

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

BÀI 10

BOOTSTRAP (tt)



A. MỤC TIÊU:

- Sử dụng Component Dropdowns
- Sử dụng Component Navs & Navbar
- Sử dụng Component icons
- Sử dụng Component Forms

B. NỘI DUNG THỰC HÀNH

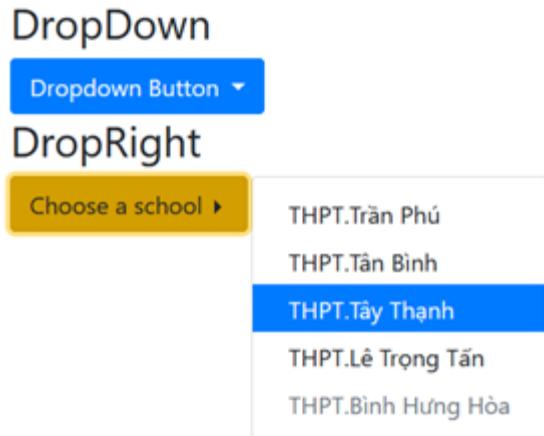
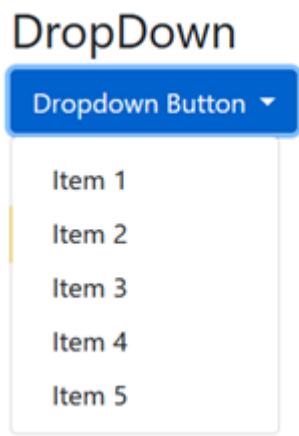
1. Cơ sở lý thuyết

1.1. Kiến thức cần nhớ

- Component Dropdowns
 - Sử dụng các lớp: dropdown, dropdown-menu, dropdown-item, btn-group dropdownright, dropstart, dropend, dropdown, active, disabled.
- Component Navs
 - Sử dụng các lớp: nav, nav-item, nav-link
 - + Nav ngang sử dụng một số lớp để canh lè cho Menu
 - .justify-content-start → Canh lè trái
 - .justify-content-center → Canh giữa
 - .justify-content-end → Canh lè phải
 - + Nav đứng: dùng kèm lớp .flex-column
 - + Nav Pill: dùng kèm lớp .nav-pills
 - + Nav tabs: dùng kèm lớp .nav-tabs
 - + Nav bar: dùng các lớp .navbar, .navbar-brand, .navbar-toggler-icon, .
- Component icons: Tùy từng icon khác nhau mà path sẽ khác nhau; Tham khảo <https://v5.getbootstrap.com/docs/5.0/extend/icons/> hoặc http://www.w3schools.com/icons/fontawesome5_intro.asp để lấy các icon
- Component Forms: Sử dụng các lớp form-control; form-check-label; is-valid và is-invalid; valid-feedback, invalid-feedback, text-muted;

1.2. Giới thiệu bài tập mẫu

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



Yêu cầu:

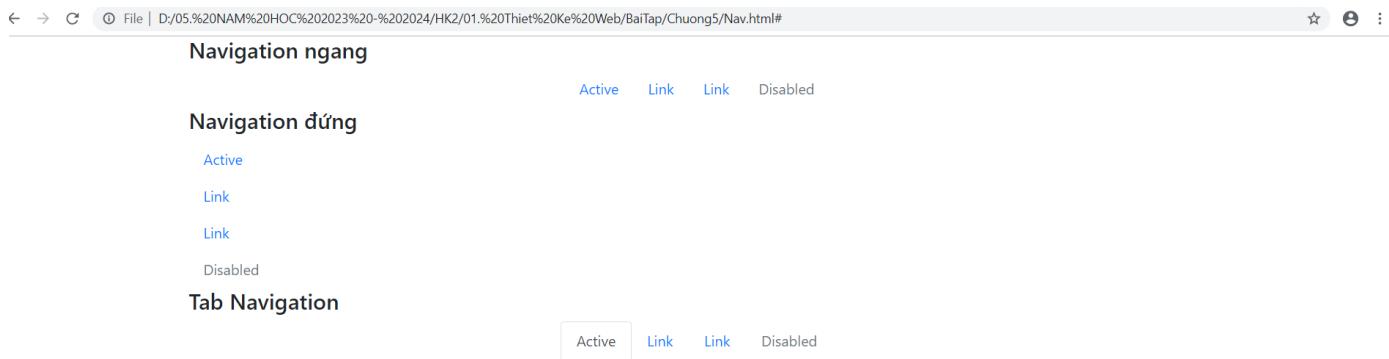
- dropdown-menu, dropdown-item → Tạo dropdown
- btn-group dropright, dropdown-item, active, disabled → tạo menu dropright
- btn-group dropleft, btn-group dropdown → tạo menu dropdown

Hướng dẫn:

```
<h3> DropDown</h3>
    <div class="dropdown">
        <button class="btn btn-primary dropdown-toggle" type="button"
id="dropdownMenuButton" data-toggle="dropdown" aria-expanded="false">
            Dropdown Button
        </button>
        <ul class="dropdown-menu">
            <li><a class="dropdown-item" href="#">Item 1</a></li>
            <li><a class="dropdown-item" href="#">Item 2</a></li>
            <li><a class="dropdown-item" href="#">Item 3</a></li>
            <li><a class="dropdown-item" href="#">Item 4</a></li>
            <li><a class="dropdown-item" href="#">Item 5</a></li>
        </ul>
    </div>
<h3> DropRight</h3>
    <div class="btn-group dropright">
        <button type="button" class="btn btn-warning dropdown-toggle" data-
toggle="dropdown" aria-expanded="false">
            Choose a school
        </button>
        <ul class="dropdown-menu">
            <li><a class="dropdown-item" href="#">THPT.Trần Phú</a></li>
            <li><a class="dropdown-item" href="#">THPT.Tân Bình</a></li>
            <li><a class="dropdown-item active" href="#">THPT.Tây Thạnh</a></li>
            <li><a class="dropdown-item" href="#">THPT.Lê Trọng Tấn</a></li>
            <li><a class="dropdown-item disabled" href="#">THPT.Bình Hưng
Hòa</a></li>
        </ul>
    </div>
```

2. Bài tập tại lớp

Bài 2: Tạo trang Bai2.html sử dụng component - Nav ngang, Nav đứng và Nav tab như sau:



Hướng dẫn:

```
<body>
    <div class="container">
        <h4>Navigation ngang</h4>
        <ul class="nav justify-content-center">
            <li class="nav-item">
                <a class="nav-link active" aria-current="page" href="#">Active</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#">Link</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#">Link</a>
            </li>
            <li class="nav-item">
                <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Disabled</a>
            </li>
        </ul>
    </div>

    <div class="container">
        <h4>Navigation đứng</h4>
        <nav class="nav flex-column">
            <a class="nav-link active" aria-current="page" href="#">Active</a>
            <a class="nav-link" href="#">Link</a>
            <a class="nav-link" href="#">Link</a>
            <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Disabled</a>
        </nav>
    </div>
    <div class="container">
        <h4> Tab Navigation</h4>
        <ul class="nav nav-tabs justify-content-center">
            <li class="nav-item">
                <a class="nav-link active" href="#" aria-current = "page"> Active</a>
            </li>
            <li class="nav-item">
```

```

        <a class="nav-link" href="#"> Link</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="#"> Link</a>
    </li>
    <li class="nav-item">
        <a class="nav-link disabled" href="#" tabindex="-1" >Disabled</a>
    </li>
</ul>
</div>
</body>

```

Bài 3: Tạo trang Bai3.html sử dụng component - Navbar ngang kết hợp dropdown và navbar-brand:



Hướng dẫn:

```

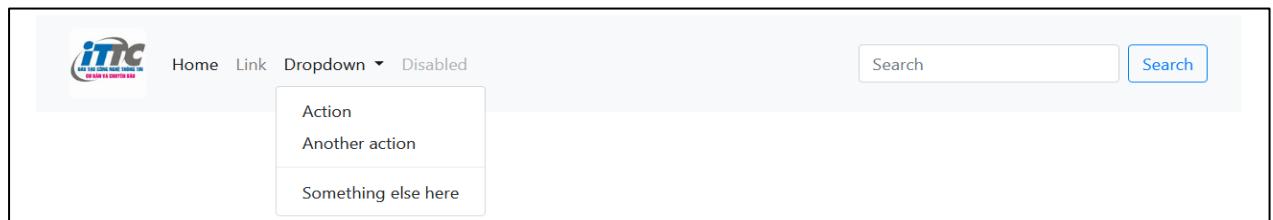
<h4> Navbar </h4>
<nav class="navbar navbar-expand-lg navbar-light bg-dark navbar-dark">
    <div class="container-fluid">
        <a class="navbar-brand" href="#">ITTC</a>
        <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav ms-auto mb-2 mb-lg-0">
                <li class="nav-item">
                    <a class="nav-link active" aria-current="true" href="#">Home</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="#">Link</a>
                </li>
                <li class="nav-item dropdown">
                    <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown"
role="button" data-toggle="dropdown" aria-expanded="false">
                        Dropdown
                    </a>
                    <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                        <li><a class="dropdown-item" href="#">Action</a></li>
                        <li><a class="dropdown-item" href="#">Another action</a></li>
                        <li><hr class="dropdown-divider"/></li>
                    </ul>
                </li>
            </ul>
        </div>
    </div>
</nav>

```

```

            <li><a class="dropdown-item" href="#">Something else here</a></li>
        </ul>
    </li>
    <li class="nav-item">
        <a class="nav-link disabled" href="#" tabindex="-1" aria-disabled="true">Disabled</a>
    </li>
</ul>
<input class="form-control mr-2 w-25" type="search" placeholder="Search" aria-label="Search">
<button class="btn btn-success" type="submit">Search</button>
</div>
</div>
</nav>

```



Hướng dẫn:

```

<h4> Navbar </h4>
<nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container-fluid">
        <a class="navbar-brand" href="#"></a>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto mb-2 mb-lg-0">
                <li class="nav-item">
                    <a class="nav-link active" aria-current="true" href="#">Home</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="#">Link</a>
                </li>
                <li class="nav-item dropdown">
                    <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-toggle="dropdown" aria-expanded="false">
                        Dropdown
                    </a>
                    <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                        <li><a class="dropdown-item" href="#">Action</a></li>
                        <li><a class="dropdown-item" href="#">Another action</a></li>
                        <li><hr class="dropdown-divider"/></li>
                        <li><a class="dropdown-item" href="#">Something else here</a></li>
                    </ul>
                </li>
            <li class="nav-item">

```

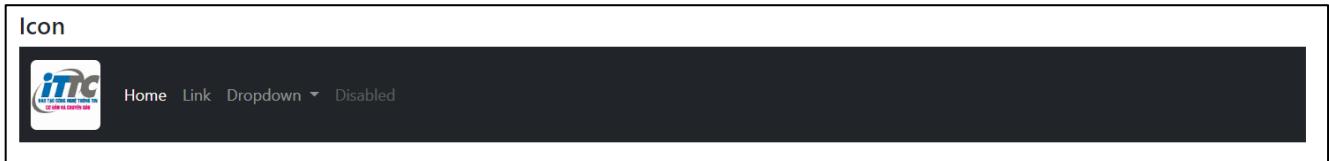
```

        <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Disabled</a>
    </li>
</ul>
<input class="form-control mr-2 w-25" type="search"
placeholder="Search" aria-label="Search">
    <button class="btn btn-outline-primary"
type="submit">Search</button>
</div>
</div>
</nav>

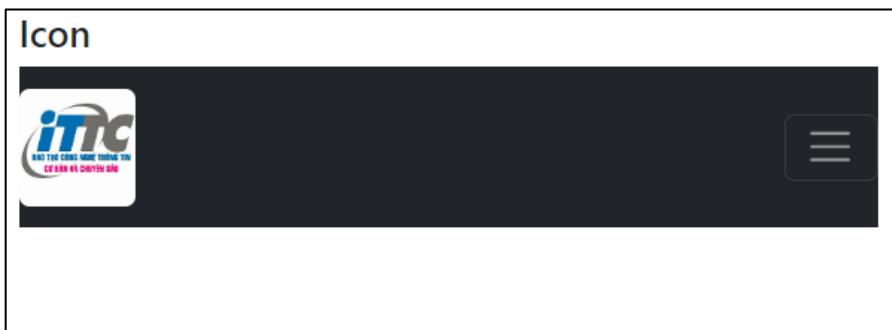
```

Bài 4: Tạo trang Bai4.html sử dụng component Navbar, dropdown, collapse tạo Navbar và responsive trên mobile, tablet, pc, laptop như sau:

Giao diện PC, Laptop :



Giao diện Mobile:



Hướng dẫn:

```

<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
    <div class="container-fluid">
        <a class="navbar-brand" href="#"></a>
        <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#collapsibleNavbar">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="collapsibleNavbar">
            <ul class="navbar-nav mr-auto mb-2 mb-lg-0">
                <li class="nav-item">
                    <a class="nav-link active" aria-current="true" href="#">Home</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="#">Link</a>
                </li>
            </ul>
        </div>
    </div>
</nav>

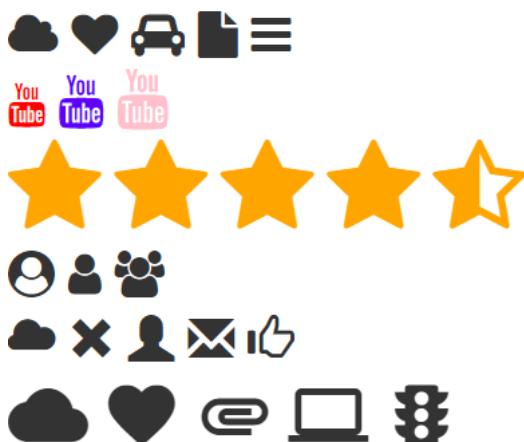
```

```

        </li>
        <li class="nav-item dropdown">
            <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown"
role="button" data-toggle="dropdown" aria-expanded="false">
                Dropdown
            </a>
            <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                <li><a class="dropdown-item" href="#">Action</a></li>
                <li><a class="dropdown-item" href="#">Another action</a></li>
                <li><hr class="dropdown-divider"/></li>
                <li><a class="dropdown-item" href="#">Something else here</a></li>
            </ul>
        </li>
        <li class="nav-item">
            <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Disabled</a>
        </li>
    </ul>
</div>
</div>
</nav>

```

Bài 5: Tạo trang Bai5.html sử dụng Component Icon như sau hiển thị một số icon như sau:



Hướng dẫn:

- Dùng Font Awesome
- Dùng Bootstrap
- Dùng Google Icon

```

<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Icon Font</title>
<!--Font Awesome 5 Icons-->
<script src="https://kit.fontawesome.com/yourcode.js"
crossorigin="anonymous"></script>

```

```

<!--Font Awesome 4 Icons-->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<!--Bootstrap 3 Icons-->
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
<!--Google Icons-->
    <link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">
</head>

```

```

<body>
    <!--Font Awesome 5 Icons-->
    <i class="fas fa-band-aid"></i>
    <i class="fas fa-cat"></i>
    <i class="fas fa-dragon"></i>
    <i class="far fa-clock"></i>
    <i class="fas fa-clock"></i><br>

    <!--Font Awesome 4 Icons-->
    <i class="fa fa-cloud"></i>
    <i class="fa fa-heart"></i>
    <i class="fa fa-car"></i>
    <i class="fa fa-file"></i>
    <i class="fa fa-bars"></i><br>
    <i class="fa fa-youtube" style="color: red;font-size: small;"></i>
    <i class="fa fa-youtube" style="color: rgb(96, 0, 251);font-size:medium;"></i>
    <i class="fa fa-youtube" style="color:pink;font-size:large;"></i>
    <br>
    <i class="fa fa-star" style="color: orange;font-size: 30px;"></i>
    <i class="fa fa-star-half-full" style="color: orange;font-size: 30px;"></i>
    <br>
    <i class="fa fa-user-circle"></i>
    <i class="fa fa-user"></i>
    <i class="fa fa-users"></i>
    <br>

    <!--Bootstrap 3 Icons-->
    <i class="glyphicon glyphicon-cloud"></i>
    <i class="glyphicon glyphicon-remove"></i>
    <i class="glyphicon glyphicon-user"></i>
    <i class="glyphicon glyphicon-envelope"></i>
    <i class="glyphicon glyphicon-thumbs-up"></i><br>

    <!--Google Icons-->
    <i class="material-icons">cloud</i>
    <i class="material-icons">favorite</i>
    <i class="material-icons">attachment</i>

```

```

<i class="material-icons">computer</i>
<i class="material-icons">traffic</i>

</body>

```

Bài 6: Tạo trang Bai6.html sử dụng component - Form tạo form như sau:

Yêu cầu:

- Sử dụng grid System tạo form đăng nhập như hình
- Đảm bảo Responsive cho Form_DN trên các thiết bị mobile và desktop theo tỉ lệ như sau: `class="col-12 col-sm-6 col-md-4"`
- Sử dụng các lớp form-control, form-group, is-valid và is-invalid, valid-feedback, invalid-feedback, text-muted,...

Hướng dẫn:

```

<form id="form1" class="needs-validation">
    <div class="container">
        <div class="row justify-content-center">
            <div class="col-12 col-sm-6 col-md-4">
                <div class="main">
                    <br/>
                </div>
                <div class="form-group">
                    <label for="username">UserName</label>
                    <input type="text" name ="username" id="username" class="form-control is-invalid" value="Enter your username" required />
                    <div class="invalid-feedback">Must to enter your username</div>
                </div>
                <div class="form-group">
                    <label for="password">Password</label>

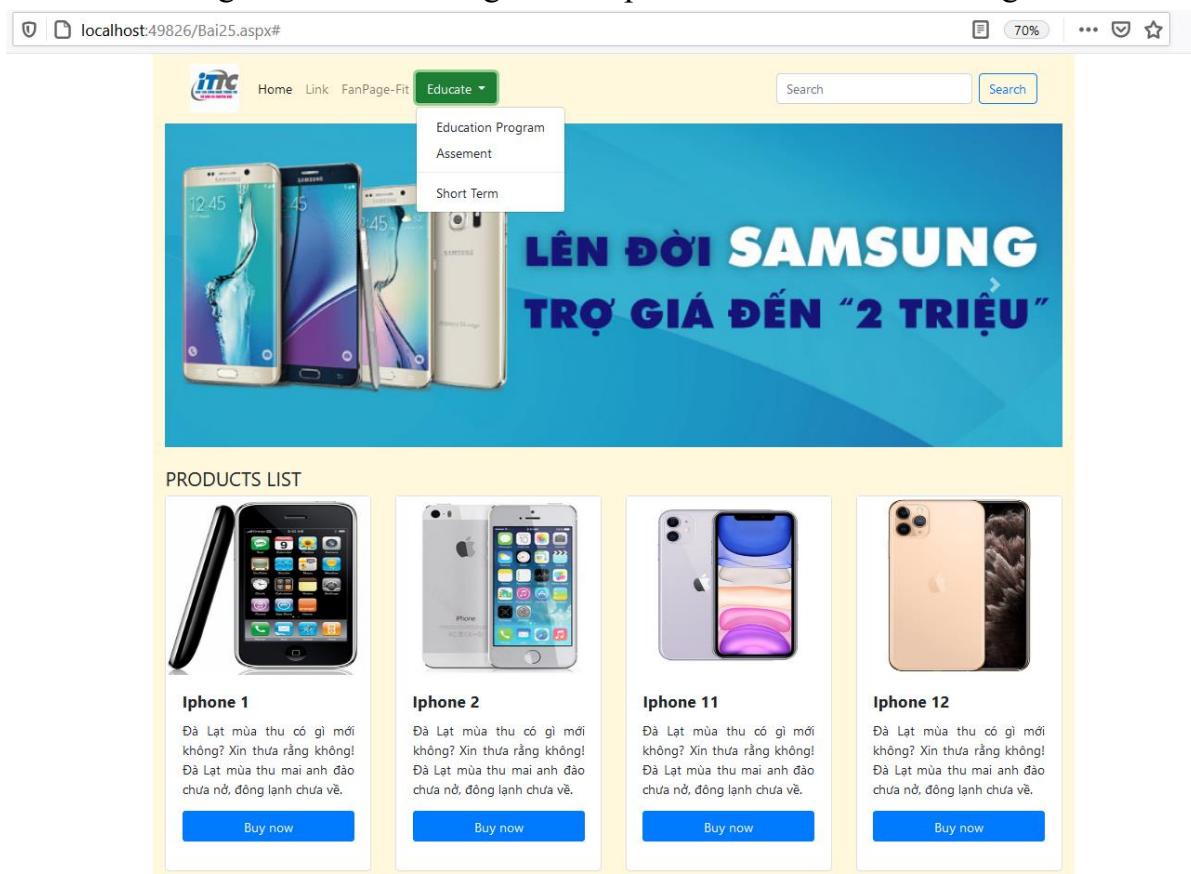
```

```

        <input type="password" name="password" id="password"
class="form-control is-valid" value="Enter your password" />
            <div class="valid-feedback text-muted">Password include
special character!</div>
        </div>
        <div class="form-group">
            <label for="gender">Gender</label>
            <select name="gender" id="gender" class="form-control" >
                <option value="1"> Male</option>
                <option value="0">Female</option>
            </select>
        </div>
        <div class="form-check form-group">
            <input type="checkbox" id="check" class="form-check-input" />
            <label for="check" class="form-check-label">Remember
Password</label>
        </div>
        <div class="form-group">
            <button class="btn btn-primary btn-block"
type="submit">Submit</button>
        </div>
    </div>
</div>
</form>

```

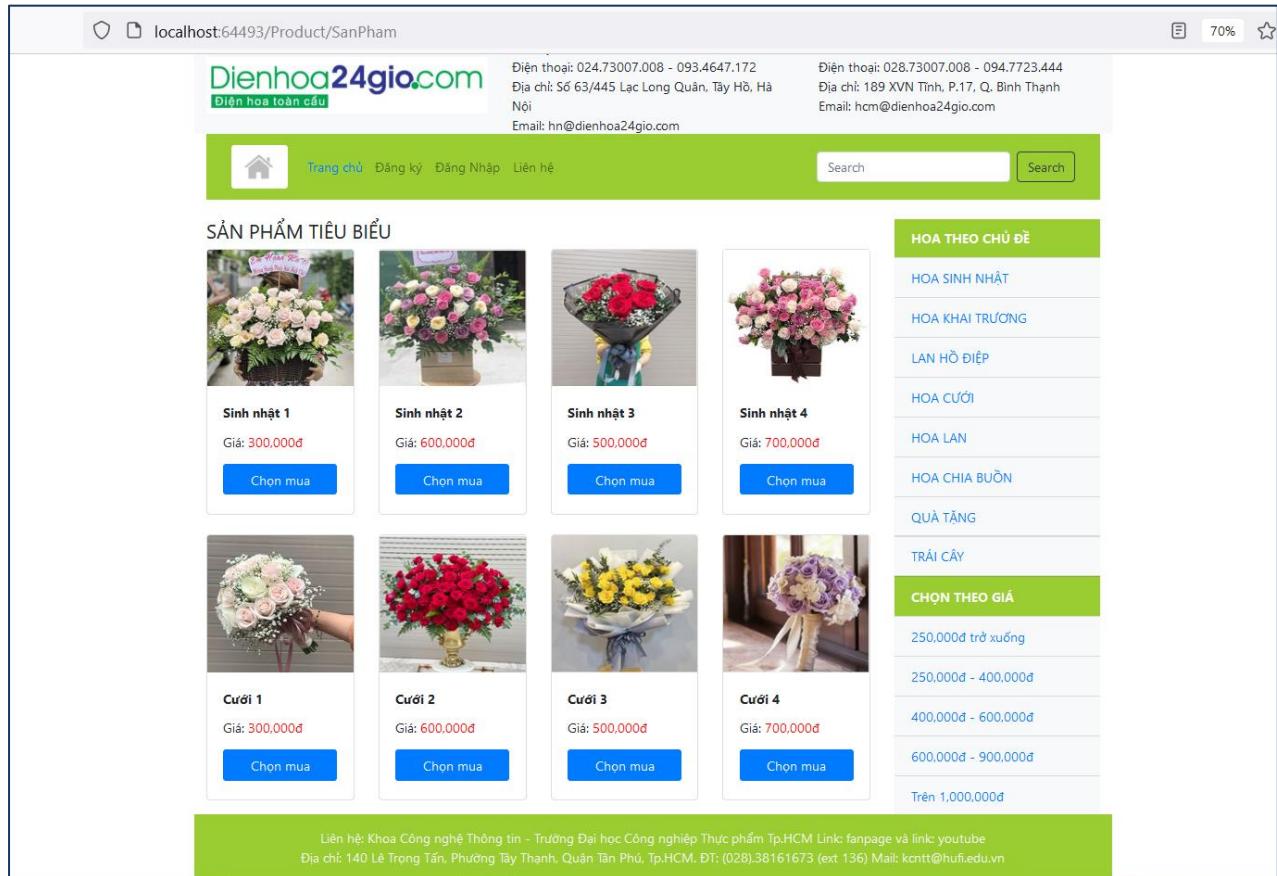
Bài 7: Tạo trang Bai7.html sử dụng các component đã học thiết kế trang như sau:



Yêu cầu:

- Sử dụng Nav-bar, dùng class navbar-brand cho image ittc, dropdown menu cho Education.
- Tạo Carousel Slide show
- Sử dụng GridSystem tạo ProductList

Bài 8: Sử dụng các component đã học tạo trang dienhoa24h.com như sau:



Yêu cầu:

- Sử dụng GridSystem tạo layout trang
- Sử dụng Nav-bar, dùng class navbar-brand.
- Sử dụng GridSystem tạo Sân phẩm tiêu biểu

3. Bài tập về nhà

Bài 9: Tạo trang Bai9.html sử dụng component - Nav pill ngang và đúng như sau:

Nav-pills with contain Horizontal

```
Home
Profile
Messages
Settings
Cillum ad ut irure tempor velit nostrud occaecat ullamco aliqua anim
Lorem sint. Veniam sint duis incididunt do esse magna mollit excepteur
laborum qui. Id id reprehenderit si
excepteur laborum mollit dolore ei
commodo et voluptate minim repr
non laborum enim et illum eu des
occaecat.
```

```
<div class="container">
<div><h4>Nav-pills with contain Vertical</h4>
<div><ul>
<li><a href="#">Home</a></li>
<li><a href="#">Profile</a></li>
<li><a href="#">Messages</a></li>
<li><a href="#">Settings</a></li>
</ul></div>
</div>
```

```
Culpa dolor voluptate do laboris labo
duis pariatur mollit aute magna paria
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veniam. Quis ut consectetur adipisci
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proident Lorem do ea tempora officia dolor. Reprehenderit Lorem aliquip
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```

Nav-pills with contain Horizontal

```
Home
Profile
Messages
Settings
Fugiat id quis dolor culpa eiusmod a
aute qui magna. Ad proident laboris
veniam quis Lorem irure occaecat velit nostrud magna nulla. Velit et
proident Lorem do ea tempora officia dolor. Reprehenderit Lorem aliquip
labore est magna commodo est ea veniam consectetur.
```

```
<div class="container">
<div><h4>Nav-pane</h4>
<div><ul>
<li><a href="#">Home</a></li>
<li><a href="#">Profile</a></li>
<li><a href="#">Messages</a></li>
<li><a href="#">Settings</a></li>
</ul></div>
<div><ul>
<li><div><h4>Tab-pane</h4>
<div>Cillum ad ut irure tempor velit nostrud occaecat ullamco aliqua anim
Lorem sint. Veniam sint duis incididunt do esse magna mollit excepteur
laborum qui. Id id reprehenderit si
excepteur laborum mollit dolore ei
commodo et voluptate minim repr
non laborum enim et illum eu des
occaecat.</div>
</div></li>
<li><div><h4>Tab-pane</h4>
<div>Culpa dolor voluptate do laboris labo
duis pariatur mollit aute magna paria
non ut dolor deserunt commodo et r
veniam. Quis ut consectetur adipisci
elit aliquip labore Lorem enim eu. Ull
id officia mollit qui esse anim eiusmod
tempor incididunt ut labore et dolore m
inimic
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aute qui magna. Ad proident laboris
veniam quis Lorem irure occaecat velit nostrud magna nulla. Velit et
proident Lorem do ea tempora officia dolor. Reprehenderit Lorem aliquip
labore est magna commodo est ea veniam consectetur.</div>
</div></li>
<li><div><h4>Tab-pane</h4>
<div>Fugiat id quis dolor culpa eiusmod a
aute qui magna. Ad proident laboris
veniam quis Lorem irure occaecat velit nostrud magna nulla. Velit et
proident Lorem do ea tempora officia dolor. Reprehenderit Lorem aliquip
labore est magna commodo est ea veniam consectetur.</div>
</div></li>
<li><div><h4>Tab-pane</h4>
<div>Fugiat id quis dolor culpa eiusmod a
aute qui magna. Ad proident laboris
veniam quis Lorem irure occaecat velit nostrud magna nulla. Velit et
proident Lorem do ea tempora officia dolor. Reprehenderit Lorem aliquip
labore est magna commodo est ea veniam consectetur.</div>
</div></li>
</ul></div>
</div>
```

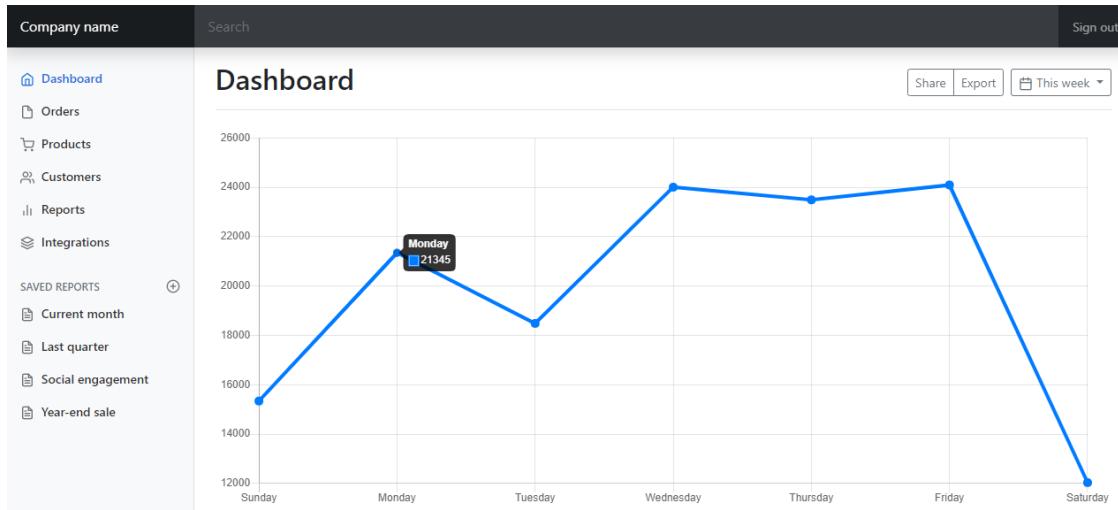
Consequat occaecat ullamco amet non eiusmod nostrud dolore irure incididunt est duis anim sunt officia. Fugiat velit proident aliquip nisi incididunt nostrud exercitation proident est nisi. Irure magna elit commodo anim ex veniam culpa eiusmod id nostrud sit cupidatat in veniam ad. Eiusmod consequat eu adipisci minim anim aliquip cupiditat culpa excepteur quis. Occaecat sit eu exercitation irure Lorem incididunt nostrud.

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Est quis nulla laborum officia ad nisi ex nostrud culpa Lorem excepteur aliquip dolor aliqua irure ex. Nulla ut duis ipsum nisi elit fugiat commodo sunt reprehenderit laborum veniam eu veniam. Eiusmod minim exercitation fugiat irure ex labore incididunt do fugiat commodo aliquip sit id deserunt reprehenderit aliquip nostrud. Amet ex cupiditat excepteur aute veniam incididunt moliti cupiditat esse irure officia elit do ipsum ullamco Lorem. Ullamco autem ad minima do moliti labore ipsum laboris ipsum commodo sunt tempor enim incididunt. Commodo quis sunt dolore aliquip aute tempor irure magna enim minim reprehenderit. Ullamco consectetur culpa veniam sint cillum aliqua incididunt velit ullamco sunt ullamco quis quis commodo volupate. Moliti nulla nostrud adipisci aliquip cupiditat aliqua pariatur moliti volupate volupate consequat non.

42

Bài 10: Tạo trang Bai19.html sử dụng Bootstrap



Phân chart sẽ bổ sung sau chương javascript

Bài 10: Tạo trang Bai10.html sử dụng Bootstrap

Plan	Price	Users Included	Storage	Support
Free	\$0/mo	10 users	2 GB	Email support Help center access
Pro	\$15/mo	20 users	10 GB	Priority email support Help center access
Enterprise	\$29/mo	30 users	15 GB	Phone and email support Help center access

Bài 11: Tạo trang Bai11.html sử dụng Bootstrap

Title of a longer featured blog post

Multiple lines of text that form the lede, informing new readers quickly and efficiently about what's most interesting in this post's contents.

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From the Firehose

Sample blog post

January 1, 2021 by [Mark](#)

This blog post shows a few different types of content that's supported and styled with Bootstrap. Basic typography, lists, tables, images, code, and more are all supported as expected.

This is some additional paragraph placeholder content. It has been written to fill the available space and show how a longer snippet of text affects the surrounding content. We'll repeat it often to keep the demonstration flowing, so be on the lookout for this exact same string of text.

Blockquotes

This is an example blockquote in action:

Quoted text goes here.

This is some additional paragraph placeholder content. It has been written to fill the available space and show how a longer snippet of text affects the surrounding content. We'll repeat it often to keep the demonstration flowing, so be on

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