

Unit 09: Tabs and Pills

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Objectives

After studying this unit, you will be able to:

- Understand web designing
- Design tabs and pills using bootstrap

Introduction

Web design encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; user interface design; authoring, including standardized code and proprietary software; user experience design; and search engine optimization. Tabs act as the highest-order sections or categories; they are purposefully broad so the user can gradually channel into the user interface to access more specific content without having to scan all of the available content a site has to offer at once. There are two distinct types of tabs you can use. Pills are quasi-navigation components which can highly improve website clarity and increase user experience.

9.1 Bootstrap Tabs and Pills

Navigation available in Bootstrap share general markup and styles, from the base .nav class to the active and disabled states. Swap modifier classes to switch between each style.

The base .nav component is built with flexbox and provides a strong foundation for building all types of navigation components. It includes some style overrides (for working with lists), some link padding for larger hit areas, and basic disabled styling.

The base .nav component does not include any .active state. The following examples include the class, mainly to demonstrate that this particular class does not trigger any special styling.

#Code

```

<ul class="nav">
<li class="nav-item">
<a class="nav-link active" 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="#">Disabled</a>
</li>
</ul>

```

Tabs

Takes the basic nav from above and adds the .nav-tabs class to generate a tabbed interface.

#Code

```

<!DOCTYPE html>
<html lang="en">
<head>
<title>Bootstrap Tabs and Pills</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous"
rel="stylesheet"
/>
</head>
<body>
<ul class="nav nav-tabs">
<li class="nav-item">
<a class="nav-link active" href="#">Active</a>
</li>
<li class="nav-item">
<a class="nav-link" href="#">Link</a>
</li>
<li class="nav-item">

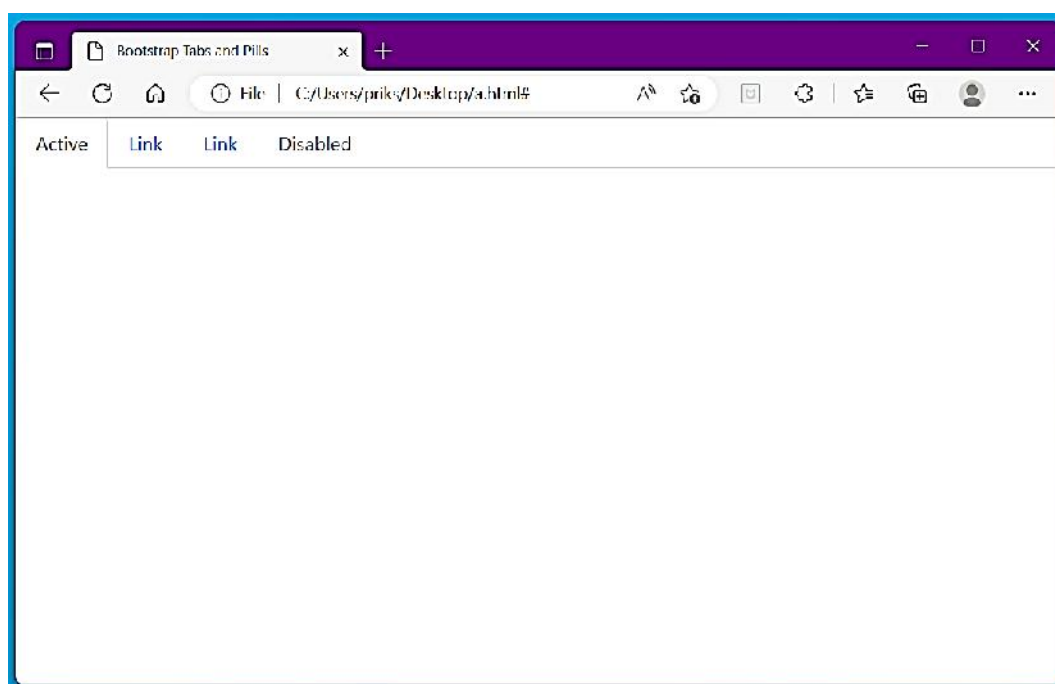
```

```

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

```

Output



Tabs With Dropdown Menu

#Code

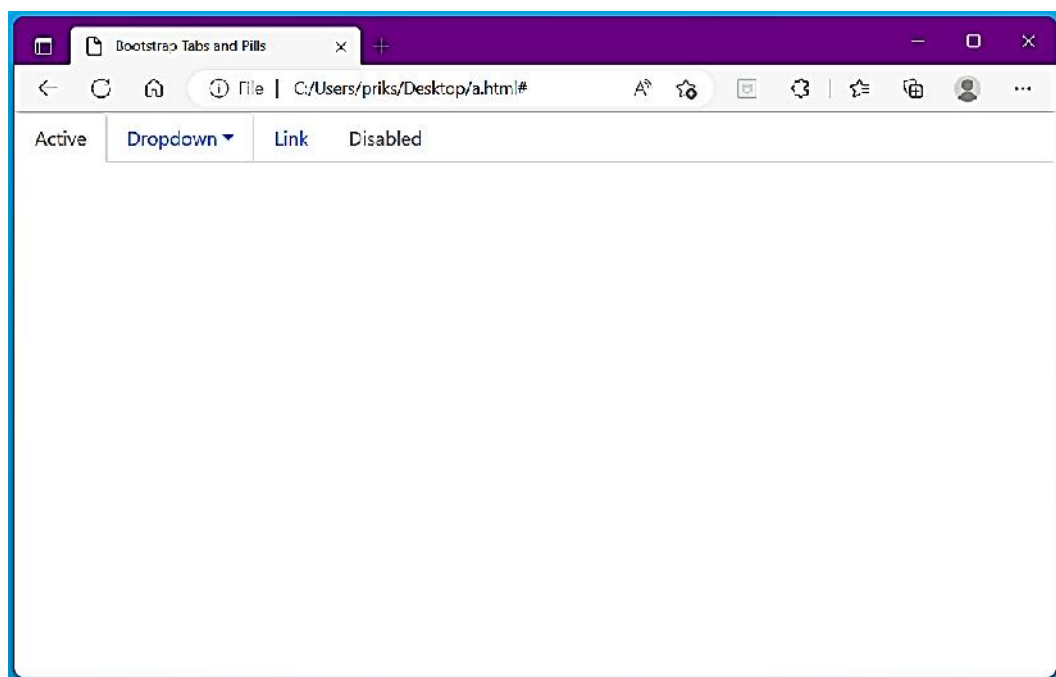
```

<!DOCTYPE html>
<html lang="en">
<head>
<title>Bootstrap Tabs and Pills</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-
rel="stylesheet"

```

```
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
</head>
<body>
<ul class="nav nav-tabs">
<li class="nav-item">
<a class="nav-link active" href="#">Active</a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" data-toggle="dropdown" href="#" role="button" aria-
haspopup="true" aria-expanded="false">Dropdown</a>
<div class="dropdown-menu">
<a class="dropdown-item" href="#">Action</a>
<a class="dropdown-item" href="#">Another action</a>
<a class="dropdown-item" href="#">Something else here</a>
<div class="dropdown-divider"></div>
<a class="dropdown-item" href="#">Separated link</a>
</div>
</li>
<li class="nav-item">
<a class="nav-link" href="#">Link</a>
</li>
<li class="nav-item">
<a class="nav-link disabled" href="#">Disabled</a>
</li>
</ul>
</body>
</html>
```

Output



Pills

Pills are created with `<ul class="nav nav-pills">`. Also mark the current page with `<li class="active">`

Pills with dropdown

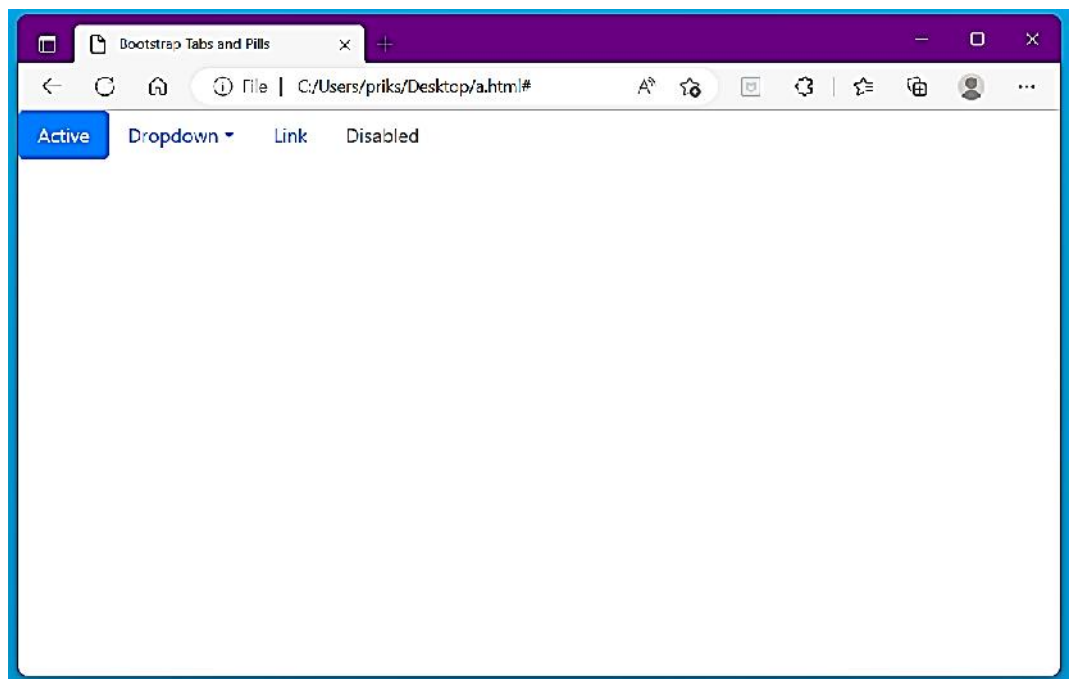
#Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Bootstrap Tabs and Pills</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
rel="stylesheet"
</head>
<body>
<ul class="nav nav-pills">
<li class="nav-item">
<a class="nav-link active" href="#">Active</a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" data-toggle="dropdown" href="#" role="button" aria-
haspopup="true" aria-expanded="false">Dropdown</a>
<div class="dropdown-menu">
<a class="dropdown-item" href="#">Action</a>
```

```

<a class="dropdown-item" href="#">Another action</a>
<a class="dropdown-item" href="#">Something else here</a>
<div class="dropdown-divider"></div>
<a class="dropdown-item" href="#">Separated link</a>
</div>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Link</a>
</li>
<li class="nav-item">
  <a class="nav-link disabled" href="#">Disabled</a>
</li>
</ul>
</body>
</html>

```

Output***Toggleable/Dynamic Tabs***

To make the tabs toggleable, add the `data-toggle="tab"` attribute to each link. Then add a `.tab-pane` class with a unique ID for every tab and wrap them inside a `<div>` element with class `.tab-content`.

If you want the tabs to fade in and out when clicking on them, add the `.fade` class to `.tab-pane`

#Code

```
<ul class="nav nav-tabs">
```

```
<li class="active"><a data-toggle="tab" href="#home">Home</a></li>
<li><a data-toggle="tab" href="#menu1">Menu 1</a></li>
<li><a data-toggle="tab" href="#menu2">Menu 2</a></li>
</ul>
```

```
<div class="tab-content">
<div id="home" class="tab-pane fade in active">
<h3>HOME</h3>
<p>Some content.</p>
</div>
<div id="menu1" class="tab-pane fade">
<h3>Menu 1</h3>
<p>Some content in menu 1.</p>
</div>
<div id="menu2" class="tab-pane fade">
<h3>Menu 2</h3>
<p>Some content in menu 2.</p>
</div>
</div>
```

Toggleable / Dynamic Pills

The same code applies to pills; only change the data-toggle attribute to data-toggle="pill".

#Code

```
<ul class="nav nav-pills">
<li class="active"><a data-toggle="pill" href="#home">Home</a></li>
<li><a data-toggle="pill" href="#menu1">Menu 1</a></li>
<li><a data-toggle="pill" href="#menu2">Menu 2</a></li>
</ul>
```

```
<div class="tab-content">
<div id="home" class="tab-pane fade in active">
<h3>HOME</h3>
<p>Some content.</p>
</div>
<div id="menu1" class="tab-pane fade">
<h3>Menu 1</h3>
<p>Some content in menu 1.</p>
</div>
<div id="menu2" class="tab-pane fade">
<h3>Menu 2</h3>
```

```
<p>Some content in menu 2.</p>  
</div>  
</div>
```

Summary

- The Bootstrap framework is built on Hypertext Markup Language (HTML), cascading style sheets (CSS) and JavaScript. Web developers using Bootstrap can build websites much faster without spending time worrying about basic commands and functions.
- Tabs is a navigation element used in web design that allows users to easily access different areas of a site or different parts of an individual page.
- Pills are static or interactive elements that allow users to input, filter, or label information.
- With Bootstrap, a navigation bar can extend or collapse, depending on the screen size.

Keywords

Navbar:The purpose of a navigation bar is to help your user browse through your website effortlessly.

Tabs:Tabs are a navigation element used in web design that allows users to easily access different areas of a site or different parts of an individual page.

Pills:Pills are quasi-navigation components that can highly improve website clarity and increase user experience.

Web Designing: Web design refers to the design of websites that are displayed on the internet. It usually refers to the user experience aspects of website development rather than software development.

SelfAssessment

1. Which of the following bootstrap style is used to add standard links to .navbar?
 - A. .navbar-link
 - B. .link
 - C. .form-link
 - D. None of the above
2. Which of the following bootstrap style is used to align .nav links, forms, buttons, or text to left or right in a .navbar?
 - A. .navbar-align
 - B. .navbar-left, .navbar-right
 - C. .alignment
 - D. None of the above.
3. Which of the following bootstrap style is to be used if you want the .navbar fixed to the top of the page?
 - A. .navbar-top
 - B. .navbar-fixed
 - C. .navbar-fixed-top

- D. None of the above.
4. Which of the following bootstrap styles are used to create tabbed navigation?
- A - .nav, .nav-tabs
 - B - .nav, .nav-pills
 - C - .nav, .nav-pills, .nav-stacked
 - D - .nav, .nav-tabs, .nav-justified
5. Which of the following bootstrap styles are used to create a pills navigation?
- A - .nav, .nav-tabs
 - B - .nav, .nav-pills
 - C - .nav, .nav-pills, .nav-stacked
 - D - .nav, .nav-tabs, .nav-justified
6. Which of the following bootstrap styles are used to create a vertical pills navigation?
- A - .nav, .nav-tabs
 - B - .nav, .nav-pills
 - C - .nav, .nav-pills, .nav-stacked
 - D - .nav, .nav-tabs, .nav-justified
7. Which of the following bootstrap styles are used to create a justified tabs navigation?
- A - .nav, .nav-tabs
 - B - .nav, .nav-pills
 - C - .nav, .nav-pills, .nav-stacked
 - D - .nav, .nav-tabs, .nav-justified
8. Which of the following bootstrap styles are used to create a disabled tab in tabs navigation?
- A - .nav, .nav-tabs, .disabled
 - B - .nav, .nav-tabs
 - C - .nav, .nav-pills, .nav-disabled
 - D - .nav, .nav-pills
9. Which of the following bootstrap styles are used to add a dropdown to a tab?
- A - .nav, .nav-tabs, .menu
 - B - .nav, .nav-tabs, dropdown-.menu
 - C - .nav, .nav-pills, .dropdown
 - D - .nav, .nav-pills
10. Which of the following bootstrap styles are used to add a dropdown to pills?
- A - .nav, .nav-tab, .menu
 - B - .nav, .nav-pills, .dropdown-.menu
 - C - .nav, .nav-pills, .dropdown

D - .nav, .nav-pills

11. Which of the following bootstrap style is used to add a button to the .navbar?

A - .navbar.btn

B - .btn

C - .form-.btn

D - None of the above.

12. Which of the following bootstrap style is used to add text to the .navbar?

A - .navbar-text

B - .text

C - .form-text

D - None of the above.

13. Bootstrap pills and labels are the same.

True

False

14. Bootstrap does not support tabs.

True

False

15. Which of the following class is used to create a black navigation bar?

A. .navbar-default

B. .navbar-inverse

C. .navbar-black

D. .navbar-dark

Answers for SelfAssessment

- | | | | | |
|-------|-------|-----------|-----------|-------|
| 1. A | 2. B | 3. C | 4. A | 5. B |
| 6. C | 7. D | 8. A | 9. B | 10. B |
| 11. A | 12. A | 13. False | 14. False | 15. B |

Review Questions

- What do you mean by tabs in bootstrap? Explain the working of tabs using the program.
- Why navbar is used? Explain using an example.
- If you want to design an eCommerce website, Explain the followings
 - Where you add tabs.
 - How many menu you need for the website.
- What do you mean by web designing?

5. Why navbar and tabs are useful for a website?



Further Readings

Bootstrap by Example, Silvio Morato Learning Bootstrap 4, Matt Lambert

Bootstrap in 24 Hours, By Sams Jump Start Bootstrap,



Web Links

<https://getbootstrap.com/docs/4.0/components/navs/>

<https://getbootstrap.com/docs/4.0/components/navbar/>