

# SunilOS



## Bootstrap



### Bootstrap 3

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[www.sunilos.com](http://www.sunilos.com)

[www.raystec.com](http://www.raystec.com)



# Bootstrap?

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- ☐ It is a front-end Framework
- ☐ It is a CSS, HTML, JS framework to develop responsive websites.
- ☐ It is free to download and use.
- ☐ It is compatible for all modern browser.
- ☐ It includes HTML and CSS based design templates for creating common user interface components like forms, buttons, navigations, dropdowns, alerts, modals, tabs, tooltips, and so on.



# How to get Bootstrap

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- ❑ Two ways to get bootstrap
- ❑ Download Bootstrap from [getbootstrap.com](https://getbootstrap.com)
- ❑ Include Bootstrap from a CDN(Content Delivery Network)
  - `<!-- Latest compiled and minified CSS -->`  
`<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">`
  
  - `<!-- jQuery library -->`  
`<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>`
  
  - `<!-- Latest compiled JavaScript -->`  
`<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>`

# First Page in Bootstrap

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- ❑ Create a simple Html page with `<!DOCTYPE html>` tag.
- ❑ Bootstrap 3 is mobile first so we have to add `<meta>` tag inside the `<head>` tag to see the effects of zooming and proper rendering.
  - `<meta name="viewport" content="width=device-width, initial-scale=1">`
- ❑ Bootstrap also requires a containing element to wrap site contents.
  - The `.container` class provides a responsive **fixed width container**
  - The `.container-fluid` class provides a **full width container**, spanning the entire width of the viewport

# First Page with fixed/full width container in Bootstrap

```
<!DOCTYPE html>
<html lang='en'>
<head>
  <title>First 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/3.4.1/css/bootstrap.min.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script
>
</head>
<body>
<div class="container">
<!-- <div class="container-fluid"> -->
  <h1>My First Bootstrap Page</h1>
  <p>Rays Technology</p>
</div>
</body>
</html>
```

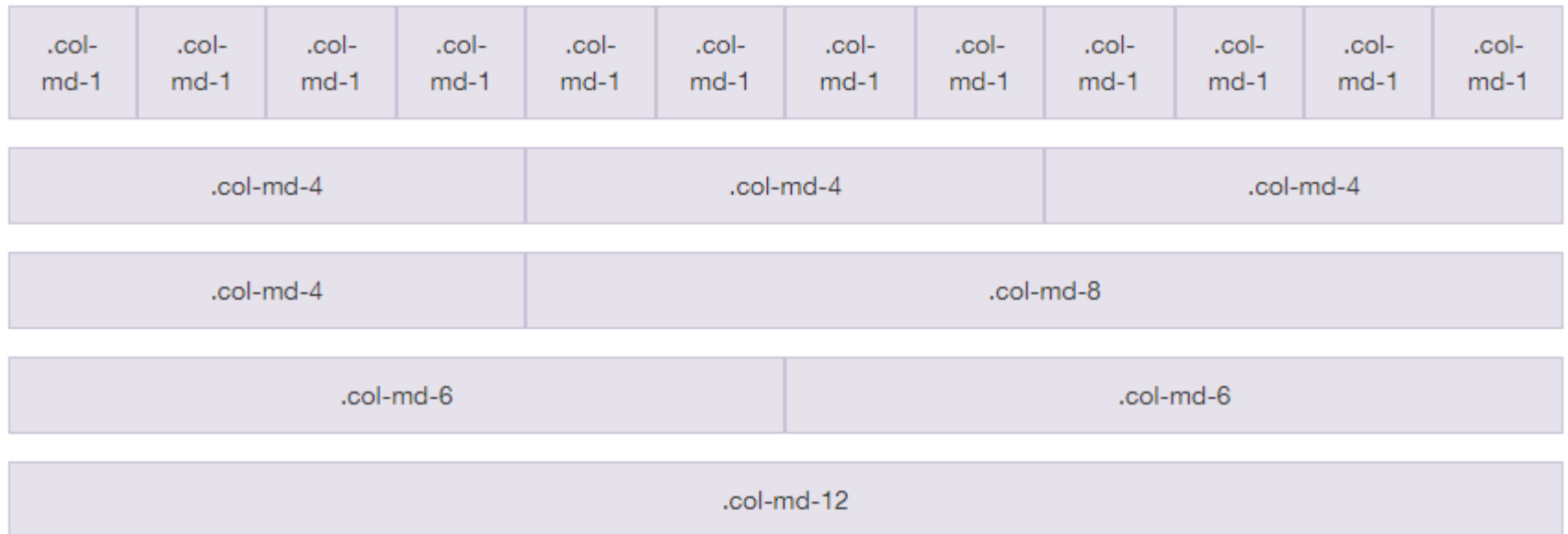
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## My First Bootstrap Page

Rays Technology

# Bootstrap Grid System

- ❑ Bootstrap allow 12 columns across the page.
- ❑ We can also group the columns to make wider columns.
- ❑ Columns are responsive. It will rearrange according to window size.



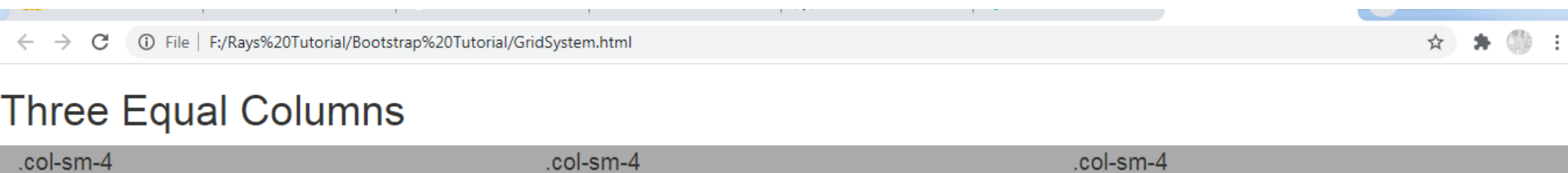
# Grid Classes

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- ❑ 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
- ❑ We can combine above classes to make flexible layouts

# Three Equal Columns

```
☐ <body>
☐ <div class="container-fluid">
☐ <div class="row">
☐     <h1>Three Equal Columns</h1>
☐     <div class="col-sm-4">.col-sm-4</div>
☐     <div class="col-sm-4">.col-sm-4</div>
☐     <div class="col-sm-4">.col-sm-4</div>
☐ </div>
☐ </div>
```





# Two unequal columns

```
❏ <div class="row">  
    <div class="col-sm-4">.col-sm-4</div>  
    <div class="col-sm-8">.col-sm-8</div>  
</div>
```

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☆ ⚙️ Paused ⋮

## Two Unequal Columns

.col-sm-4

.col-sm-8

# Bootstrap Auto-layout Columns

- ❑ we can also create *equal width columns* for all devices (xs, small, medium, large, and xl) through simply using the class .col, without specifying any column number.
- ❑ `<div class="container">`
- ❑ `<!--Row with two equal columns-->`
- ❑ `<div class="row">`
- ❑ `<div class="col">Column one</div>`
- ❑ `<div class="col">Column two</div>`
- ❑ `</div>`
- ❑ `<!--Row with three equal columns-->`
- ❑ `<div class="row">`
- ❑ `<div class="col">Column one</div>`
- ❑ `<div class="col">Column two</div>`
- ❑ `<div class="col">Column three</div>`
- ❑ `</div>`

# Bootstrap Text

---

- ❑ Bootstrap global font size for `<body>` and `<p>` tag is 14 px.
- ❑ For heading tag
  - h1 Bootstrap heading (36px)
  - h2 Bootstrap heading (30px)
  - h3 Bootstrap heading (24px)
  - h4 Bootstrap heading (18px)
  - h5 Bootstrap heading (14px)
  - h6 Bootstrap heading (12px)

# Text Formatting

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- ❑ `<p><b>This is bold text</b></p>`
- ❑ `<p><code>This is computer code</code></p>`
- ❑ `<p><em>This is emphasized text</em></p>`
- ❑ `<p><i>This is italic text</i></p>`
- ❑ `<p><mark>This is highlighted text</mark></p>`
- ❑ `<p><small>This is small text</small></p>`
- ❑ `<p><strong>This is strongly emphasized text</strong></p>`
- ❑ `<p>This is <sub>subscript</sub> and <sup>superscript</sup></p>`
- ❑ `<p><ins>This text is inserted to the document</ins></p>`
- ❑ `<p><del>This text is deleted from the document</del></p>`

# Working with headings

---

- ❑ `<div class="container">`
- ❑ `<h1>Heading with faded text`  
`<small>Faded secondary`  
`Text</small></h1>`
- ❑ `<h1>Heading 1</h1>`
- ❑ `<h2>Heading 2</h2>`
- ❑ `<h3>Heading 3</h3>`
- ❑ `<h4>Heading 4</h4>`
- ❑ `<h5>Heading 5</h5>`
- ❑ `<h6>Heading 6</h6>`

# Working with Paragraphs

---

- ❑ By default font size for the `<body>` and `<p>` tag is 16px;
- ❑ We can stand out a paragraph by adding a `.lead` class.
- ❑ `<div class="container">`
- ❑ `<p class="lead">This is how a paragraph can lead in bootstrap</p>`
- ❑ `<p>This is a paragraph</p>`
- ❑ `</div>`

# Text Coloring

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- ❑ `<p class="text-primary">Primary: Please read the instructions carefully before proceeding.</p>`
- ❑ `<p class="text-secondary">Secondary: This is featured has been removed from the latest version.</p>`
- ❑ `<p class="text-success">Success: Your message has been sent successfully.</p>`
- ❑ `<p class="text-info">Info: You must agree with the terms and conditions to complete the sign up process.</p>`
- ❑ `<p class="text-warning">Warning: There was a problem with your network connection.</p>`
- ❑ `<p class="text-danger">Danger: An error has been occurred while submitting your data.</p>`
- ❑ `<p class="text-muted">Muted: This paragraph of text is grayed out.</p>`

# Text Coloring (cont.)

---

Primary: Please read the instructions carefully before proceeding.

Secondary: This is featured has been removed from the latest version.

Success: Your message has been sent successfully.

Info: You must agree with the terms and conditions to complete the sign up process.

Warning: There was a problem with your network connection.

Danger: An error has been occurred while submitting your data.

Muted: This paragraph of text is grayed out.



# Contextual colors and Backgrounds

- ❑ `<h2>Contextual Backgrounds</h2>`
- ❑ `<p>Use the contextual background classes to provide "meaning through colors":</p>`
- ❑ `<p class="bg-primary">This text is important.</p>`
- ❑ `<p class="bg-success">This text indicates success.</p>`
- ❑ `<p class="bg-info">This text represents some information.</p>`
- ❑ `<p class="bg-warning">This text represents a warning.</p>`
- ❑ `<p class="bg-danger">This text represents danger.</p>`

## Contextual Backgrounds

Use the contextual background classes to provide "meaning through colors":

This text is important.

This text indicates success.

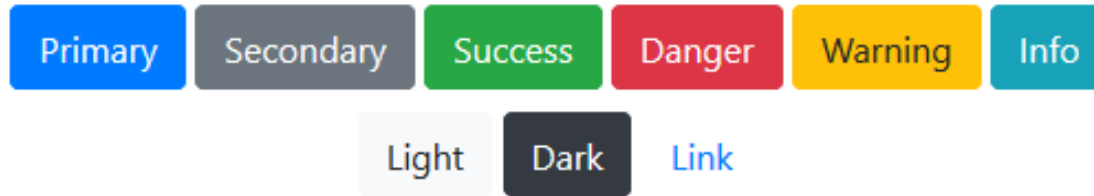
This text represents some information.

This text represents a warning.

This text represents danger.

# Bootstrap Buttons

- ❑ Bootstrap provides different style of buttons



- ❑ We have to use following classes to achieve above style
- ❑ .btn
- ❑ .btn-default
- ❑ .btn-primary
- ❑ .btn-success
- ❑ .btn-info
- ❑ .btn-warning
- ❑ .btn-danger
- ❑ .btn-link

# Bootstrap Buttons (cont).

- ❑ `<button type="button" class="btn">Basic</button>`
- ❑ `<button type="button" class="btn btn-default">Default</button>`
- ❑ `<button type="button" class="btn btn-primary">Primary</button>`
- ❑ `<button type="button" class="btn btn-success">Success</button>`
- ❑ `<button type="button" class="btn btn-info">Info</button>`
- ❑ `<button type="button" class="btn btn-warning">Warning</button>`
- ❑ `<button type="button" class="btn btn-danger">Danger</button>`
- ❑ `<button type="button" class="btn btn-link">Link</button>`

# Button sizes

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- ❑ Bootstrap provides four button sizes:
- ❑ The classes that define the different sizes are:
- ❑ `.btn-lg`
- ❑ `.btn-sm`
- ❑ `.btn-xs`
- ❑ `<button type="button" class="btn btn-primary btn-lg">Large</button>`
- ❑ `<button type="button" class="btn btn-primary">Normal</button>`
- ❑ `<button type="button" class="btn btn-primary btn-sm">Small</button>`
- ❑ `<button type="button" class="btn btn-primary btn-xs">XSmall</button>`

# Active/Disabled Buttons

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- ❑ The class `.active` makes a button appear pressed, and the class `.disabled` makes a button unclickable
- ❑ `<button type="button" class="btn btn-primary active">Active Primary</button>`
- ❑ `<button type="button" class="btn btn-primary disabled">Disabled Primary</button>`

# Bootstrap Jumbotron

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- ❑ Jumbotron is a grey rectangular box with round corners.
- ❑ It is used to pay attention with large text on page.

## Bootstrap Jumbotron

This is Bootstrap jumbotron Example

This is outside jumbotron

# Bootstrap Jumbotron (cont.)

---

```
❑ <div class="container">
❑   <div class="jumbotron">
❑     <h1>Bootstrap Jumbotron</h1>
❑     This is Bootstrap jumbotron Example
❑   </div>
❑   <p>This is outside jumbotron</p>
❑ </div>
```



# Bootstrap Page Header

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- ❑ A page header is like a section divider.
- ❑ The `.page-header` class adds a horizontal line under the heading and also adds extra space around the element.

## Example Page Header

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- ❑ `<div class="page-header">`
- ❑ `<h1>Example Page Header</h1>`
- ❑ `</div>`

# Bootstrap Pagination

---

- ❑ It is used to divide the multiple pages of website.
- ❑ To create a basic pagination, add the .pagination class to an <ul> element
- ❑ 

```
<ul class="pagination">  
  <li><a href="#">1</a></li>  
  <li><a href="#">2</a></li>  
  <li><a href="#">3</a></li>  
  <li><a href="#">4</a></li>  
  <li><a href="#">5</a></li>  
</ul>
```

# Basic Pagination in Bootstrap

```
<ul class="pagination">  
  <li><a href="#">Home</a></li>  
  <li><a href="#">Contact</a></li>  
  <li><a href="#">AboutUs</a></li>  
  <li><a href="#">Service</a></li>  
  <li><a href="#">Product</a></li>  
  <li><a href="#">Career</a></li>  
</ul>
```



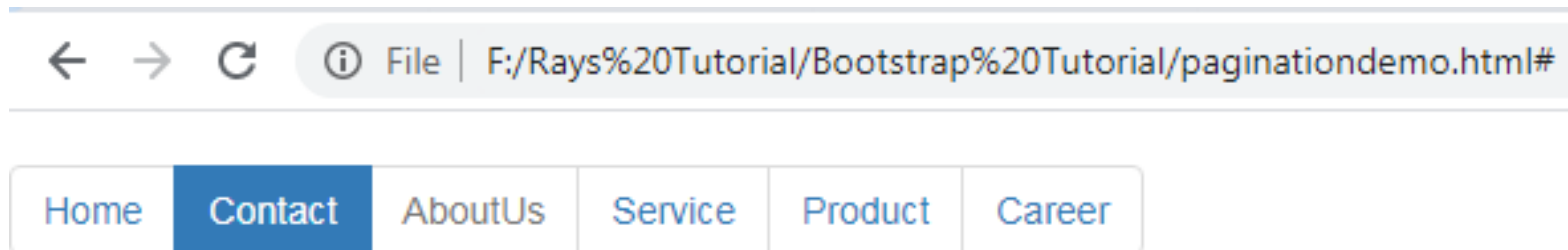
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[Home](#)[Contact](#)[AboutUs](#)[Service](#)[Product](#)[Career](#)

# Active and disable pages

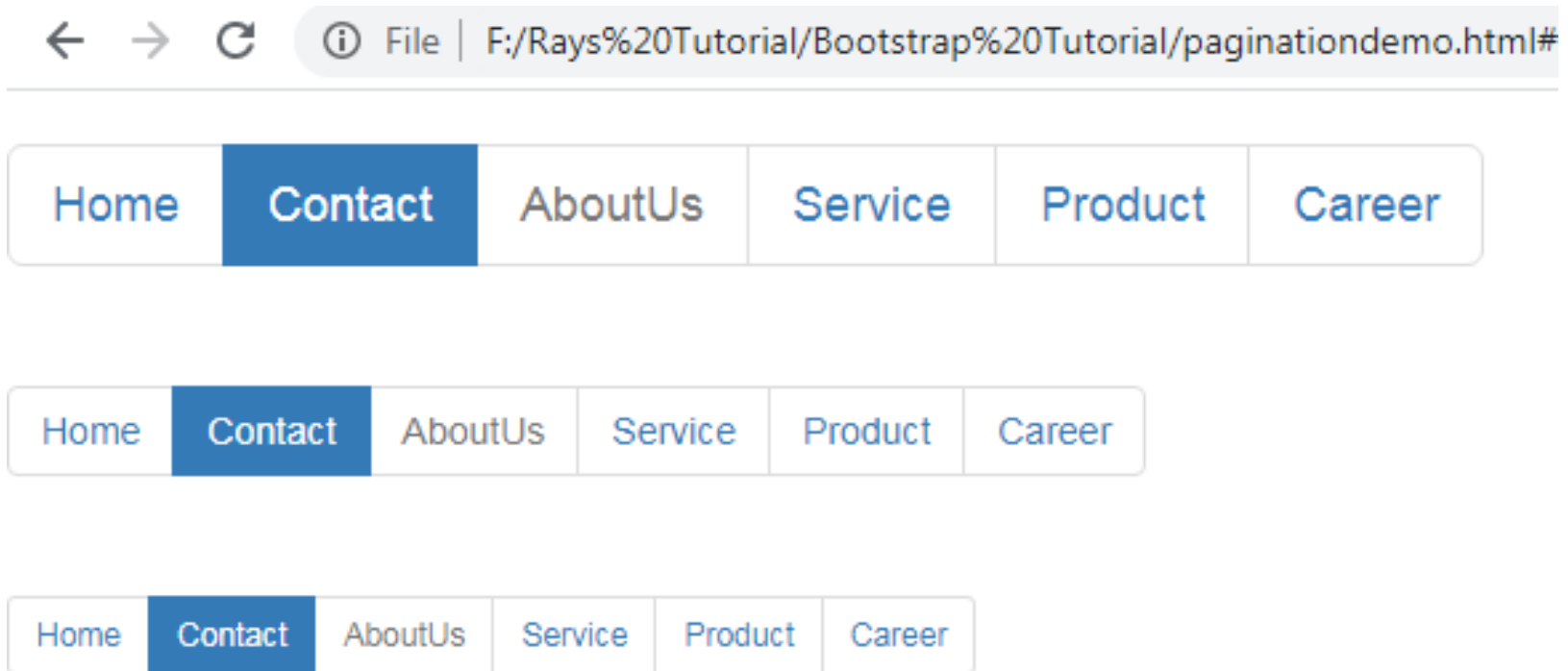
- ❑ Add class .disabled if a link is not available or not clicked for some reason.
- ❑ A disabled link cannot be clicked
- ❑ The active state shows what is the current page
- ❑ Add class .active to let the user know which page he/she is using.

- `<ul class="pagination">`
- `<li><a href="#">Home</a></li>`
- `<li class="active"><a href="#">Contact</a></li>`
- `<li class="disabled"><a href="#">AboutUs</a></li>`
- `<li><a href="#">Service</a></li>`
- `<li><a href="#">Product</a></li>`
- `<li><a href="#">Career</a></li>`
- `</ul>`



# Pagination sizes

- ❑ We can resize the pagination blocks to a larger size or a smaller size using `pagination-lg`, `pagination-md` and `pagination-sm` class



# Bootstrap alerts

- ❑ Bootstrap provides an easy way to create predefined alert messages:
- ❑ Alerts are created with the `.alert` class, followed by one of the four contextual classes `.alert-success`, `.alert-info`, `.alert-warning` or `.alert-danger`:



# Bootstrap alerts (cont.)

- ❑ `<div class="alert alert-success">`  
    `<strong>Success!</strong>` Indicates a successful or positive action.  
`</div>`
  
- `<div class="alert alert-info">`  
    `<strong>Info!</strong>` Indicates a neutral informative change or action.  
`</div>`
  
- `<div class="alert alert-warning">`  
    `<strong>Warning!</strong>` Indicates a warning that might need attention.  
`</div>`
  
- `<div class="alert alert-danger">`  
    `<strong>Danger!</strong>` Indicates a dangerous or potentially negative action.  
`</div>`

# Animated alerts

```
<div class="container">
  <h2>Animated Alerts</h2>
  <p>The .fade and .in classes adds a fading effect when closing the alert message.</p>
  <div class="alert alert-success alert-dismissible fade in">
    <a href="#" class="close" data-dismiss="alert" aria-label="close">&times;</a>
    <strong>Success!</strong> This alert box could indicate a successful or positive
    action.
  </div>
  <div class="alert alert-info alert-dismissible fade in">
    <a href="#" class="close" data-dismiss="alert" aria-label="close">&times;</a>
    <strong>Info!</strong> This alert box could indicate a neutral informative change
    or action.
  </div>
  <div class="alert alert-warning alert-dismissible fade in">
    <a href="#" class="close" data-dismiss="alert" aria-label="close">&times;</a>
    <strong>Warning!</strong> This alert box could indicate a warning that might need
    attention.
  </div>
  <div class="alert alert-danger alert-dismissible fade in">
    <a href="#" class="close" data-dismiss="alert" aria-label="close">&times;</a>
    <strong>Danger!</strong> This alert box could indicate a dangerous or potentially
    negative action.
  </div>
</div>
```



# Bootstrap Progress bar

- ❑ progress bar can be used to show a user progress on some process.
- ❑ We can use different style of progress bar in bootstrap.



# Basic Progress bar

- ❑ `<h2>Basic Progress Bar</h2>`
- ❑ `<div class="progress">`
- ❑ `<div class="progress-bar" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100" style="width:50%">`
- ❑ `</div>`
- ❑ `</div>`

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## Basic Progress Bar



# Colored/striped/active Progress Bars

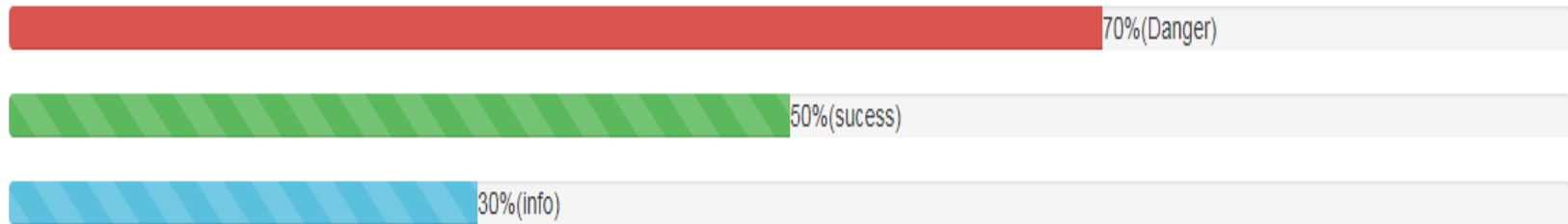
```
<div class="container">
  <h2>Different Progress Bar</h2>
  <div class="progress ">70%(Danger)
    <div class="progress-bar progress-bar-danger" aria-valuenow="70"
      aria-valuemin="0" aria-valuemax="100" style="width:70%">
    </div>
  </div>
  <div class="progress ">50%(sucess)
    <div class="progress-bar progress-bar-success progress-bar-
      striped" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100"
      style="width:50%">
    </div>
  </div>
  <div class="progress ">30%(info)
    <div class="progress-bar progress-bar-info progress-bar-striped
      active" aria-valuenow="30" aria-valuemin="0" aria-valuemax="100"
      style="width:30%">
    </div>
  </div>
</div>
```

# Colored/striped/active Progress Bars

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## Different Progress Bar



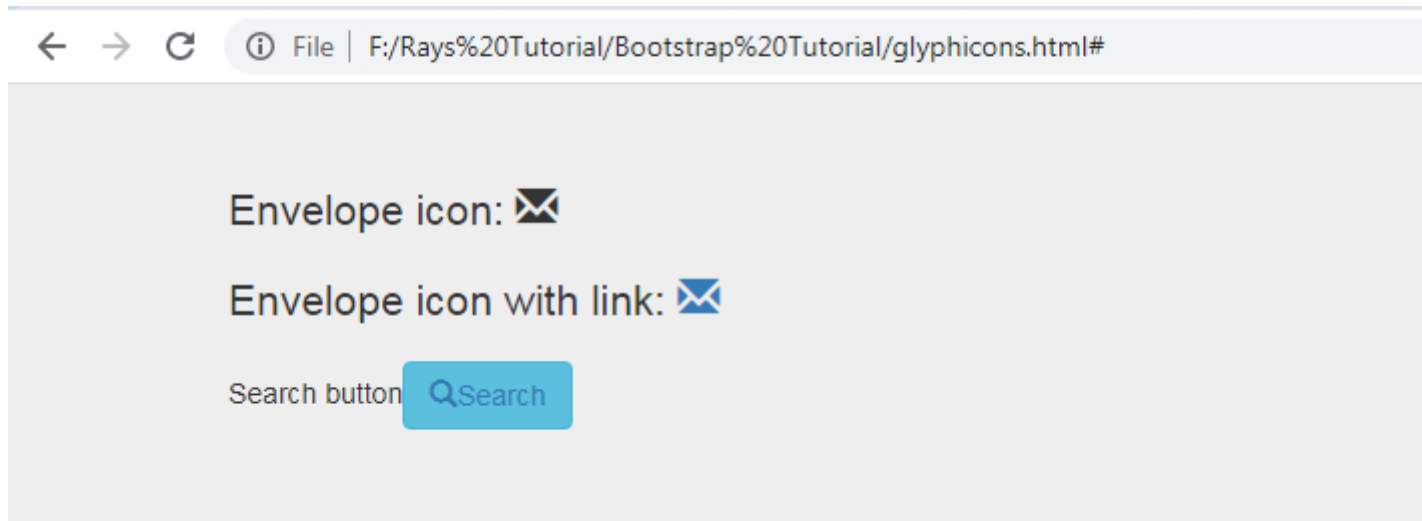
# Bootstrap Glyphicons

- ❑ Glyphicons are icons. Which is used on text, buttons, links etc.
- ❑ Bootstrap provides 260 glyphs from the Glyphicons Halflings set.
- ❑ A glyphicon is inserted with the following syntax:
  - `<span class="glyphicon glyphicon-name"></span>`

						
glyphicon-glass	glyphicon-music	glyphicon-search	glyphicon-envelope	glyphicon-heart	glyphicon-star	glyphicon-star-empty
						
glyphicon-th-list	glyphicon-ok	glyphicon-remove	glyphicon-zoom-in	glyphicon-zoom-out	glyphicon-off	glyphicon-signal
						
glyphicon-time	glyphicon-road	glyphicon-download-alt	glyphicon-download	glyphicon-upload	glyphicon-inbox	glyphicon-play-circle

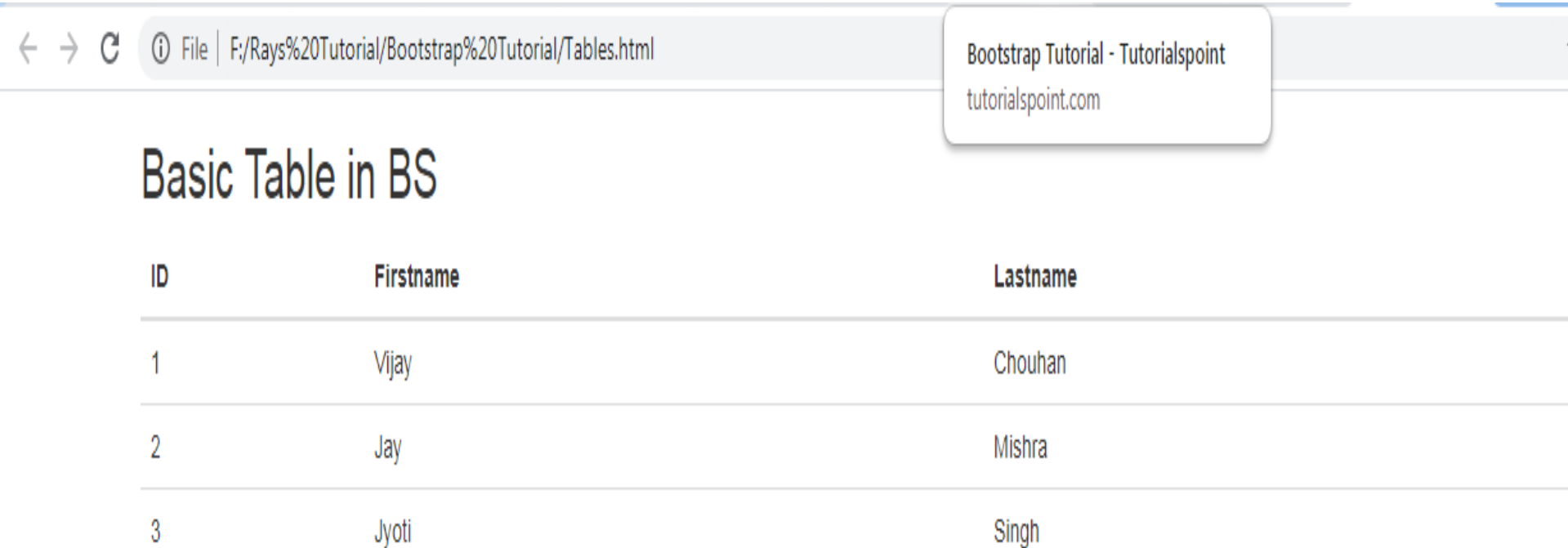
# Some glyphsicons example

- ❑ `<p>Envelope icon: <span class="glyphicon glyphicon-envelope"></span></p>`
- ❑ `<p>Envelope icon with link: <a href="#"><span class="glyphicon glyphicon-envelope"></span></a></p>`
- ❑ `Search button<button class="btn btn-info"><a href="#" style="text-decoration: none;"><span class="glyphicon glyphicon-search"></span>Search</a></button>`



# Bootstrap tables

- ❑ A basic Bootstrap table has a light padding and only horizontal dividers.
- ❑ The `.table` class adds basic styling to a table:



Basic Table in BS

ID	Firstname	Lastname
1	Vijay	Chouhan
2	Jay	Mishra
3	Jyoti	Singh

# Basic Table Example

```
<div class="container">
  <h2>Basic Table in BS</h2>
  <table class="table">
    <thead>
      <tr>
        <th>ID</th>
        <th>Firstname</th>
        <th>Lastname</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>1</td>
        <td>Vijay</td>
        <td>Chouhan</td>
      </tr>
      <tr>
        <td>2</td>
        <td>Jay</td>
        <td>Mishra</td>
      </tr>
    </tbody>
  </table>
</div>
```



# Striped Rows/Bordered Table/Hover Rows

---

## ❑ Striped Rows

- ❑ The .table-striped class adds zebra-stripes to a table.

- `<table class="table table-striped">`

## ❑ Bordered Table

- ❑ The .table-bordered class is used to add border on all sides of the table.

- `<table class="table table-bordered">`

## ❑ Hover Rows

- ❑ The .table-hover class is used to get hover effects(Grey Color) on rows.

- `<table class="table table-hover">`

# Bootstrap Images

- ❑ Bootstrap Image Shapes.
  - Rounded Corners.
  - Circle
  - Thumbnail



# Bootstrap Images

- ❑ `<div class="container">`
- ❑ `<h1>Rounded Corner Images</h1>`
- ❑ ``
- ❑ `<h1>Circle Images</h1>`
- ❑ ``
- ❑ `<h1>Thumbnail Images</h1>`
- ❑ ``
- ❑ `</div>`

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## Rounded Corner Images



## Circle Images



## Thumbnail Images



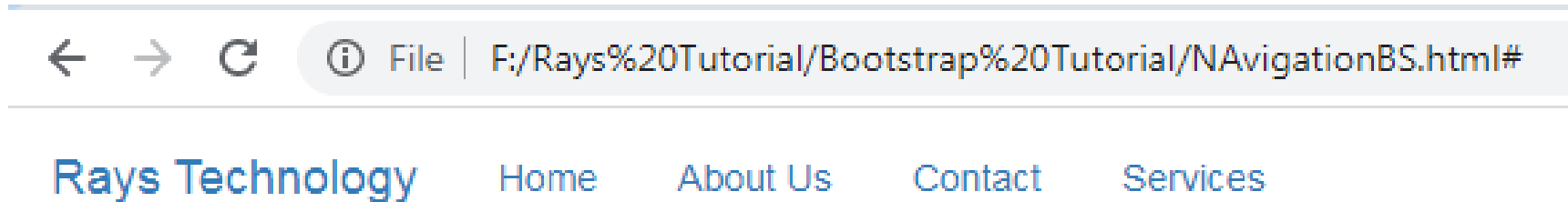
# Bootstrap Dropdowns

- ❑ Basic Dropdown in Bootstrap
- ❑ A dropdown menu is a toggleable menu.
- ❑ It is used to select 1 item from predefined list.

- `<div class="dropdown">`
- `<button class="btn btn-info dropdown-toggle" data-`  
`toggle="dropdown">Dropdown Example`
- `<span class="caret"></span></button>`
- `<ul class="dropdown-menu">`
- `<li ><a href="#">HTML</a></li>`
- `<li ><a href="#">CSS</a></li>`
- `<li class="divider"></li>`
- `<li><a href="#">Bootstrap</a></li>`
- `</ul>`
- `</div>`

# Bootstrap Navigation Bar

- ❑ A navigation bar is a navigation header that is placed at the top of the page
- ❑ A default navigation bar is created with
  - `<nav class="navbar navbar-default">.`



# Default Navigation Bar

```
☐ <nav class="navbar navbar-default">  
☐   <div class="container-fluid">  
☐     <div class="navbar-header">  
☐       <a class="navbar-brand" href="#">Rays  
Technology</a>  
☐     </div>  
☐     <ul class="nav navbar-nav">  
☐       <li class="active"><a href="#">Home</a></li>  
☐       <li><a href="#">About Us</a></li>  
☐       <li><a href="#">Contact</a></li>  
☐       <li><a href="#">Services</a></li>  
☐     </ul>  
☐   </div>  
☐ </nav>
```

# Inverted Navigation bar with dropdowns

```

<nav class="navbar navbar-inverse">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="#">Rays Technology</a>
    </div>
    <ul class="nav navbar-nav">
      <li class="active"><a href="#">Home</a></li>
      <li><a href="#">About Us</a></li>
      <li><a href="#">Contact</a></li>
      <li class="dropdown">
        <a class="dropdown-toggle" data-toggle="dropdown" href="#">Services
        <span class="caret"></span></a>
        <ul class="dropdown-menu">
          <li><a href="#">Service 1</a></li>
          <li><a href="#">Service 1</a></li>
          <li><a href="#">Service 1</a></li>
        </ul>
      </li>
    </ul>
  </div>
</nav>

```

16/02/2021

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Rays Technology

Home

About Us

Contact

Services ▾

Service 1

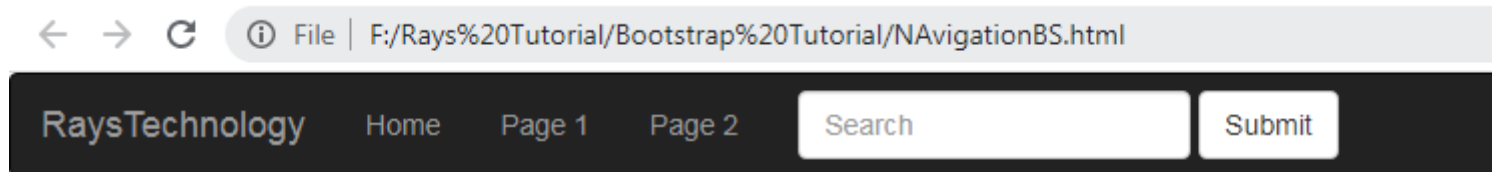
Service 1

Service 1

# Navbar forms

- ❑ To add form elements inside the navbar, add the `.navbar-form` class to a form element and add an input(s).

```
<nav class="navbar navbar-inverse">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="#">RaysTechnology</a>
    </div>
    <ul class="nav navbar-nav">
      <li class="active"><a href="#">Home</a></li>
      <li><a href="#">Page 1</a></li>
      <li><a href="#">Page 2</a></li>
    </ul>
    <form class="navbar-form navbar-left" action="/action_page.php">
      <div class="form-group">
        <input type="text" class="form-control" placeholder="Search">
      </div>
      <button type="submit" class="btn btn-default">Submit</button>
    </form>
  </div>
</nav>
```





# Right-Aligned Navigation Bar

```
<nav class="navbar navbar-inverse">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="#">Rays Technology</a>
    </div>
    <ul class="nav navbar-nav">
      <li><a href="#">Home</a></li>
      <li><a href="#">Page 1</a></li>
      <li><a href="#">Page 2</a></li>
    </ul>
    <ul class="nav navbar-nav navbar-right">
      <li><a href="#"><span class="glyphicon glyphicon-user"></span> Sign
Up</a></li>
      <li><a href="#"><span class="glyphicon glyphicon-log-in"></span>
Login</a></li>
    </ul>
  </div>
</nav>
```

← → ↻ File | F:/Rays%20Tutorial/Bootstrap%20Tutorial/NAvigationBS.html

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Rays Technology Home Page 1 Page 2

👤 Sign Up ↻ Login

# Bootstrap Tooltip

---

❑ The Tooltip is small pop-up box that appears when the user moves the mouse pointer over an element.

- `<a href="#" data-toggle="tooltip" title="Hooray!">Hover over me</a>`

Hover over me

Hooray!

# Positioning Tooltips

---

- ❑ By default, the tooltip will appear on top of the element.
- ❑ Use the data-placement attribute to set the position of the tooltip on top, bottom, left or the right side of the element
  - `<a href="#" data-toggle="tooltip" data-placement="top" title="Hooray!">Hover</a>`
  - `<a href="#" data-toggle="tooltip" data-placement="bottom" title="Hooray!">Hover</a>`
  - `<a href="#" data-toggle="tooltip" data-placement="left" title="Hooray!">Hover</a>`
  - `<a href="#" data-toggle="tooltip" data-placement="right" title="Hooray!">Hover</a>`

# Bootstrap Pager

- ❑ It is some form of pagination.
- ❑ It provides previous and next buttons.
- ❑ We can create previous/next buttons, by adding the .pager class to an <ul> element.
- ❑ Use the .previous and .next classes to align each button to the sides of the page:
  - <ul class="pager">
  - <li class="previous"><a href="#">Previous</a></li>
  - <li class="next"><a href="#">Next</a></li>
  - </ul>

← → ↺ ⓘ File | F:/Rays%20Tutorial/Bootstrap%20Tutorial/Pager.html

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## Pager with previous next buttons

[Previous](#)[Next](#)

# Bootstrap Panel

---

- ❑ Panels are created with the `.panel` class, and content inside the panel has a `.panel-body` class.
- ❑ It is a block which contains some padding around its content.
- ❑ The `.panel-heading` class is used to add header to the panel.
- ❑ The `.panel-footer` class is used to add footer.
- ❑ To color the panel, use contextual classes (`.panel-default`, `.panel-primary`, `.panel-success`, `.panel-info`, `.panel-warning`, or `.panel-danger`):

# Panel Demo

```
❑ div class="panel panel-default">  
❑     <div class="panel-heading">Panel Header</div>  
❑     <div class="panel-body">Panel Content</div>  
❑     <div class="panel-footer">Panel Footer</div>  
❑ </div>
```

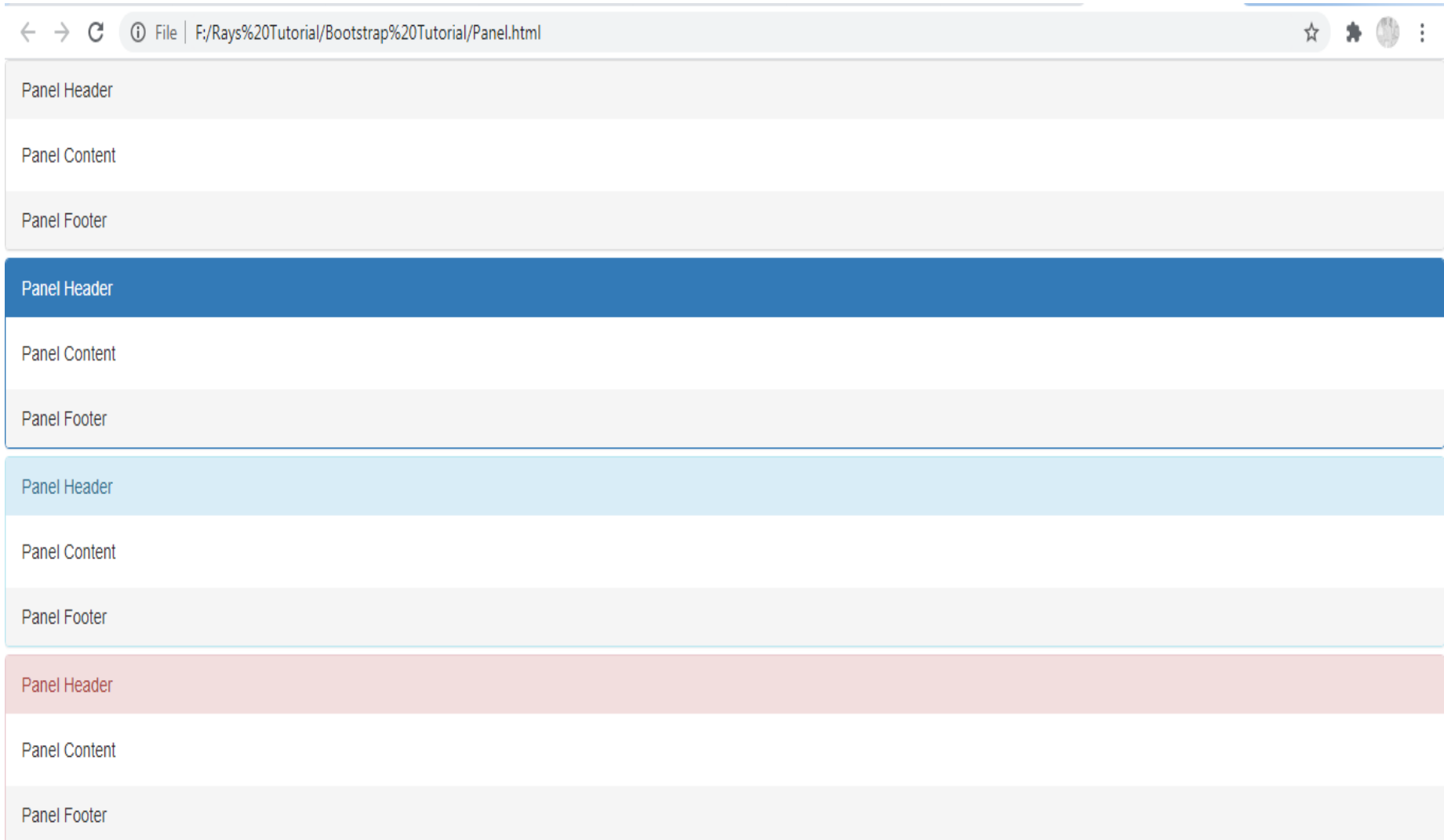
← → ↻ ⓘ File | F:/Rays%20Tutorial/Bootstrap%20Tutorial/Panel.html

Panel Header

Panel Content

Panel Footer

# Panel Group with contextual color



# Bootstrap Forms

---

- ❑ Form controls automatically receive some global styling with Bootstrap
- ❑ All textual `<input>`, `<textarea>`, and `<select>` elements with class `.form-control` have a width of 100%.
- ❑ Bootstrap Form Layouts:
  - Vertical form (this is default)
  - Horizontal form
  - Inline form
- ❑ Standard rules for all three form layouts:
  - Wrap labels and form controls in `<div class="form-group">`
  - Add class `.form-control` to all textual `<input>`, `<textarea>`, and `<select>` elements



# Bootstrap Forms

```
<div class="container">
  <h1>Basic Form in Bootstrap</h1>
  <form action="action_page">
    <div class="form-group">
      <label for="email">Email address:</label>
      <input type="email" class="form-control" id="email">
    </div>
    <div class="form-group">
      <label for="pwd">Password:</label>
      <input type="password" class="form-control" id="pwd">
    </div>
    <div class="checkbox">
      <label><input type="checkbox"> Remember me</label>
    </div>
    <button type="submit" class="btn btn-default">Submit</button>
  </form>
</div>
```

# Bootstrap Forms (cont.)

File | F:/Rays%20Tutorial/Bootstrap%20Tutorial/FormEx.html



## Basic Form in Bootstrap

Email address:

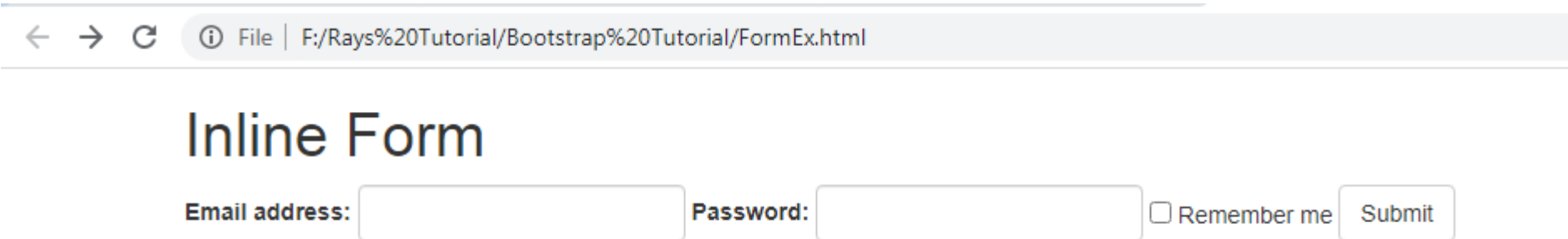
Password:

☐ Remember me

Submit

# Bootstrap Inline Form

- ❑ In an inline form, all of the elements are inline, left-aligned, and the labels are alongside.
- ❑ Additional rule for an inline form:
  - Add class .form-inline to the <form> element



The screenshot shows a web browser window with the address bar displaying 'File | F:/Rays%20Tutorial/Bootstrap%20Tutorial/FormEx.html'. The page content features the title 'Inline Form' in a large, dark blue font. Below the title is a form with the following elements: the label 'Email address:' followed by a text input field, the label 'Password:' followed by a text input field, a checkbox labeled 'Remember me', and a 'Submit' button.

# Bootstrap Inline Form

```
<div class="container">
  <h1>Inline Form</h1>
  <form class="form-inline" action="action_page">
    <div class="form-group">
      <label for="email">Email address:</label>
      <input type="email" class="form-control" id="email">
    </div>
    <div class="form-group">
      <label for="pwd">Password:</label>
      <input type="password" class="form-control" id="pwd">
    </div>
    <div class="checkbox">
      <label><input type="checkbox"> Remember me</label>
    </div>
    <button type="submit" class="btn btn-default">Submit</button>
  </form>
</div>
```

# Bootstrap Form Inputs

---

- ❑ Bootstrap supports the following form controls:
  - input
  - textarea
  - checkbox
  - radio
  - select
- ❑ Bootstrap supports all the HTML5 input types: text, password, datetime, datetime-local, date, month, time, week, number, email, url, search, tel, and color.

# Bootstrap Form Inputs

```
<div class="form-group">
  <label for="usr">Name:</label>
  <input type="text" class="form-
control" id="usr">
</div>
<div class="form-group">
  <label for="pwd">Password:</label>
  <input type="password" class="form-
control" id="pwd">
</div>
```

## Two Input Field

Name:

Password:

# Form inputs

```
<div class="container">
  <h1> Inputs in BS</h1>
  <div class="form-group">
    <label for="usr">Name:</label>
    <input type="text" class="form-control" id="usr">
  </div>
  <div class="form-group">
    <label for="pwd">Password:</label>
    <input type="password" class="form-control" id="pwd">
    <label for="comment">Comment:</label>
    <textarea class="form-control" rows="5" id="comment"></textarea>
  </div>
  <h3>Check Boxes</h3>
  <label class="checkbox-inline"><input type="checkbox" value="">Option
  1</label>
  <label class="checkbox-inline"><input type="checkbox" value="">Option
  2</label>
  <label class="checkbox-inline"><input type="checkbox" value=""
  disabled>Option 3</label>
```

# Form inputs (cont.)

- ❑ `<h3>Radio Buttons</h3>`
- ❑ `<label class="radio-inline"><input type="radio" name="optradio" checked>Option 1</label>`
- ❑ `<label class="radio-inline"><input type="radio" name="optradio">Option 2</label>`
- ❑ `<label class="radio-inline"><input type="radio" name="optradio">Option 3</label>`
- ❑ `<h3>Select </h3>`
- ❑ `<select class="form-control" id="sel1">`
- ❑ `<option>1</option>`
- ❑ `<option>2</option>`
- ❑ `<option>3</option>`
- ❑ `<option>4</option>`
- ❑ `</select>`
- ❑ `<div>`



# Bootstrap Input Sizing

- ❑ set the heights of input elements using classes like `.input-lg` and `.input-sm`.
- ❑ we can quickly size labels and form controls within a **Horizontal form** by adding `.form-group-*` to the `<div class="form-group">` element
- ❑ We can also quickly size all inputs and other elements inside an `.input-group` with the `.input-group-sm` or `.input-group-lg` classes:

File | F:/Rays%20Tutorial/Bootstrap%20Tutorial/InputSizing.html



## Input Sizing

Small input

Default input

Large input

# Bootstrap Input Sizing example **SunilOS**

```
❑ <div class="container">
❑     <h1>Input Sizing</h1>
❑     <div class="form-group">
❑         <label for="inputsm">Small input</label>
❑         <input class="form-control input-sm" id="inputsm"
type="text">
❑     </div>
❑     <div class="form-group">
❑         <label for="inputdefault">Default input</label>
❑         <input class="form-control" id="inputdefault" type="text">
❑     </div>
❑     <div class="form-group">
❑         <label for="inputlg">Large input</label>
❑         <input class="form-control input-lg" id="inputlg"
type="text">
❑     </div>
❑ </div>
```

# Disclaimer

---

- ❑ This is an educational presentation to enhance the skill of computer science students.
- ❑ This presentation is available for free to computer science students.
- ❑ Some internet images from different URLs are used in this presentation to simplify technical examples and correlate examples with the real world.
- ❑ We are grateful to owners of these URLs and pictures.

# Thank You!

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## GET IN TOUCH



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