

Trường: ĐH Công Thương TP.HCM Khoa: Công nghệ thông tin Bộ môn: Kỹ thuật phần mềm Môn học: Thiết kế web	<div style="text-align: center;"> BÀI 9 BOOTSTRAP (tt) </div>	
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A. MỤC TIÊU:

- Giới thiệu tổng quát về Bootstrap
- Cài đặt Bootstrap
- Web Responsive
- Sử dụng Grid System
- Sử dụng Component Button
- Sử dụng Component Card
- Sử dụng Component image
- Sử dụng Component Carousel

B. NỘI DUNG THỰC HÀNH

1. Cơ sở lý thuyết

1.1. Kiến thức cần nhớ

- Sử dụng bootstrap online

```
<!--Bootstrap 4-->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" />
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
```

- Sử dụng Bootstrap offline

```
<!--Bootstrap offline-->
<link rel="stylesheet" href="css/bootstrap.min.css"/>
<script src="js/bootstrap.min.js"></script>
<script src="js/jquery.min.js"></script>
```

- Responsive Grid

- + Extra small (xs) – below 576px
- + Small (sm) – between 576px and 768px
- + Medium (md) – between 768px and 992px
- + Large (lg) – between 992px and 1200px
- + Extra Large (xl) – over 1200px
- + Extra extra large (xxl) – over 1400px

- Component Button: btn-primary, btn-secondary, btn-success, btn-danger, btn-warning, btn-info, btn-light, btn-dark, btn-link, outline-primary, btn-lg, btn-sm, btn-block
- Component Card: card-body, card-text, card-img-top, card-header, card-title, ...

- Component image: rounded, float, img-thumbnail,
- Component Carousel: carousel, carousel-item, carousel-control-prev, carousel-control-next, carousel-control-prev-icon, ...

Sử dụng các lớp

carousel-inner, carousel-item active, carousel-item → tạo khung trong và các mục trong carousel

Carousel-control-prev, carousel-control-prev-icon, carousel-control-next, carousel-control-next-icon → tạo các control previous và control next trong carousel

B1: Tạo carousel-inner

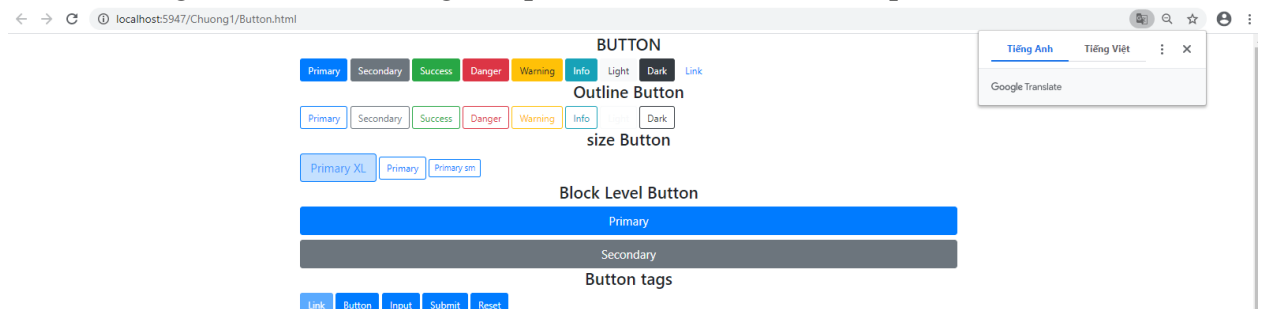
- gồm các carousel-item1, carousel-item2, carousel-item3,

B2: Sử dụng thẻ <a> hoặc control Hyperlink

- Tạo Link Prev và Link Next

1.2. Giới thiệu bài tập mẫu

Bài 1: Tạo trang Bai1.html sử dụng component Button và Bootstrap online như sau:



Hướng dẫn:

```

Bai1.html Button.html
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Button</title>
  <!--Bootstrap 4-->
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" />
  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

  <style>
    [class *= "col"] {
      padding: 5px;
      background-color: #33b5e5;
      border: 2px solid #fff;
      color: #fff;
      text-align: center;
    }
  </style>
</head>

```

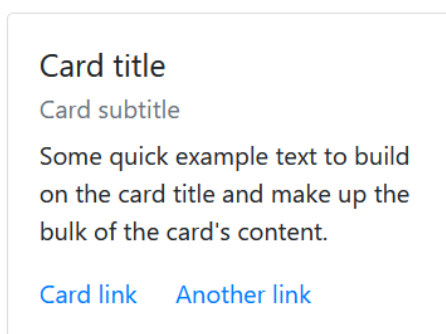
```

Bai1.html Button.html
<body>
  <h3 align="center"> BUTTON </h3>
  <div class="container">
    <button type="button" class="btn btn-primary">Primary</button>
    <button type="button" class="btn btn-secondary">Secondary</button>
    <button type="button" class="btn btn-success">Success</button>
    <button type="button" class="btn btn-danger">Danger</button>
    <button type="button" class="btn btn-warning">Warning</button>
    <button type="button" class="btn btn-info">Info</button>
    <button type="button" class="btn btn-light">Light</button>
    <button type="button" class="btn btn-dark">Dark</button>
    <button type="button" class="btn btn-link">Link</button>
  </div>
  <h3 align="center"> Outline Button </h3>
  <div class="container">
    <button type="button" class="btn btn-outline-primary">Primary</button>
    <button type="button" class="btn btn-outline-secondary">Secondary</button>
    <button type="button" class="btn btn-outline-success">Success</button>
    <button type="button" class="btn btn-outline-danger">Danger</button>
    <button type="button" class="btn btn-outline-warning">Warning</button>
    <button type="button" class="btn btn-outline-info">Info</button>
    <button type="button" class="btn btn-outline-light">Light</button>
    <button type="button" class="btn btn-outline-dark">Dark</button>
  </div>
  <h3 align="center"> size Button </h3>
  <div class="container">
    <button type="button" class="btn btn-outline-primary btn-lg">Primary XL</button>
    <button type="button" class="btn btn-outline-primary ">Primary</button>
    <button type="button" class="btn btn-outline-primary btn-sm">Primary sm</button>
  </div>
  <h3 align="center"> Block Level Button </h3>
  <div class="container">
    <button type="button" class="btn btn-primary btn-lg btn-block">Primary </button>
    <button type="button" class="btn btn-secondary btn-lg btn-block ">Secondary</button>
  </div>
  ...
  <h3 align="center"> Button tags</h3>
  <div class="container">
    <a class="btn btn-primary disabled" href="#" role="button">Link</a>
    <button class="btn btn-primary" type="submit">Button</button>
    <input class="btn btn-primary" type="button" value="Input">
    <input class="btn btn-primary" type="submit" value="Submit">
    <input class="btn btn-primary" type="reset" value="Reset">
  </div>

```

2. Bài tập tại lớp

Bai 2: Tạo trang Bai2.html sử dụng component Card và Bootstrap online như sau:



Hướng dẫn:

```

<h3 align="center">Title Text Link</h3>
<div class="container">
  <div class="card" style="width: 18rem;">
    <div class="card-body">
      <h5 class="card-title">Card title</h5>
      <h6 class="card-subtitle mb-2 text-muted">Card subtitle</h6>
      <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
      <a href="#" class="card-link">Card link</a>
      <a href="#" class="card-link">Another link</a>
    </div>
  </div>
</div>

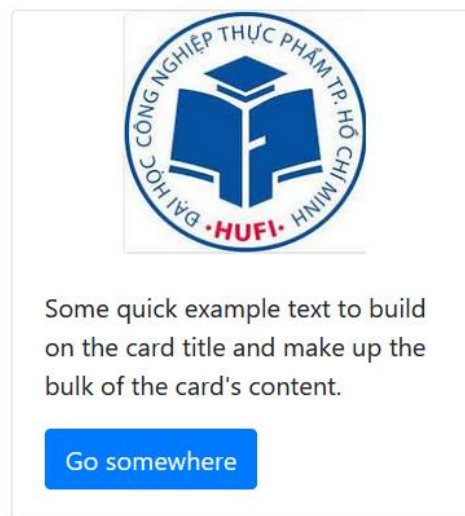
```

```

<h3 align="center">Title Text Link</h3>
<div class="container">
  <div class="card" style="width: 18rem;">
    <div class="card-body">
      <h5 class="card-title">Card title</h5>
      <h6 class="card-subtitle mb-2 text-muted">Card subtitle</h6>
      <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
      <a href="#" class="card-link">Card link</a>
      <a href="#" class="card-link">Another link</a>
    </div>
  </div>
</div>

```

Bài 3: Tạo trang Bai3.html sử dụng component Card và Bootstrap online như sau:



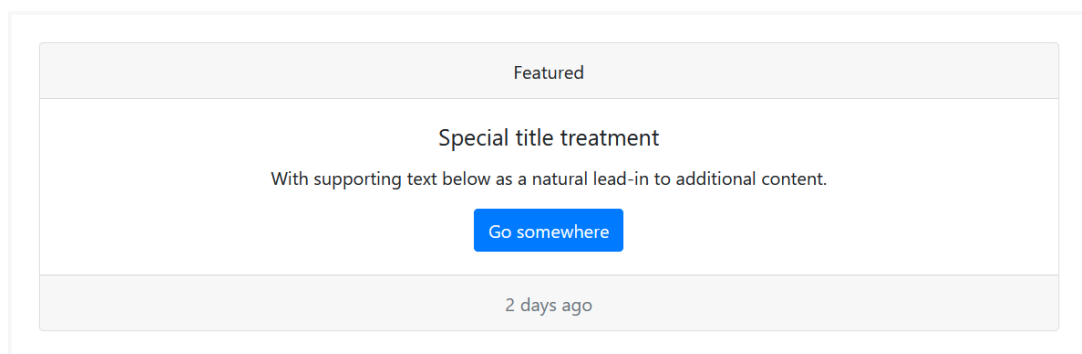
Hướng dẫn:

```

<h3 align="center">Card Image</h3>
<div class="container">
  <div class="card" style="width: 18rem;">
    <center></center>
    <div class="card-body">
      <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
      <a href="#" class="btn btn-primary">Go somewhere</a>
    </div>
  </div>
</div>

```

Bài 4: Tạo trang Bai4.html sử dụng component Card và Bootstrap online như sau:



Hướng dẫn:

Sử dụng

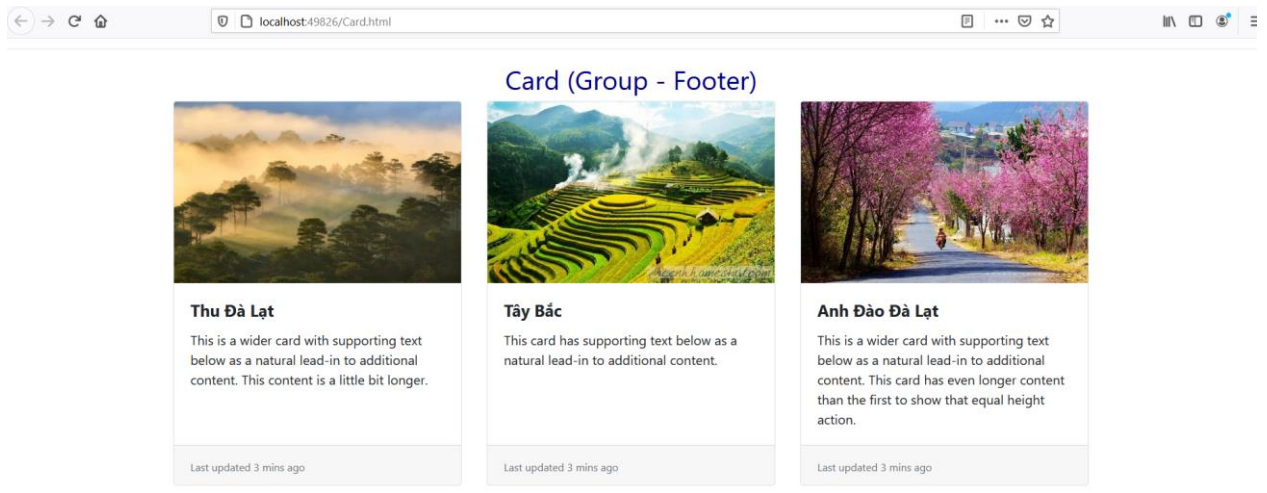
class="card-header"
class="card-footer text-muted"

Bài 5: Tạo trang Bai5.html sử dụng component - Card và Bootstrap online như sau:

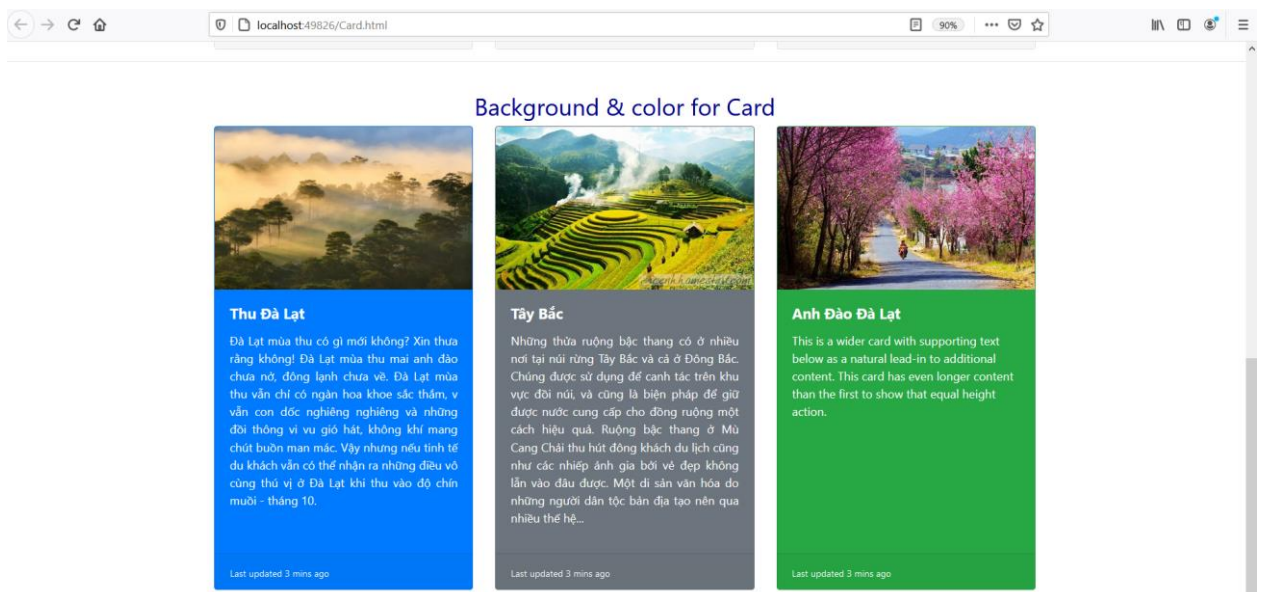


Bài 6: Tạo trang Bai6.html sử dụng component - Card group & card footer và Bootstrap online như sau:

Hướng dẫn: sử dụng các class: container, row, col, card, card-body, card-title, card-text, card, card-footer, text-muted

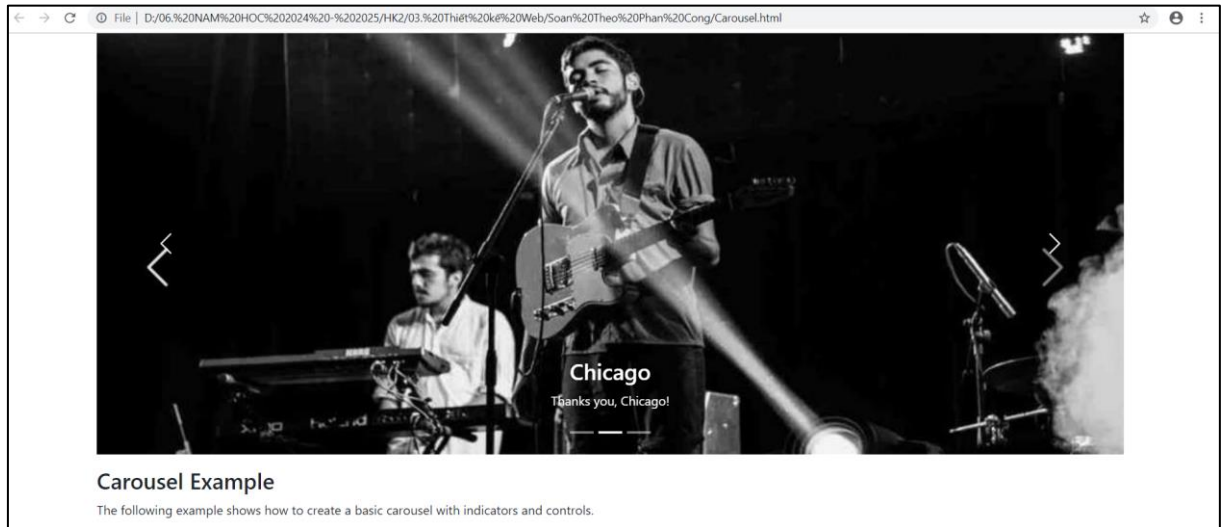


Bài 7: Tạo trang Bai7.html sử dụng component - Card group & card footer và Bootstrap online như sau:



Hướng dẫn: sử dụng các class: container, row, col, card, card-body, card-title, card-text, card, card-footer, text-white, bg-primary, bg-secondary, bg-success, bg-danger, bg-warning, bg-info, bg-light, bg-dark,...

Bài 8: Tạo trang Bai8.html sử dụng component Carousel và Bootstrap online như sau:



Hướng dẫn:

```
<!-- Carousel -->
```

```
<div id="demo" class="carousel slide" data-bs-ride="carousel">
```

```
<!-- Indicators/dots -->
```

```
<div class="carousel-indicators">
```

```
<button type="button" data-bs-target="#demo" data-bs-slide-to="0"
class="active"></button>
```

```
<button type="button" data-bs-target="#demo" data-bs-slide-to="1"></button>
```

```
<button type="button" data-bs-target="#demo" data-bs-slide-to="2"></button>
```

```
</div>
```

```
<!-- The slideshow/carousel -->
```

```
<div class="carousel-inner">
```

```
<div class="carousel-item active">
```

```

```

```
</div>
```

```
<div class="carousel-item">
```

```

```

```
</div>
```

```
<div class="carousel-item">
```

```

```

```
</div>
```

```
</div>
```

```
<!-- Left and right controls/icons -->
```

```
<button class="carousel-control-prev" type="button" data-bs-target="#demo" data-bs-
```



```

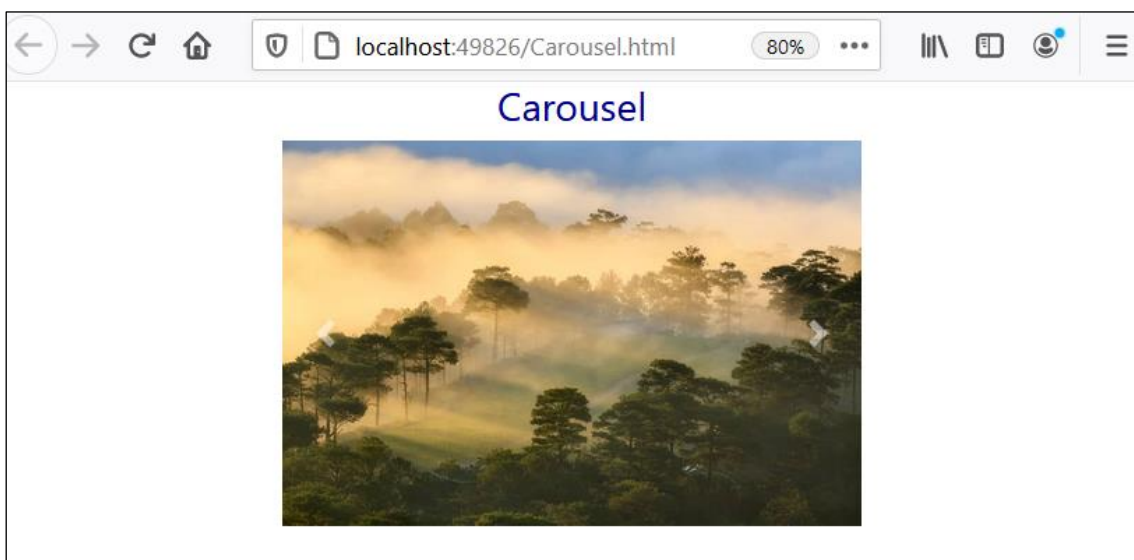
slide="prev">
  <span class="carousel-control-prev-icon"></span>
</button>
<button class="carousel-control-next" type="button" data-bs-target="#demo" data-bs-
slide="next">
  <span class="carousel-control-next-icon"></span>
</button>
</div>

```

Bài 9: Tạo trang Bai9.html sử dụng component - Carousel và Bootstrap online như sau:

Yêu cầu:

- Sử dụng 4 image trong khung carousel-inner
- Lấy full kích thước các ảnh
- Kích thước carousel = 50% kích thước trang



Hướng dẫn:

B1: Tạo carousel-inner gồm các carousel- item1, carousel- item2, carousel- item3,

```

15 <div id="carouselExampleControls" class="carousel w-50 mx-auto" data-ride="carousel">
16   <div class="carousel-inner">
17     <div class="carousel-item active">
18       
19     </div>
20     <div class="carousel-item">
21       
22     </div>
23     <div class="carousel-item">
24       
25     </div>
26   </div>

```

B2: Sử dụng thẻ <a> hoặc control Hyperlink tạo Link Prev và Link Next

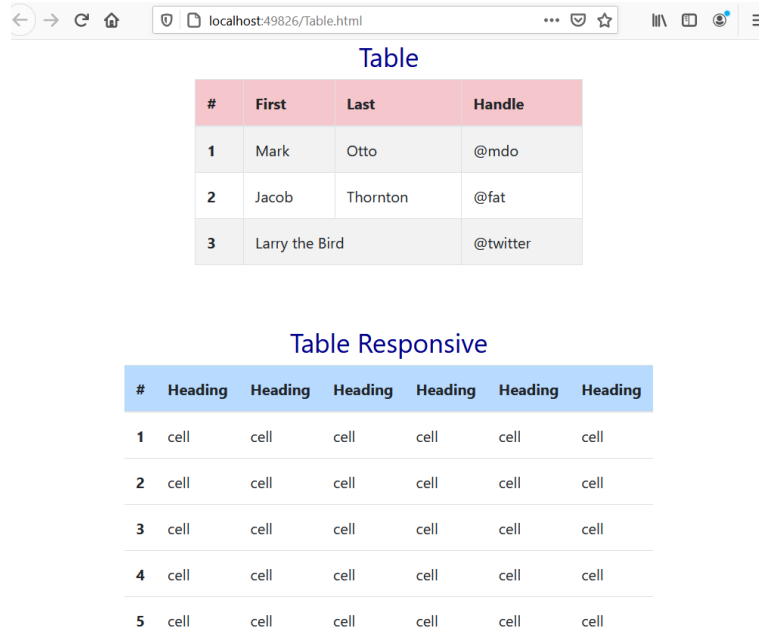
```

27 <a class="carousel-control-prev" href="#carouselExampleControls" role="button" data-slide="prev">
28   <span class="carousel-control-prev-icon" aria-hidden="true"></span>
29   <span class="sr-only">Previous</span>
30 </a>
31 <a class="carousel-control-next" href="#carouselExampleControls" role="button" data-slide="next">
32   <span class="carousel-control-next-icon" aria-hidden="true"></span>
33   <span class="sr-only">Next</span>
34 </a>
35 </div>

```

3. Bài tập về nhà

Bài 10: Tạo trang Bai10.html sử dụng Component - Table responsive tạo bảng như sau:



The screenshot shows a web browser window with the address bar displaying 'localhost:49826/Table.html'. The page contains two tables. The first table, titled 'Table', has a pink header and three data rows. The second table, titled 'Table Responsive', has a blue header and five data rows.

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

#	Heading	Heading	Heading	Heading	Heading	Heading
1	cell	cell	cell	cell	cell	cell
2	cell	cell	cell	cell	cell	cell
3	cell	cell	cell	cell	cell	cell
4	cell	cell	cell	cell	cell	cell
5	cell	cell	cell	cell	cell	cell

Yêu cầu: Sử dụng các lớp `.table`, `.table-striped`, `.table-bordered`, `.table-hover`, `.table-dark`, `.table-borderless`, `.table-responsive-sm`, `.table-responsive-md`, `.table-responsive-lg`, `.table-responsive-xl`,...; Thử resize WebBrowser để thấy hiệu quả của table responsive