

Trường: ĐH Công Thương TP.HCM
Khoa: Công nghệ thông tin
Bộ môn: Kỹ thuật phần mềm
Môn học: Thiết kế web

BÀI 9

BOOTSTRAP (tt)



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

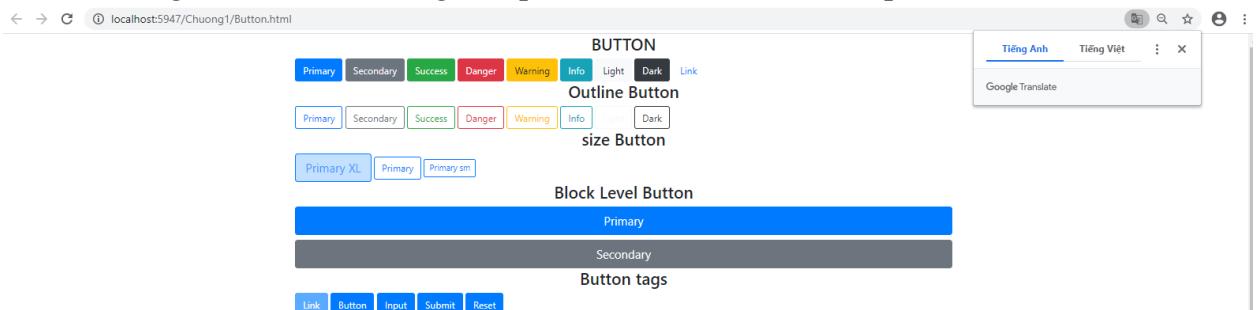
- gồm các carousel-item1, carousel-item2, carousel-item3,

B2: Sử dụng thẻ <a> hoặc control Hyperlink

- Tạo Link Prev và Link Next

1.2. Giới thiệu bài tập mẫu

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



Hướng dẫn:

```

Bai1.html      Button.html + X
<!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>

```

```

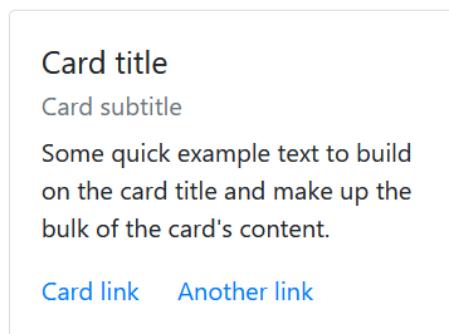
Bai1.html      Button.html ✘ ×


<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>

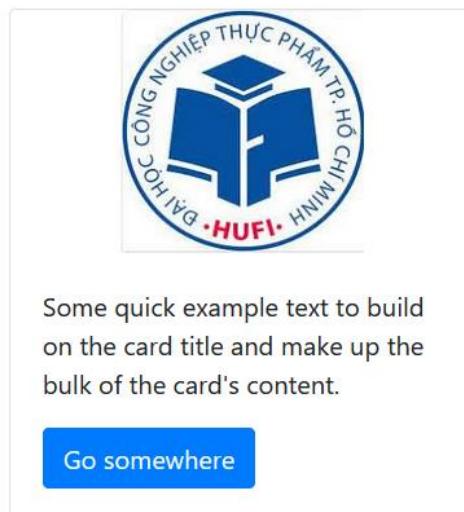
```

```

<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>

```

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



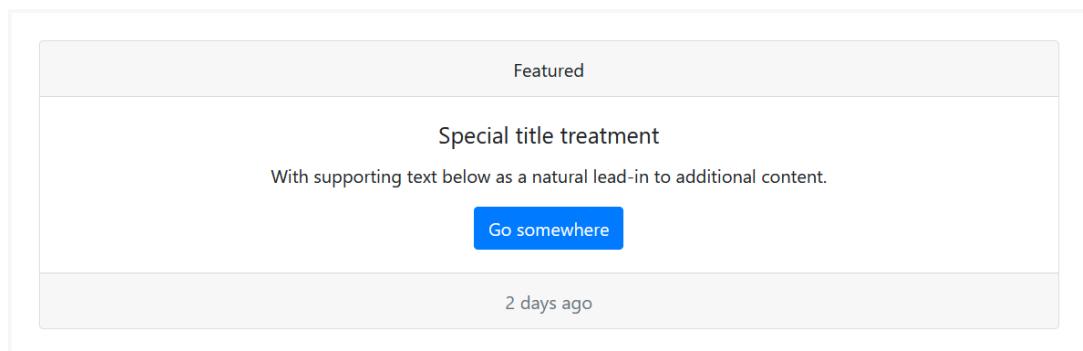
Hướng dẫn:

```

<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

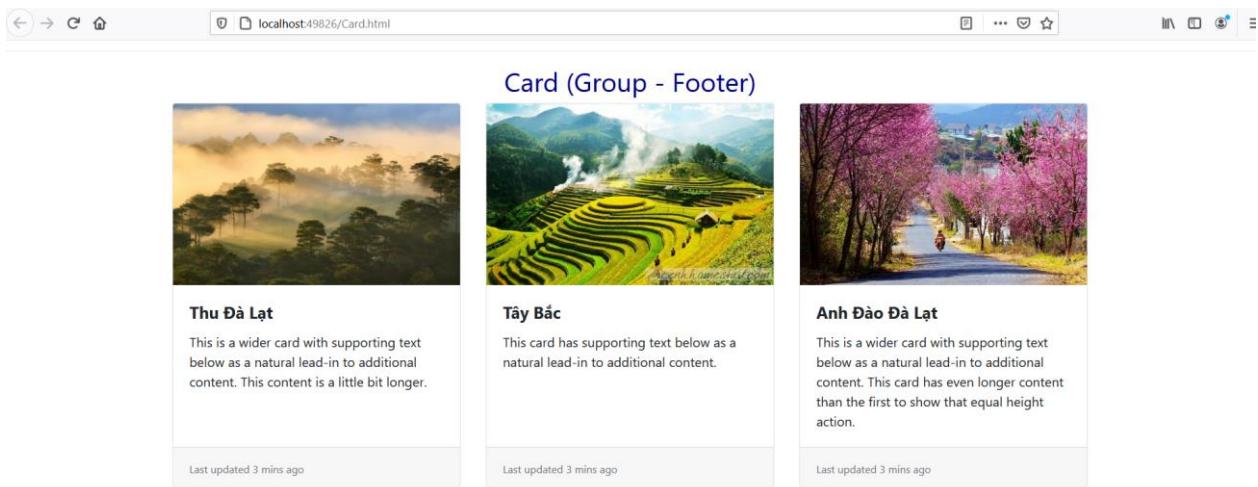
```
class="card-header"  
class="card-footer text-muted"
```

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

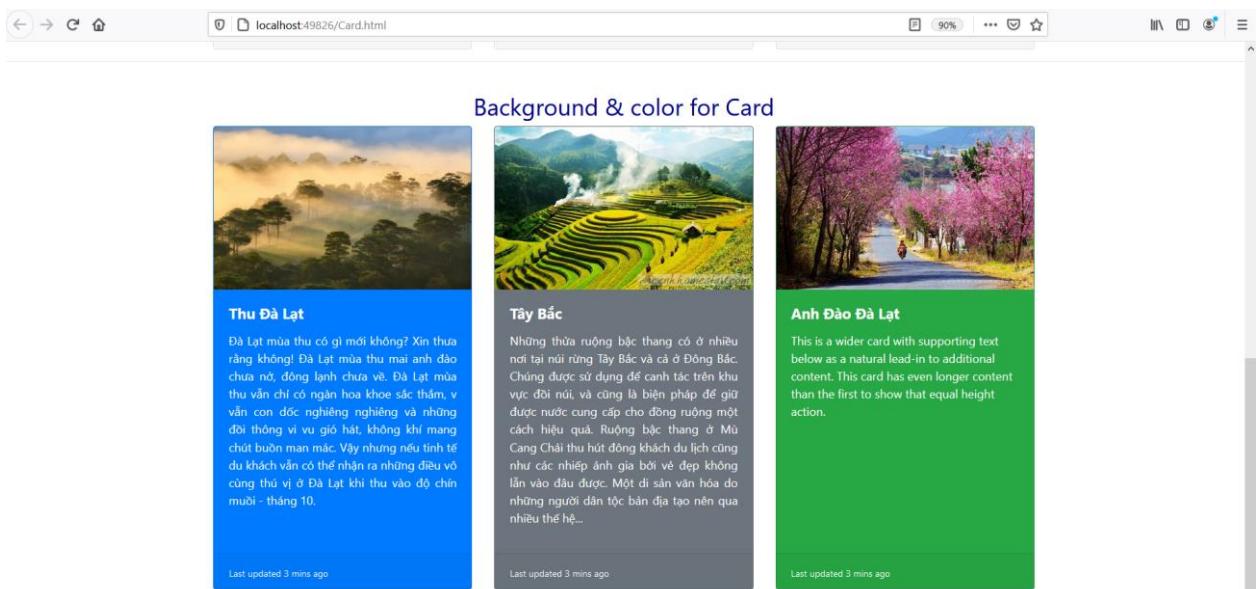


Bài 6: Tạo trang Bai6.html sử dụng component - Card group & card footer và Bootstrap online như sau:

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-
```

```

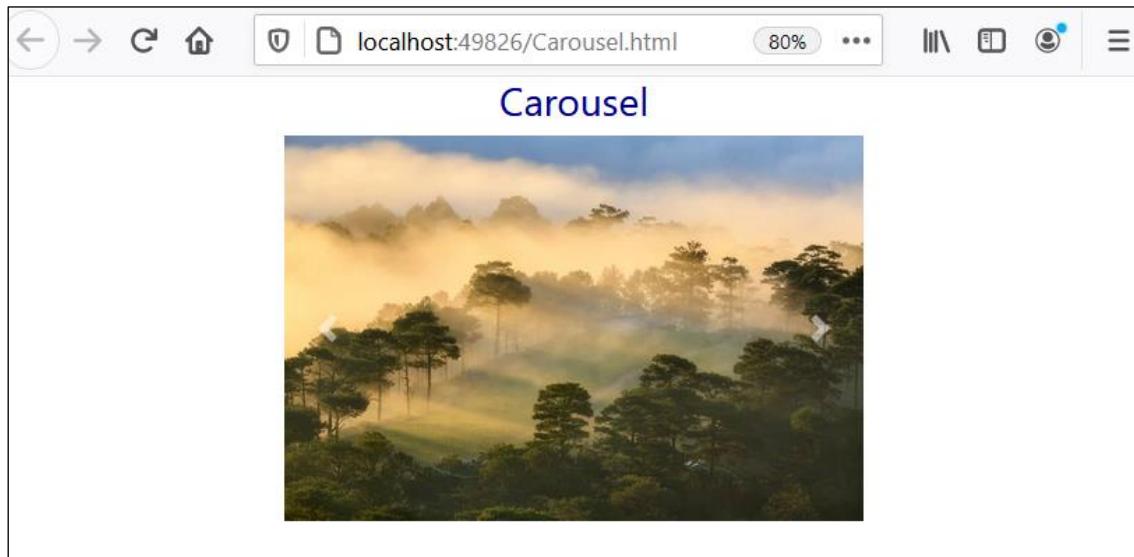
slide="prev">
    <span class="carousel-control-prev-icon"></span>
</button>
<button class="carousel-control-next" type="button" data-bs-target="#demo" data-bs-slide="next">
    <span class="carousel-control-next-icon"></span>
</button>
</div>

```

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:

#	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-hover, .table-borderless, .table-responsive-sm, .table-responsive-md, .table-responsive-lg, .table-responsive-xl,...; Thử resize WebBrowser để thấy hiệu quả của table responsive