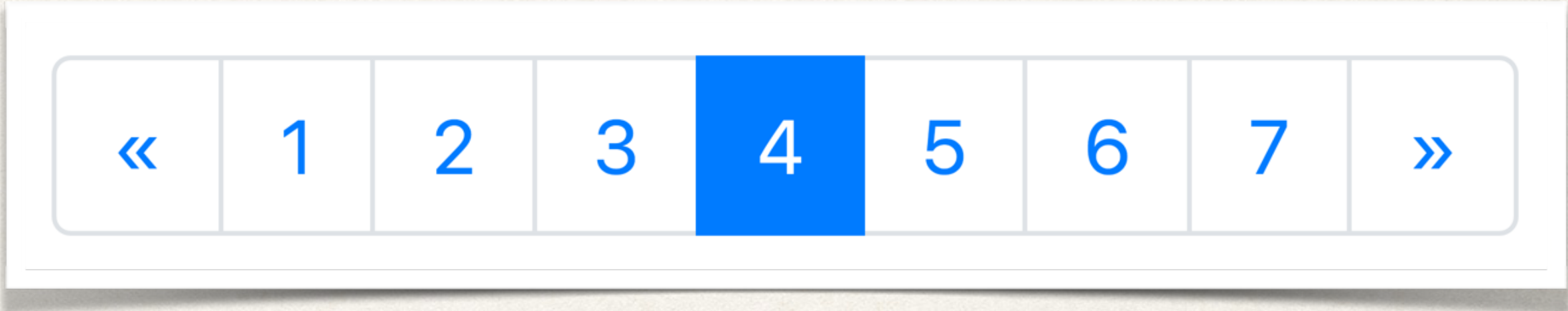| Parameter	Purpose
page	The page number to access. 1-based ... defaults to 1
pageSize	The size of the page (items per page). Defaults to 10
collectionSize	The total number of items
pageChange	Event handler for page change events

https://ng-bootstrap.github.io/

« 1 2 3 4 5 6 7 »

Step 5: Enhance HTML template to use ng-bootstrap pagination component

Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"
                    (pageChange)="listProducts()">
    </ngb-pagination>
...
</div>
```

Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"
                    (pageChange)="listProducts()">
    </ngb-pagination>
...
</div>
```

Component will generate
links for pagination

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"
                    (pageChange)="listProducts()">
    </ngb-pagination>
...
</div>
```

Component will generate
links for pagination

Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

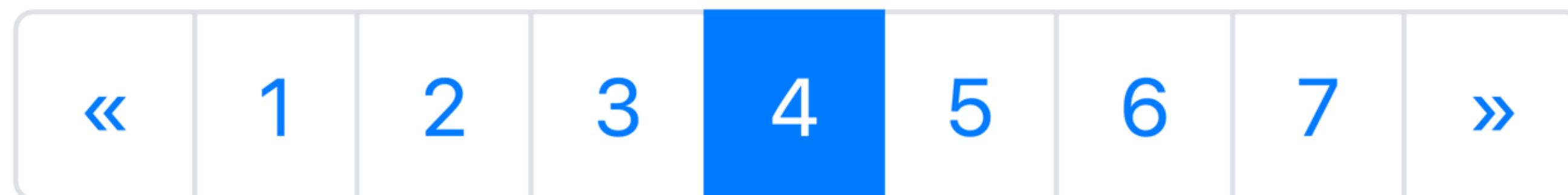luv2code

Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

Special Angular syntax for

Two-Way Data Binding

« 1 2 3 4 5 6 7 »

Step 5: Enhance HTML template to use ng-bootstrap pagination component

Special Angular syntax for

Two-Way Data Binding

File: product-list-grid.component.html

```
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

known as "banana in a box"

| « | 1 | 2 | 3 | 4 | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```
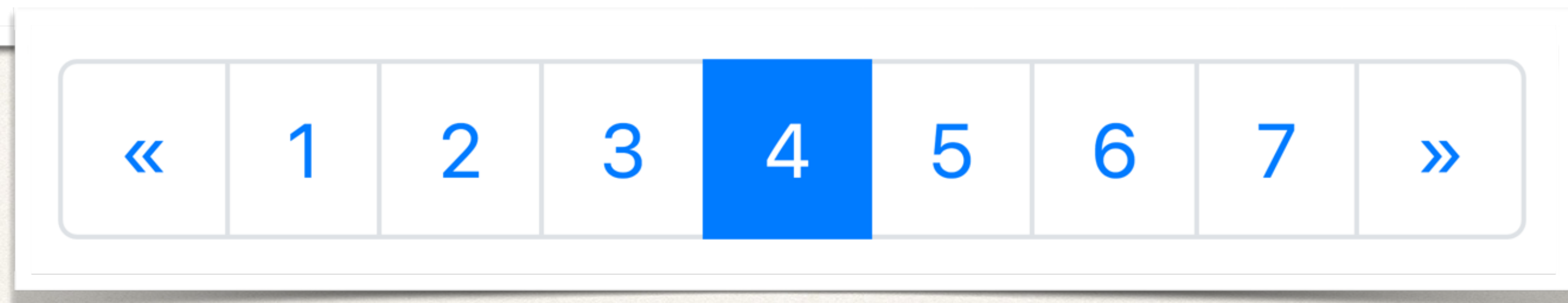
luv2code

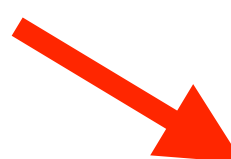# Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

Step 5: Enhance HTML template to use ng-bootstrap pagination component

Two-Way Data Binding

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
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    theTotalElements: number;
    ...
}
```

« 1 2 3 4 5 6 7 »

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

Two-Way Data Binding

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"

    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

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    thePageNumber: number;
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    ...
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```

| « | 1 | 2 | 3 | **4** | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```
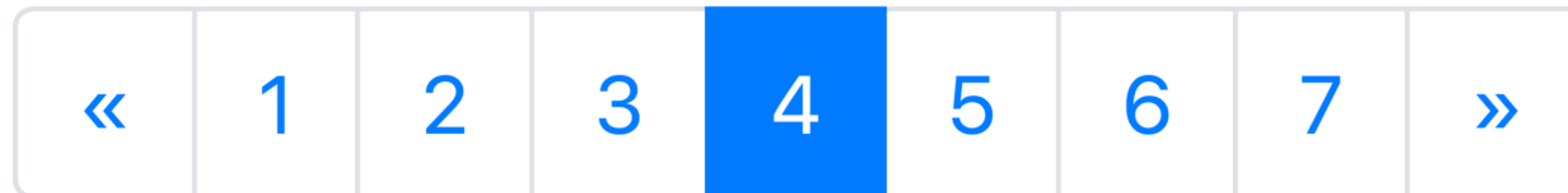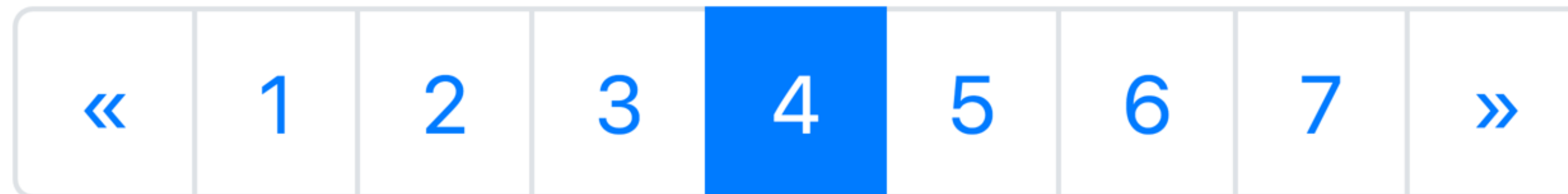
File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

| « | 1 | 2 | 3 | 4 | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```
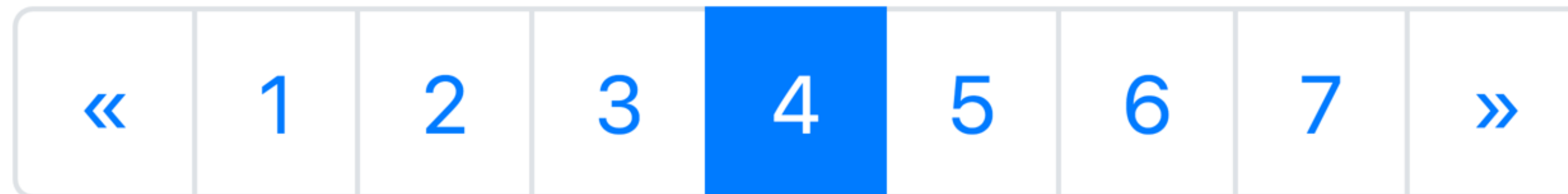
File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

  // new properties for pagination
  thePageNumber: number;
  thePageSize: number;
  theTotalElements: number;
  ...
}
```

> When user clicks a "page" navigation link

| « | 1 | 2 | 3 | **4** | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```
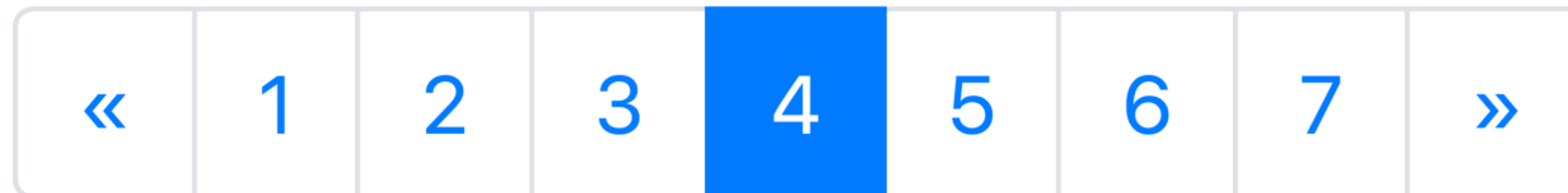
File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```
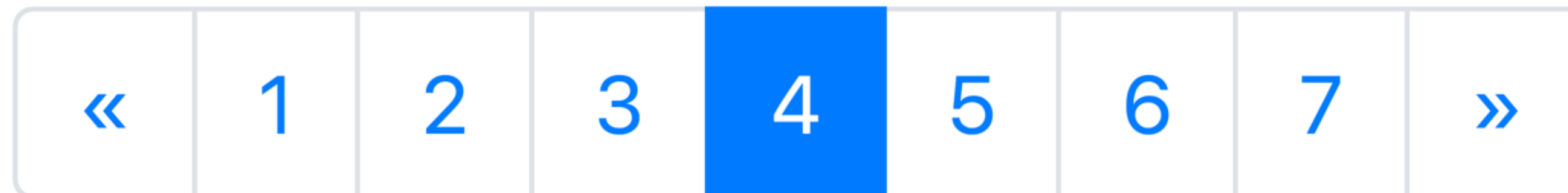
When user clicks a "page" navigation link

In our TypeScript component "thePageNumber" property is updated based on user action

« 1 2 3 4 5 6 7 »

Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

> When user clicks a "page" navigation link

« 1 2 3 **4** 5 6 7 »

> In our TypeScript component "thePageNumber" property is updated based on user action

> If user clicks *4*,
> then "thePageNumber" is set to *4*

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

| « | 1 | 2 | 3 | 4 | 5 | 6 | 7 | » |

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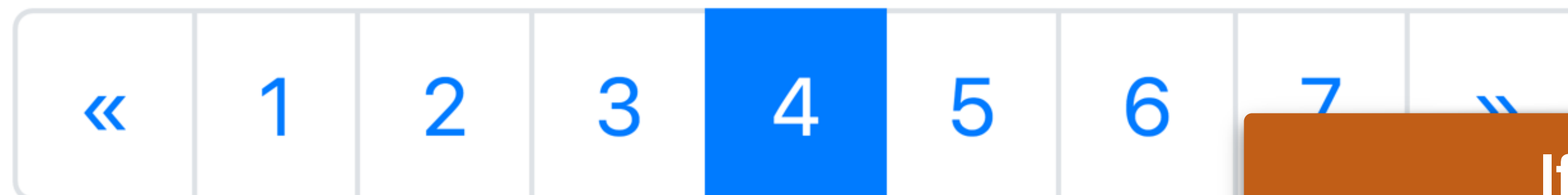# Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```
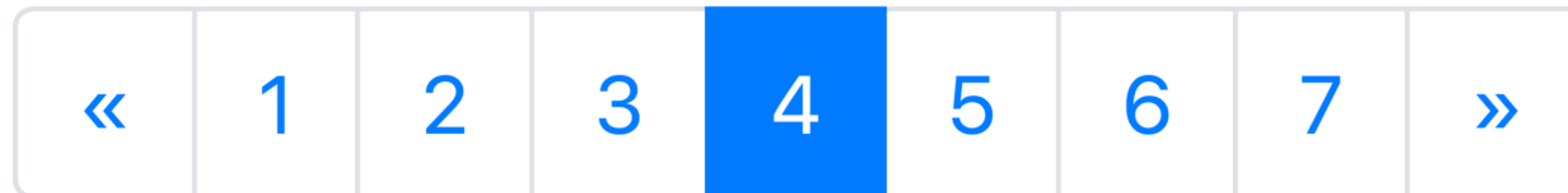
File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
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    theTotalElements: number;
    ...
}
```

« 1 2 3 4 5 6 7 »

If our TypeScript code
updates "thePageNumber"
then UI component is updated
automatically

Current page number is highlighted

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"



    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

Current page number

« 1 2 3 **4** 5 6 7 »

If our TypeScript code updates "thePageNumber" then UI component is updated automatically
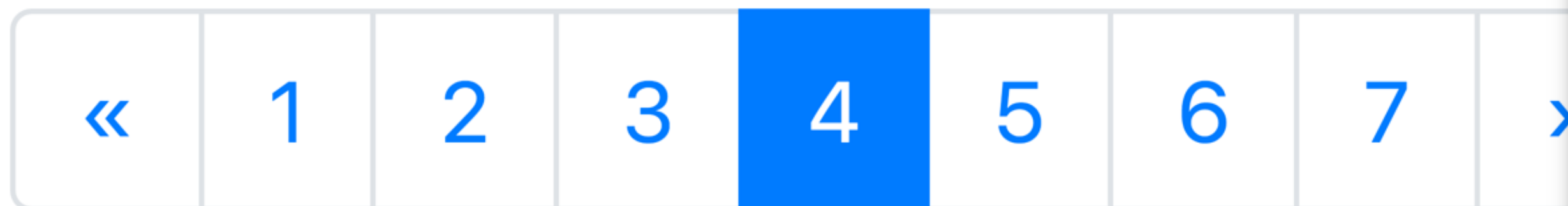
Current page number is highlighted

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"


    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
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}
```

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

Special Angular syntax for

One-Way Data Binding

File:

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"



    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

| « | 1 | 2 | 3 | 4 | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

Special Angular syntax for One-Way Data Binding

File:

```
<div class="footer pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"


    </ngb-pagination>
...
</div>
```
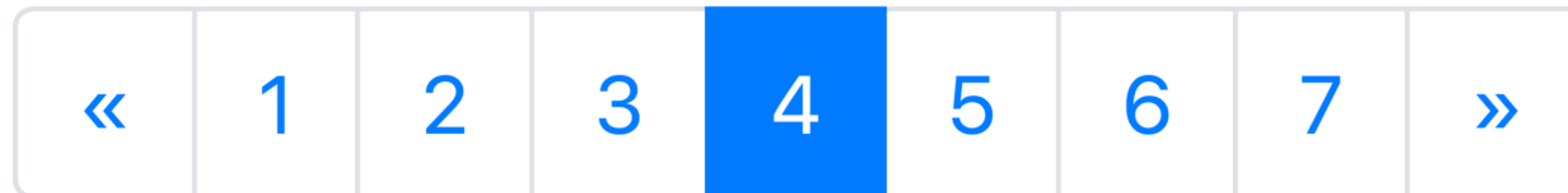
File: product-list.component.ts

```
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```
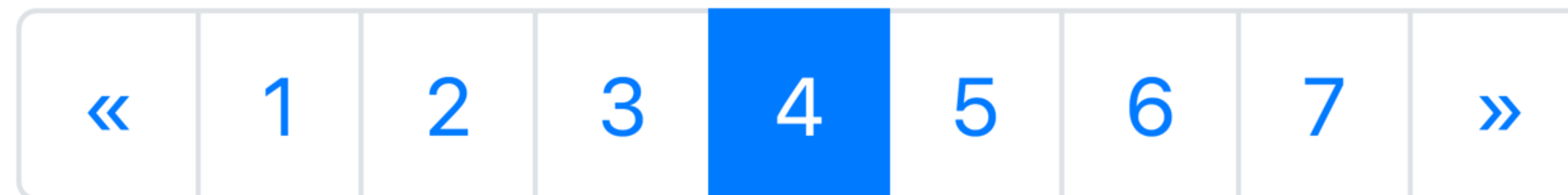
If our TypeScript code updates "thePageSize" then UI component is updated automatically

| « | 1 | 2 | 3 | 4 | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

Special Angular syntax for

One-Way Data Binding

File:

```html
<div class="footer pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"


    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

  // new properties for pagination
  thePageNumber: number;
  thePageSize: number;
  theTotalElements: number;
  ...
}
```

If our TypeScript code updates "thePageSize" then UI component is updated automatically

| « | 1 | 2 | 3 | **4** | 5 | 6 | 7 | » |

luv2code

Step 5: Enhance HTML template to use ng-bootstrap pagination component

Special Angular syntax for

One-Way Data Binding

One-Way Data Binding

File: product-list.component.ts

```html
<div class="footer pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
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    </ngb-pagination>
...
</div>
```

```typescript
export class ProductListComponent implements OnInit {

  // new properties for pagination
  thePageNumber: number;
  thePageSize: number;
  theTotalElements: number;
  ...
}
```

If our TypeScript code updates "thePageSize" then UI component is updated automatically

| « | 1 | 2 | 3 | **4** | 5 | 6 | 7 | » |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
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                    [collectionSize]="theTotalElements"

    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
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                    [collectionSize]="theTotalElements"

    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

«	1	2	3	**4**	5	6	7

> **If our TypeScript code updates "theTotalElements" then UI component is updated automatically**

Step 5: Enhance HTML template to use ng-bootstrap pagination component
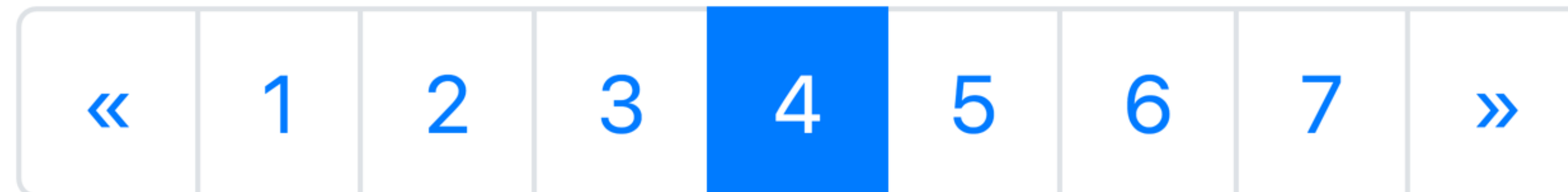
File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"

    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

If our TypeScript code updates "theTotalElements" then UI component is updated automatically

| « | 1 | 2 | 3 | **4** | 5 | 6 | 7 |

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

One-Way Data Binding

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"

    </ngb-pagination>
...
</div>
```
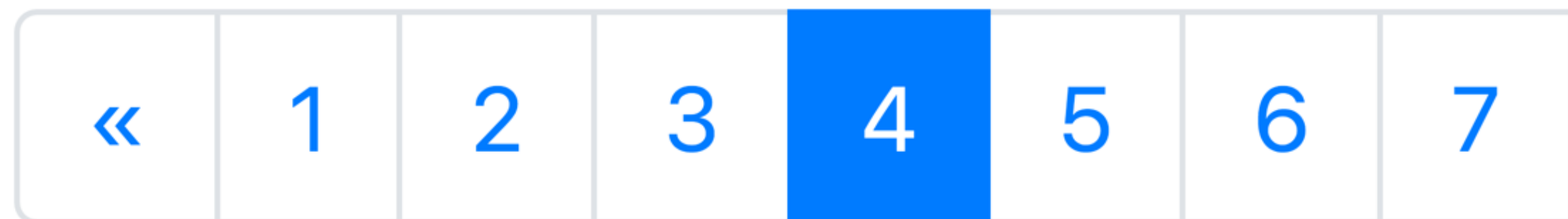
File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

    // new properties for pagination
    thePageNumber: number;
    thePageSize: number;
    theTotalElements: number;
    ...
}
```

If our TypeScript code updates "theTotalElements" then UI component is updated automatically

«	1	2	3	4	5	6	7

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"
                    (pageChange)="listProducts()">
    </ngb-pagination>
...
</div>
```

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

  listProducts() {

    this.searchMode = ...;

    if (this.searchMode) {
      this.handleSearchProducts();
    }
    else {
      this.handleListProducts();
    }
  }
}
```

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"
                    (pageChange)="listProducts()">
  </ngb-pagination>
...
</div>
```
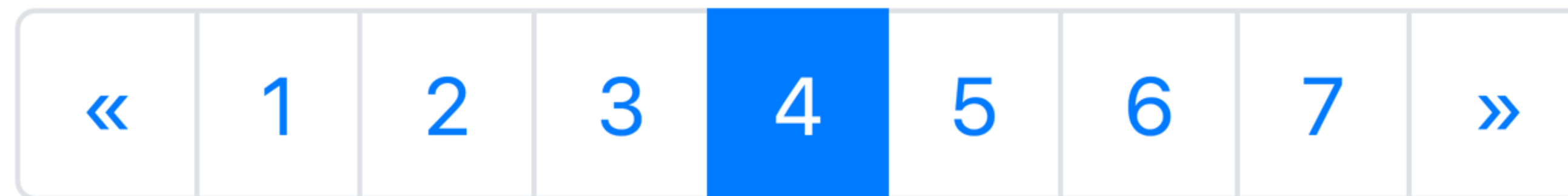
Event-binding:
pageChange event

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

  listProducts() {

    this.searchMode = ...;

    if (this.searchMode) {
      this.handleSearchProducts();
    }
    else {
      this.handleListProducts();
    }
  }
}
```
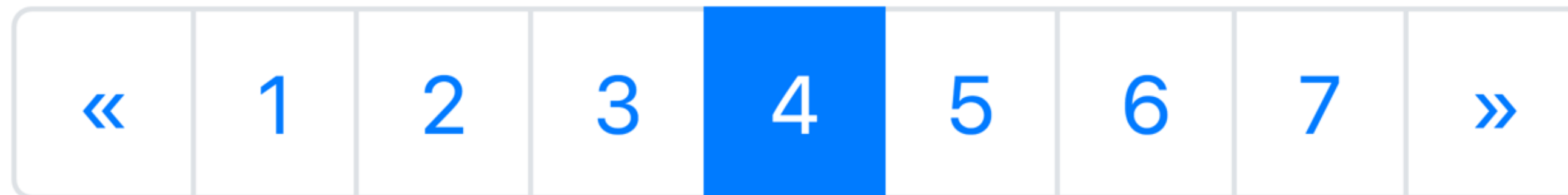
« 1 2 3 4 5 6 7 »

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list-grid.component.html

```html
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
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                    [collectionSize]="theTotalElements"
                    (pageChange)="listProducts()">
  </ngb-pagination>
...
</div>
```

Event-binding:
pageChange event

File: product-list.component.ts

```typescript
export class ProductListComponent implements OnInit {

  listProducts() {

    this.searchMode = ...;

    if (this.searchMode) {
      this.handleSearchProducts();
    }
    else {
      this.handleListProducts();
    }
  }
}
```

When user clicks a "page" navigation link
then call the method:
listProducts()

« 1 2 3 4 5 6

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Step 5: Enhance HTML template to use ng-bootstrap pagination component

File: product-list.component.ts

```
export class ProductListComponent implements OnInit {

  listProducts() {

    this.searchMode = ...;

    if (this.searchMode) {
      this.handleSearchProducts();
    }
    else {
      this.handleListProducts();
    }
  }
}
```

File: product-list-grid.component.html

```
<div class="footer-pagination">
...
    <ngb-pagination [(page)]="thePageNumber"
                    [pageSize]="thePageSize"
                    [collectionSize]="theTotalElements"
                    (pageChange)="listProducts()">

  </ngb-pagination>
...
</div>
```

Event-binding: pageChange event

When user clicks a "page" navigation link then call the method: listProducts()

« 1 2 3 4 5 6

luv2code