



Build Your IT Skill



ណែនាំស្គាល់ Bootstrap Framework Responsive

រៀបរៀងដោយ: គ្រូរោងចក្របច្ចេកទេស

096 226 8884

097 226 8884

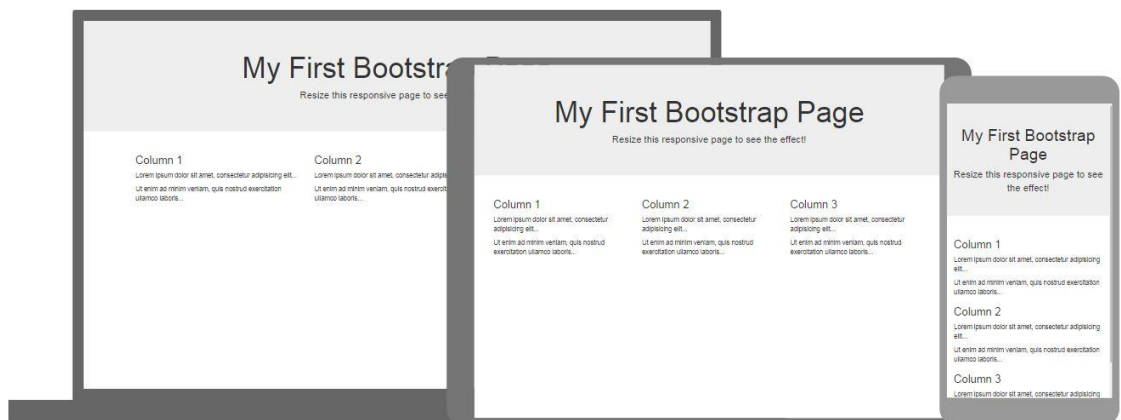
មេរៀនទី ៣

Bootstrap (Web Responsive)

I. ដូចម្តេចទៅដែលហៅថា Bootstrap ?

Bootstrap គឺជាប្រភេទ Framework ដែលមានលទ្ធភាពអាចបង្កើតនូវ Webpage មានលក្ខណៈជា Responsive ពោលគឺ Webpage ដែលពង្រីកឬបង្រួមខ្លួនរបស់វា ទៅតាម Plat form ផ្សេងៗ របស់ Devices ។ លក្ខណៈសំខាន់ដែលអ្នកគួរតែប្រើ ប្រាស់នូវ Bootstrap ដូចជា៖

- ❖ គឺជាប្រភេទ Front end framework មានលក្ខណៈលឿន និង ងាយស្រួលប្រើប្រាស់សំរាប់បង្កើត Website ។
- ❖ Bootstrap រួមមាន HTML និង CSS ផ្ដោតសំខាន់លើការ design templates for forms, buttons, tables, navigation, image - ល-។
- ❖ Bootstrap វាផ្តល់លទ្ធភាពងាយស្រួលក្នុងការបង្កើតគេហទំព័រ។
- ❖ Bootstrap អាចដំណើរលើ Browser ប្រភេទថ្មីជាច្រើនដូចជា៖ (Chrome, Firefox, Internet Explorer, Edge, Safari, និង Opera)
- ❖ គោលបំណងសំខាន់របស់ Bootstrap គឺ Mobile or Smart Phone.





II. វិធីសាស្ត្រប្រើប្រាស់

ដើម្បីអាចប្រើប្រាស់នូវ Bootstrap អ្នកអាចប្រើប្រាស់បានពីរបៀបគឺ៖

១) . ទាញយក Library framework របស់ Bootstrap តាម

URL(<http://getbootstrap.com>) ដាក់ចូលក្នុងកុំព្យូទ័ររបស់អ្នក (ទំរង់នេះជាប្រភេទ offline framework)

២). អាចប្រើប្រាស់តាមទំរង់ CDN ជាលក្ខណៈ Online ពោលគឺមិន ចាំបាច់ទាញយក Bootstrap មកដាក់លើ Computer របស់អ្នកទេ។

ឧទាហរណ៍ ១៖

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</head>
<body>
  <div class="container">
    <h1>ETEC i.T Professional Center with Bootstrap Page</h1>
    <p>This part is inside a .container class.</p>
    <p>The .container class provides a responsive fixed width container.</p>
  </div>
</body>
</html>

```

ETEC i.T Professional Center with Bootstrap Page

This part is inside a .container class.

The .container class provides a responsive fixed width container.

ឧទាហរណ៍ ២៖

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
</head>
<body>
  <div class="container-fluid">
    <h1>ETEC CENTER Bootstrap Page</h1>
    <p>This part is inside a .container-fluid class.</p>
    <p>The .container-fluid class provides a full width container, spanning the entire width of the viewport.</p>
  </div>
</body>
</html>

```

ETEC CENTER Bootstrap Page

This part is inside a .container-fluid class.

The .container-fluid class provides a full width container, spanning the entire width of the viewport.



ការរៀបចំ Layout ក្នុង CSS

span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1
span 4				span 4				span 4			
span 4				span 8							
span 6						span 6					
span 12											

Grid Classes

The Bootstrap grid system has four classes:

- **xs** (for phones - screens less than 768px wide)
- **sm** (for tablets - screens equal to or greater than 768px wide)
- **md** (for small laptops - screens equal to or greater than 992px wide)
- **lg** (for laptops and desktops - screens equal to or greater than 1200px wide)

The classes above can be combined to create more dynamic and flexible layouts.

Basic Structure of a Bootstrap Grid

The following is a basic structure of a Bootstrap grid:

```
<div class="container">
  <div class="row">
    <div class="col-*-*"></div>
    <div class="col-*-*"></div>
  </div>
  <div class="row">
    <div class="col-*-*"></div>
    <div class="col-*-*"></div>
    <div class="col-*-*"></div>
  </div>
  <div class="row">
    ...
  </div>
</div>
```

ឧទាហរណ៍ ១ Full screen width

```
<div class="container-fluid">
  <h1>Hello World!</h1>
  <div class="row">
    <div class="col-sm-6" style="background-color:yellow;">
      <p>Lorem ipsum...</p>
    </div>
    <div class="col-sm-6" style="background-color:pink;">
      <p>Sed ut perspiciatis...</p>
    </div>
  </div>
</div>
```

ឧទាហរណ៍ ២ fixed-width screen width

```
<div class="container">
  <h1>Hello World!</h1>
  <div class="row">
    <div class="col-sm-6" style="background-color:yellow;">
      <p>Lorem ipsum...</p>
    </div>
    <div class="col-sm-6" style="background-color:pink;">
      <p>Sed ut perspiciatis...</p>
    </div>
  </div>
</div>
```

ឧទាហរណ៍ ៣

```
<div class="container-fluid">
  <h1>Hello World!</h1>
  <p>Resize the browser window to see the effect.</p>
  <p>The columns will automatically stack on top of each other when the screen is
  <div class="row">
    <div class="col-sm-4" style="background-color:lavender;">.col-sm-4</div>
    <div class="col-sm-4" style="background-color:lavenderblush;">.col-sm-4</div>
    <div class="col-sm-4" style="background-color:lavender;">.col-sm-4</div>
  </div>
</div>
```

លទ្ធផលទទួលបាន

Three Equal Columns

.col-sm-4	.col-sm-4	.col-sm-4
-----------	-----------	-----------

ឧទាហរណ៍ ៤

```
<div class="container-fluid">
  <h1>Hello World!</h1>
  <p>Resize the browser window to see the effect.</p>
  <p>The columns will automatically stack on top of each other when the screen is
  wide.</p>
  <div class="row">
    <div class="col-sm-4" style="background-color:lavender;">.col-sm-4</div>
    <div class="col-sm-8" style="background-color:lavenderblush;">.col-sm-8</div>
  </div>
</div>
```

លទ្ធផលទទួលបាន

Two Unequal Columns

.col-sm-4	.col-sm-8
-----------	-----------

ឧទាហរណ៍ ៥

```
<!-- Setting two column widths -->
<div class="row">
  <div class="col-4">1 of 4</div>
  <div class="col-6">2 of 4</div>
  <div class="col">3 of 4</div>
  <div class="col">4 of 4</div>
</div>
```

លទ្ធផលទទួលបាន

1 of 4	2 of 4	3 of 4	4 of 4
--------	--------	--------	--------

ឧទាហរណ៍ ព្រះ ការបង្កើត Table Responsive

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <div class="container">
14   <h2>Hover Rows</h2>
15   <p>The .table-hover class enables a hover state on table rows:</p>
16   <table class="table table-hover">
17     <thead>
18       <tr>
19         <th>Firstname</th>
20         <th>Lastname</th>
21         <th>Email</th>
22       </tr>
23     </thead>
24     <tbody>
25       <tr>
26         <td>John</td>
27         <td>Doe</td>
28         <td>john@example.com</td>
29       </tr>
30       <tr>
31         <td>Mary</td>
32         <td>Moe</td>
33         <td>mary@example.com</td>
34       </tr>
35       <tr>
36         <td>July</td>
37         <td>Dooley</td>
38         <td>july@example.com</td>
39       </tr>
40     </tbody>
41   </table>
42 </div>
43
44 </body>
45 </html>
46

```

លទ្ធផលទទួលបាន៖

Hover Rows		
The .table-hover class enables a hover state on table rows:		
Firstname	Lastname	Email
John	Doe	john@example.com
Mary	Moe	mary@example.com
July	Dooley	july@example.com

ឧទាហរណ៍ ៤៖ របៀបធ្វើ Image Gallery ជាលក្ខណៈ Responsive

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <div class="container">
14   <h2>Circle</h2>
15   <p>The .img-circle class shapes the image to a circle (not available in IE8):</p>
16   
17 </div>
18
19 </body>
20 </html>
21 |

```

Circle

The .img-circle class shapes the image to a circle (not available in IE8):



លទ្ធផលទទួលបាន៖

ឧទាហរណ៍ ៥៖ របៀបធ្វើ Image Gallery ជាលក្ខណៈ Responsive

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <div class="container">
14   <h2>Thumbnail</h2>
15   <p>The .img-thumbnail class creates a thumbnail of the image:</p>
16   
17 </div>
18
19 </body>
20 </html>
21

```

Thumbnail

The .img-thumbnail class creates a thumbnail of the image:



លទ្ធផលទទួលបាន៖

ឧទាហរណ៍ ៦៖ របៀបធ្វើ Image Gallery ជាលក្ខណៈ Responsive

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <div class="container">
14   <h2>Image Gallery</h2>
15   <p>The .thumbnail class can be used to display an image gallery.</p>
16   <p>The .caption class adds proper padding and a dark grey color to text inside thumbnails.</p>
17   <p>Click on the images to enlarge them.</p>
18   <div class="row">
19     <div class="col-md-4">
20       <div class="thumbnail">
21         <a href="/w3images/lights.jpg" target="_blank">
22           
23           <div class="caption">
24             <p>Lorem ipsum donec id elit non mi porta gravida at eget metus.</p>
25           </div>
26         </a>
27       </div>
28     </div>
29     <div class="col-md-4">
30       <div class="thumbnail">
31         <a href="/w3images/nature.jpg" target="_blank">
32           
33           <div class="caption">
34             <p>Lorem ipsum donec id elit non mi porta gravida at eget metus.</p>
35           </div>
36         </a>
37       </div>
38     </div>
39     <div class="col-md-4">
40       <div class="thumbnail">
41         <a href="/w3images/fjords.jpg" target="_blank">
42           
43           <div class="caption">
44             <p>Lorem ipsum donec id elit non mi porta gravida at eget metus.</p>
45           </div>
46         </a>
47       </div>
48     </div>
49   </div>
50 </div>
51
52 </body>
53 </html>

```

លទ្ធផលទទួលបាន៖

Image Gallery

The .thumbnail class can be used to display an image gallery.

The .caption class adds proper padding and a dark grey color to text inside thumbnails.

Click on the images to enlarge them.







លំហាត់អនុវត្តទី ១

OUR TEAM


Meet the team - our office rats:




Johnny Walker
Web Designer



Rebecca Flex
Support




Jan Ringo
Boss man




Kai Ringo
Fixer

Our Work


Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



Customer 1
Trade
Etiam nulla
Etiam nulla



Customer 2
Trade
Etiam nulla
Etiam nulla



Customer 3
Trade
Etiam nulla
Etiam nulla

លំហាត់អនុវត្តទី ២

Get the latest deals and more. [Sign Up](#)

[Best Buy app](#)
Learn more >

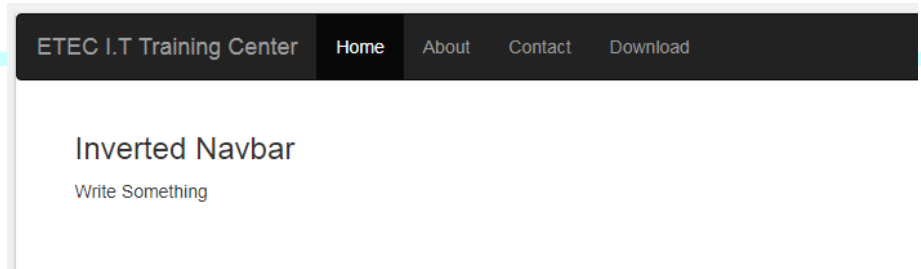
<p>My Best Buy ></p> <p>View Points & Certificates</p> <p>Member Offers</p> <p>Sign in or Create Account</p> <p>Credit Cards ></p> <p>Make Payment/Check Balance</p> <p>Credit Card Offers</p> <p>Apply Now</p>	<p>Orders & Returns ></p> <p>Order Status</p> <p>Shipping, Delivery & Store Pickup</p> <p>Return & Exchange Promise</p> <p>Price Match Guarantee</p> <p>Pay with Points</p>	<p>Support & Services ></p> <p>Customer Service</p> <p>Protection Plans</p> <p>Schedule a Service</p> <p>Trade-In Program</p> <p>Product Recalls</p>	<p>Partnerships ></p> <p>Affiliate Program</p> <p>Developers</p> <p>Best Buy Education</p> <p>Best Buy for Business</p> <p>Advertise with Us</p> <p>International Sites ></p> <p>Best Buy Mexico</p> <p>Best Buy Canada</p>
---	---	--	---

ឧទាហរណ៍ ៧៖ របៀបបង្កើតនូវ Menu Responsive

✓ Navigation Menu

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <nav class="navbar navbar-inverse">
14   <div class="container-fluid">
15     <div class="navbar-header">
16       <a class="navbar-brand" href="#">ETEC I.T Training Center</a>
17     </div>
18     <ul class="nav navbar-nav">
19       <li class="active"><a href="#">Home</a></li>
20       <li><a href="#">About</a></li>
21       <li><a href="#">Contact</a></li>
22       <li><a href="#">Download</a></li>
23     </ul>
24   </div>
25 </nav>
26
27 <div class="container">
28   <h3>Inverted Navbar</h3>
29   <p>Write Something</p>
30 </div>
31
32 </body>
33 </html>
```

លទ្ធផលទទួលបាន៖





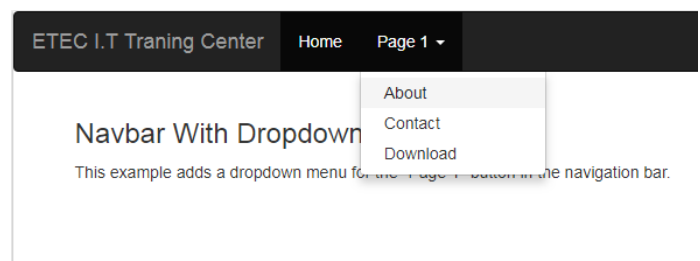
Navigation Bar With Dropdown

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <title>Bootstrap Example</title>
5    <meta charset="utf-8">
6    <meta name="viewport" content="width=device-width, initial-scale=1">
7    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <nav class="navbar navbar-inverse">
14   <div class="container-fluid">
15     <div class="navbar-header">
16       <a class="navbar-brand" href="#">ETEC I.T Traning Center</a>
17     </div>
18     <ul class="nav navbar-nav">
19       <li class="active"><a href="#">Home</a></li>
20       <li class="dropdown">
21         <a class="dropdown-toggle" data-toggle="dropdown"
22           href="#">Page 1 <span class="caret"></span></a>
23         <ul class="dropdown-menu">
24           <li><a href="#">About</a></li>
25           <li><a href="#">Contact</a></li>
26           <li><a href="#">Download</a></li>
27         </ul>
28       </li>
29     </ul>
30   </div>
31 </nav>
32
33 <div class="container">
34   <h3>Navbar With Dropdown</h3>
35   <p>This example adds a dropdown menu for the "Page 1" button in the navigation bar.</p>
36 </div>
37
38 </body>
39 </html>
40

```

លទ្ធផលទទួលបាន៖





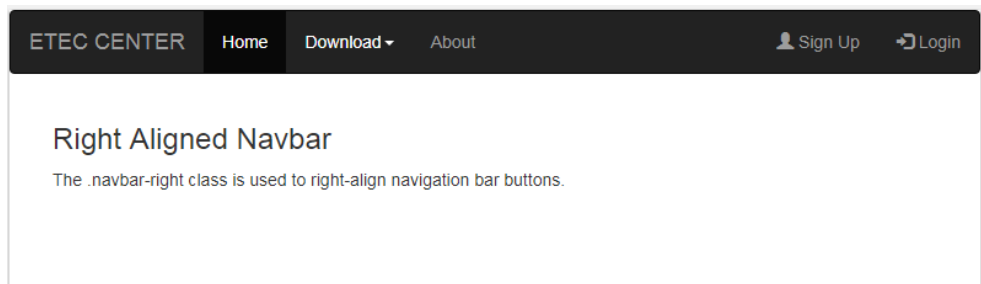
Right-Aligned Navigation Bar

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <title>Bootstrap Example</title>
5    <meta charset="utf-8">
6    <meta name="viewport" content="width=device-width, initial-scale=1">
7    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12 <nav class="navbar navbar-inverse">
13   <div class="container-fluid">
14     <div class="navbar-header">
15       <a class="navbar-brand" href="#">ETEC CENTER</a>
16     </div>
17     <ul class="nav navbar-nav">
18       <li class="active"><a href="#">Home</a></li>
19       <li class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" |
20         href="#">Download<span class="caret"></span></a>
21       <ul class="dropdown-menu">
22         <li><a href="#"></a></li>
23         <li><a href="#"></a></li>
24         <li><a href="#">Contact</a></li>
25       </ul>
26     </li>
27     <li><a href="#">About</a></li>
28   </ul>
29   <ul class="nav navbar-nav navbar-right">
30     <li><a href="#"><span class="glyphicon glyphicon-user"></span> Sign Up</a></li>
31     <li><a href="#"><span class="glyphicon glyphicon-log-in"></span> Login</a></li>
32   </ul>
33 </div>
34 </nav>
35
36 <div class="container">
37   <h3>Right Aligned Navbar</h3>
38   <p>The .navbar-right class is used to right-align navigation bar buttons.</p>
39 </div>
40
41 </body>
42 </html>
43

```

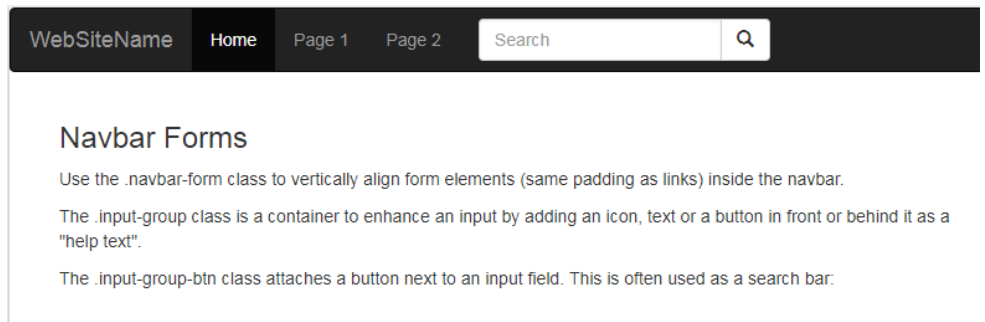
លទ្ធផលទទួលបាន៖



Navigationbar Forms

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <nav class="navbar navbar-inverse">
14   <div class="container-fluid">
15     <div class="navbar-header">
16       <a class="navbar-brand" href="#">WebSiteName</a>
17     </div>
18     <ul class="nav navbar-nav">
19       <li class="active"><a href="#">Home</a></li>
20       <li><a href="#">Page 1</a></li>
21       <li><a href="#">Page 2</a></li>
22     </ul>
23     <form class="navbar-form navbar-left" action="/action_page.php">
24       <div class="input-group">
25         <input type="text" class="form-control" placeholder="Search" name="search">
26         <div class="input-group-btn">
27           <button class="btn btn-default" type="submit">
28             <i class="glyphicon glyphicon-search"></i>
29           </button>
30         </div>
31       </div>
32     </form>
33   </div>
34 </nav>
35
36 <div class="container">
37   <h3>Navbar Forms</h3>
38   <p>Use the .navbar-form class to vertically align form elements (same padding as links)
39   <p>The .input-group class is a container to enhance an input by adding an icon, text or
40   <p>The .input-group-btn class attaches a button next to an input field. This is often us
41 </div>
42
43 </body>
44 </html>
```

លទ្ធផលទទួលបាន៖



WebSiteName Home Page 1 Page 2 Search

Navbar Forms

Use the .navbar-form class to vertically align form elements (same padding as links) inside the navbar.

The .input-group class is a container to enhance an input by adding an icon, text or a button in front or behind it as a "help text".

The .input-group-btn class attaches a button next to an input field. This is often used as a search bar:



លំហាត់អនុវត្តទី ១



ABC

Compare List 0



Home Products Services About Us Contact Us

Search



Telephone System
PABX Panasonic:

KX-TES824SN/BX
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KX-NS300BX
KX-TDA600BX
KX-TDE100SN
KX-TDE600BX



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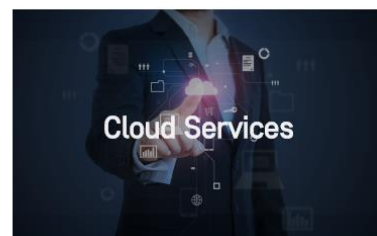
លំហាត់អនុវត្តទី ២

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EZECOM offers you the best available packages to fulfill your needs, from specially designed packages for your business or home to international level, dedicated connections for global enterprises! Discover below the full range of our services.



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ឧទាហរណ៍ ៨៖ របៀបបង្កើតនូវ Form លក្ខណៈជា Responsive

```

2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <div class="container">
14   <h3>User Login </h3>
15
16   <form>
17     <div class="input-group">
18       <span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>
19       <input id="email" type="text" class="form-control" name="email" placeholder="Email">
20     </div>
21     <div class="input-group">
22       <span class="input-group-addon"><i class="glyphicon glyphicon-lock"></i></span>
23       <input id="password" type="password" class="form-control" name="password" placeholder="Password">
24     </div>
25     <div class="input-group">
26       <span class="input-group-addon"><i class="glyphicon glyphicon-lock"></i></span>
27       <input id="password" type="password" class="form-control" name="password" placeholder="Password">
28     </div>
29   </form>
30   <br/>
31   <button type="submit" class="btn btn-default">Submit</button>
32   <button type="reset" class="btn btn-default">Reset</button>
33 </div>
34
35 </body>
36 </html>

```

លទ្ធផលទទួលបាន៖

ឧទាហរណ៍ ៩៖ រៀបចំបង្កើតទម្រង់ Form លក្ខណៈជា Responsive

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12 <div class="container">
13   <h2>Horizontal form</h2>
14   <form class="form-horizontal" action="/action_page.php">
15     <div class="form-group">
16       <label class="control-label col-sm-2" for="email">Email:</label>
17       <div class="col-sm-10">
18         <input type="email" class="form-control" id="email" placeholder="Enter email" name="email">
19       </div>
20     </div>
21     <div class="form-group">
22       <label class="control-label col-sm-2" for="pwd">Password:</label>
23       <div class="col-sm-10">
24         <input type="password" class="form-control" id="pwd" placeholder="Enter password" name="pwd">
25       </div>
26     </div>
27     <div class="form-group">
28       <div class="col-sm-offset-2 col-sm-10">
29         <div class="checkbox">
30           <label><input type="checkbox" name="remember"> Remember me</label>
31         </div>
32       </div>
33     </div>
34     <div class="form-group">
35       <div class="col-sm-offset-2 col-sm-10">
36         <button type="submit" class="btn btn-default">Submit</button>
37         <button type="reset" class="btn btn-default">Reset</button>
38       </div>
39     </div>
40   </form>
41 </div>
42
43 </body>
44 </html>

```

លទ្ធផលទទួលបាន៖

Horizontal form

Email:

Password:

☐ Remember me

ឧទាហរណ៍ ១០៖ របៀបបង្កើតនូវ Form លក្ខណៈជា Responsive

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <div class="container">
14   <h3>Employee Information</h3>
15   <form>
16     <div class="form-group">
17       <label for="usr">Input Code:</label>
18       <input type="text" class="form-control" id="id">
19     </div>
20     <div class="form-group">
21       <label for="usr">Input Name:</label>
22       <input type="text" class="form-control" id="name">
23     </div>
24     <div class="form-group">
25       <label for="sel1">Select list (select one):</label>
26       <select class="form-control" id="sel1">
27         <option>Male</option>
28         <option>Female</option>
29         <option>Other</option>
30       </select>
31     </div>
32     <div class="form-group">
33       <label for="sel1">Address:</label> <br/>
34       <label class="radio-inline">
35         <input type="radio" name="optradio" checked>Phnom Penh
36       </label>
37       <label class="radio-inline">
38         <input type="radio" name="optradio">Kanda
39       </label>
40       <label class="radio-inline">
41         <input type="radio" name="optradio">Siem Reap
42       </label>
43     </div>
44     <br/>
45     <div class="form-group">
46       <label for="comment">Comment:</label>
47       <textarea class="form-control" rows="5" id="comment"></textarea>
48     </div>
49     <button type="submit" class="btn btn-default">Submit</button>
50     <button type="reset" class="btn btn-default">Reset</button>
51   </div>
52 </body>
53 </html>
```



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Employee Information

Input Code:

Input Name:

Select list (select one):

Address:

☒ Phnom Penh ☐ Kanda ☐ Siem Reap

Comment:

Submit

Reset

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១)

Student Data

Name

Please enter your first and last name. (required)

Password

Password must be five or more characters. (required)

Hobbies

☐ Surfing ☐ Running ☐ Biking ☐ Paddling

Check zero or more hobbies. (optional)

Level

☐ Freshman ☐ Sophomore ☐ Junior ☐ Senior ☐ Other

Select your grade level. (required)

GPA

Select your GPA. (required)

Majors

Select zero or more majors. (optional)

Submit

Cancel



២)

REGISTRATION

First Name

Last Name

Email*

Password*

Confirm Password*

Date of Birth*

Phone number

Your phone number won't be disclosed anywhere

Height*

Weight*

Gender ☐ Female ☐ Male

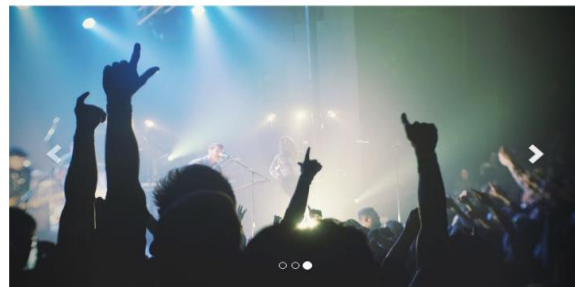
*Required fields

ឧទាហរណ៍ ១១៖ របៀបបង្កើតនូវ Carousel/ Gallery Slide Animation លក្ខណៈជា

Responsive

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10 </head>
11 <body>
12
13 <div class="container">
14   <h2>Carousel Example</h2>
15   <div id="myCarousel" class="carousel slide" data-ride="carousel">
16     <!-- Indicators -->
17     <ol class="carousel-indicators">
18       <li data-target="#myCarousel" data-slide-to="0" class="active"></li>
19       <li data-target="#myCarousel" data-slide-to="1"></li>
20       <li data-target="#myCarousel" data-slide-to="2"></li>
21     </ol>
22
23     <!-- Wrapper for slides -->
24     <div class="carousel-inner">
25       <div class="item active">
26         
27       </div>
28
29       <div class="item">
30         
31       </div>
32
33       <div class="item">
34         
35       </div>
36     </div>
37
38     <!-- Left and right controls -->
39     <a class="left carousel-control" href="#myCarousel" data-slide="prev">
40       <span class="glyphicon glyphicon-chevron-left"></span>
41       <span class="sr-only">Previous</span>
42     </a>
43     <a class="right carousel-control" href="#myCarousel" data-slide="next">
44       <span class="glyphicon glyphicon-chevron-right"></span>
45       <span class="sr-only">Next</span>
46     </a>
47   </div>
48 </div>
49
50 </body>
51 </html>
```

Carousel Example



លទ្ធផលទទួលបាន

ឧទាហរណ៍ ១១៖ របៀបបង្កើតនូវ Carousel/ Gallery Slide Animation លក្ខណៈជា

Responsive

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Bootstrap Example</title>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
8   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
9   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
10  <style>
11    .carousel-inner > .item > img,
12    .carousel-inner > .item > a > img {
13      width: 70%;
14      margin: auto;
15    }
16  </style>
17 </head>
18 <body>
19
20 <div class="container">
21   <br>
22   <div id="myCarousel" class="carousel slide" data-ride="carousel">
23     <!-- Indicators -->
24     <ol class="carousel-indicators">
25       <li data-target="#myCarousel" data-slide-to="0" class="active"></li>
26       <li data-target="#myCarousel" data-slide-to="1"></li>
27
28     </ol>
29
30     <!-- Wrapper for slides -->
31     <div class="carousel-inner" role="listbox">
32
33       <div class="item active">
34         
35         <div class="carousel-caption">
36           <h3>Chania</h3>
37           <p>The atmosphere in Chania has a touch of Florence and Venice.</p>
38         </div>
39       </div>
40
41       <div class="item">
42         
43         <div class="carousel-caption">
44           <h3>Chania</h3>
45           <p>The atmosphere in Chania has a touch of Florence and Venice.</p>
46         </div>
47       </div>
48     </div>
49
50     <!-- Left and right controls -->
51     <a class="left carousel-control" href="#myCarousel" role="button" data-slide="prev">
52       <span class="glyphicon glyphicon-chevron-left" aria-hidden="true"></span>
53       <span class="sr-only">Previous</span>
54     </a>
55     <a class="right carousel-control" href="#myCarousel" role="button" data-slide="next">
56       <span class="glyphicon glyphicon-chevron-right" aria-hidden="true"></span>
57       <span class="sr-only">Next</span>
58     </a>
59   </div>
60 </div>
61
62 </body>
63 </html>
```

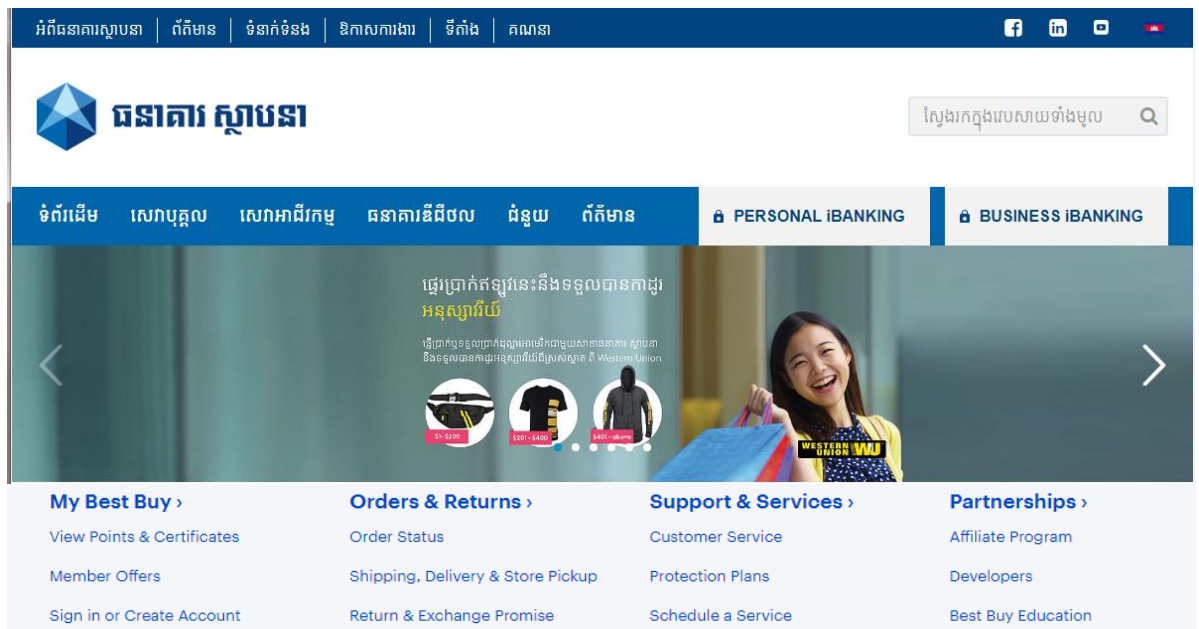
លទ្ធផលទទួលបាន៖



Ref: https://www.w3schools.com/bootstrap/bootstrap_ref_js_carousel.asp

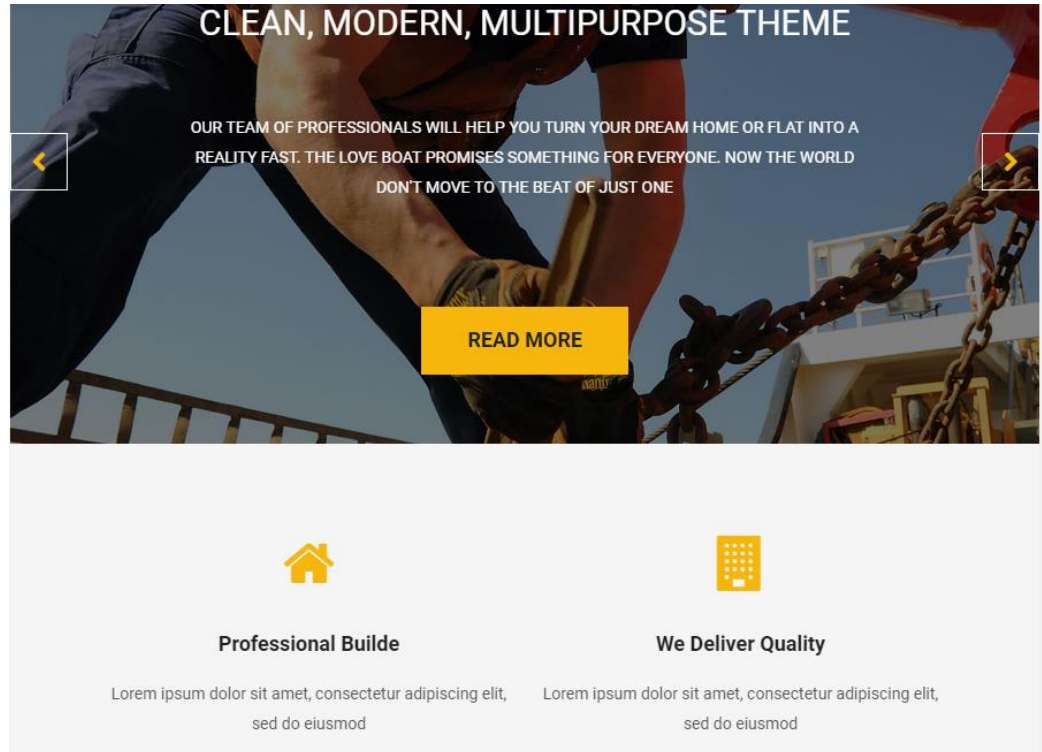
លំហាត់អនុវត្ត

១).





២)



៣)

