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2.1: Bootstrap grid system Grid System in Bootstrap



- >Grid systems are used for creating page layouts through a series of rows and columns to wrap the site content.
- >Primarily grids are about providing structure. For web designers a grid defines the horizontal and vertical guidelines for arranging content and enforcing margins.
- For Grids also define an intuitive structure for viewers because it's easy to follow a left to right or a right to left flow of content moving down the page.
- The grid won't be visible with border like table, but it exists behind the scenes to provide order alignment and consistency.
- ➤ Bootstrap includes a grid system amongst its features.

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Mobile first approach uses the grid system in particular is to layout designs first on small screens, such as those that come on a mobile phone and then it can be scaled up the size of those designs to larger and larger environments.

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2.1: Bootstrap grid system Bootstrap grid system



- >Bootstrap includes a responsive, mobile first fluid grid system that appropriately scales up to 12 columns as the device or viewport size increases.
- >Every row in Bootstrap consists of 12 columns.
- >Rows must be placed within a .container class for proper alignment and padding.
- >Use rows to create horizontal groups of columns.
- ➤ Content should be placed within columns, and only columns may be immediate children of rows.
- ➤ Predefined grid classes like .row and .col-xx-4 are available for quickly making grid layouts.

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2.1: Bootstrap grid system Bootstrap grid system – Contd...

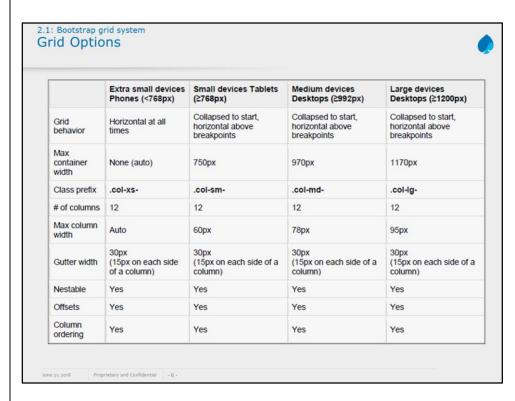


- >Grid columns are created by specifying the number of twelve available columns you wish to span. For example, three equal columns would use three .col-xx-4.
- >Columns create gutters (gaps between column content) via padding. That padding is offset in rows for the first and last column via negative margin on .rows.
- >Grid has 4 sizes
- Ig: indicates that the large grid displaying. The grid stacks horizontally < 1200px.
- md : indicates that the medium grid displaying. The grid stacks horizontally < 992px.
- sm : indicates that the small grid displaying. The grid stacks horizontally < 768px.
- xs: indicates that the extra small grid displaying. This grid is always horizontal.

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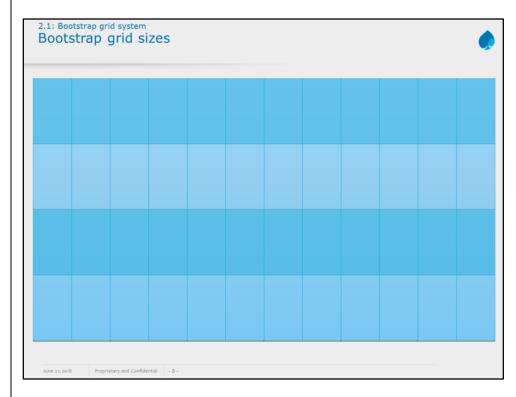


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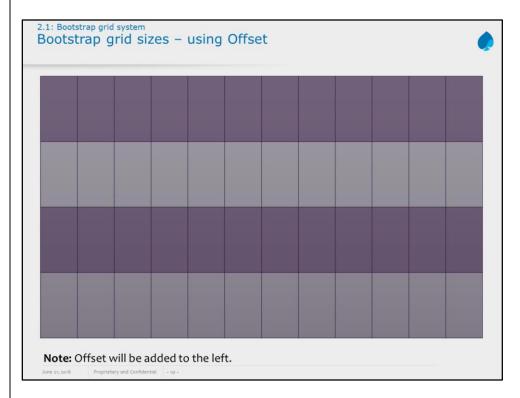
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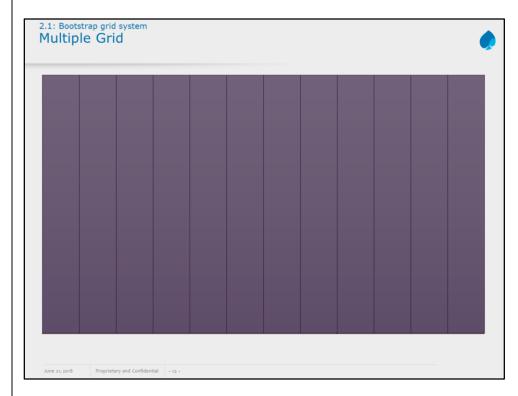
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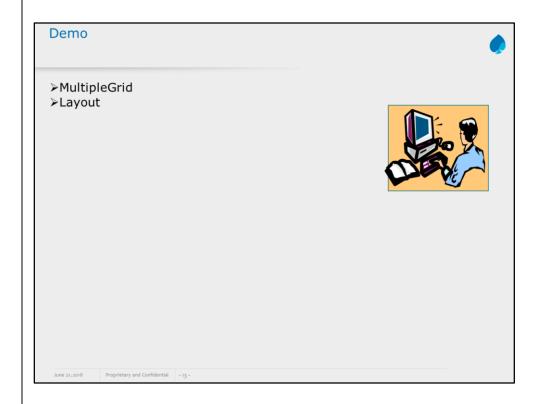
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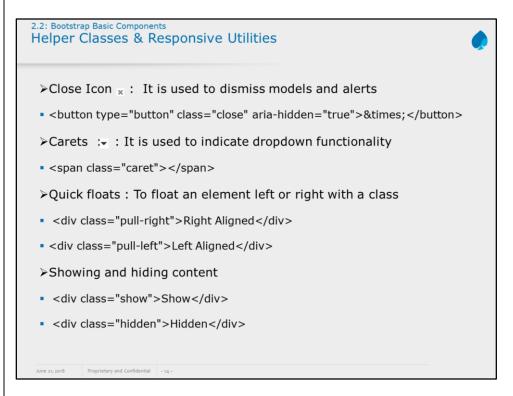
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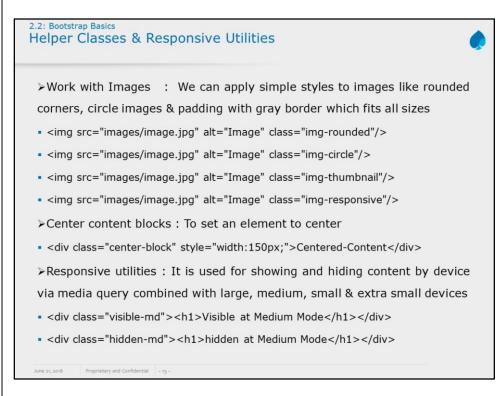


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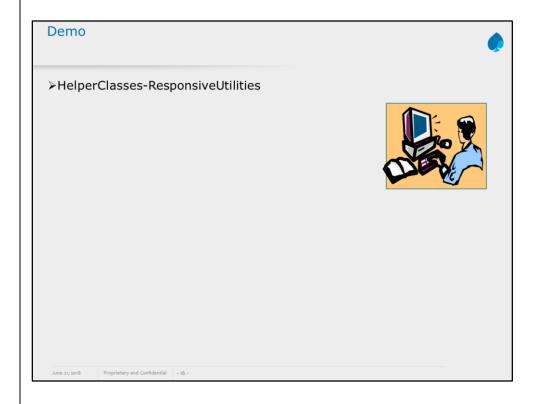


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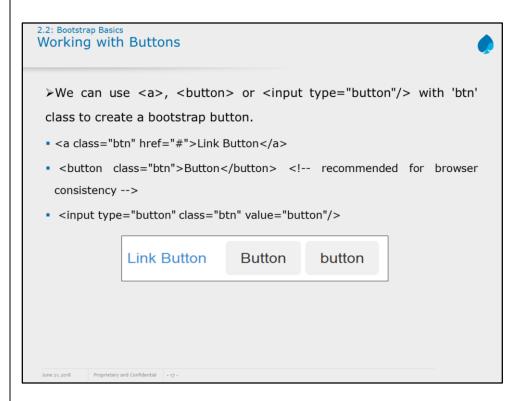
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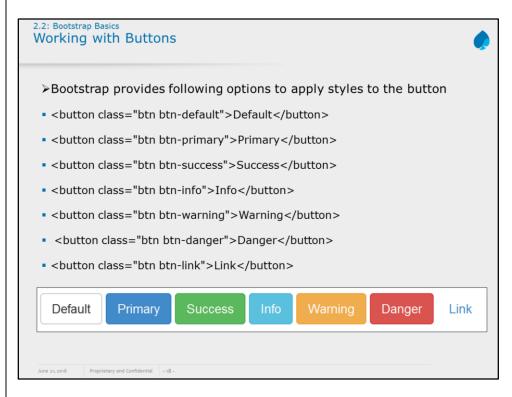


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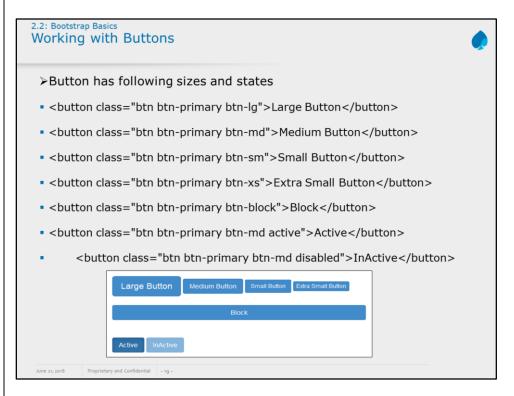
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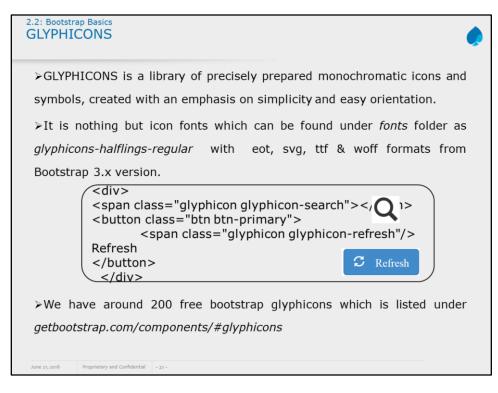
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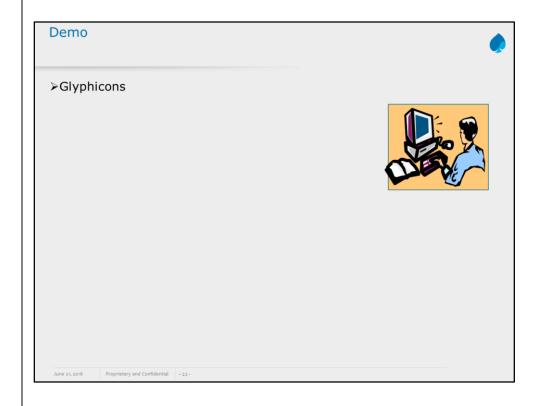
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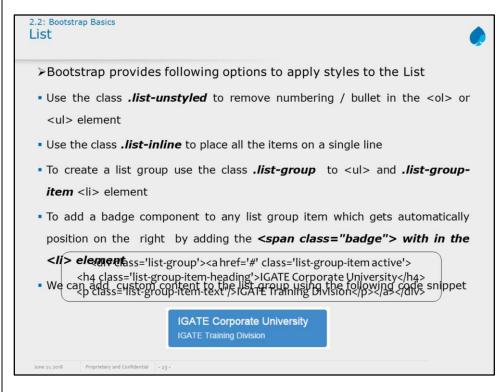
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2.2: Bootstrap Basics Tables



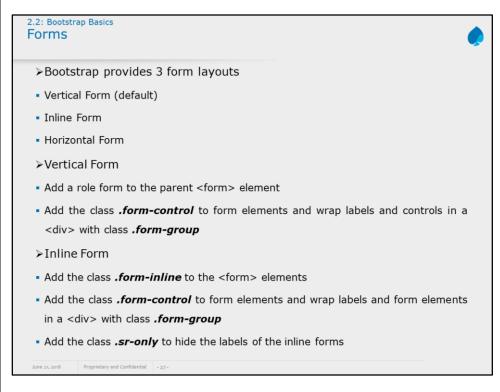
- >Bootstrap provides a clean layout for building tables. Following classes can be used to apply styles over the table.
- **table**: To create a basic Bootstrap style table which takes 100% of the width of its container, and it also adds in some horizontal dividers.
- table-striped : Provides a striping effect for the alternate rows in a table.
- table-bordered : Provide a border to the table
- table-hover: To add a slight hover effect as the mouse moves over a table row.
- table-condensed: It removes most of the cell padding and make the table a little more streamlined.
- table-responsive: It makes the table scroll horizontally to view the contents in small devices
- >Contextual classes : active, success, warning and danger is used to apply background color for the table rows or individual cells.

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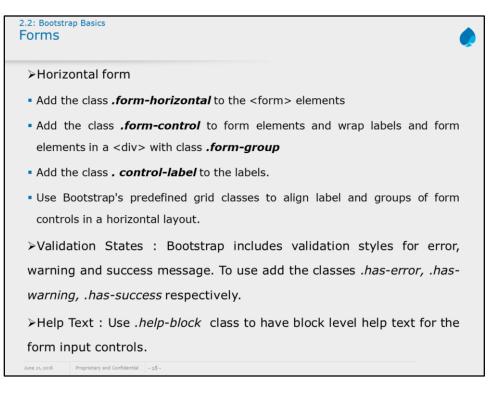


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2.2: Bootstrap Basics Typography

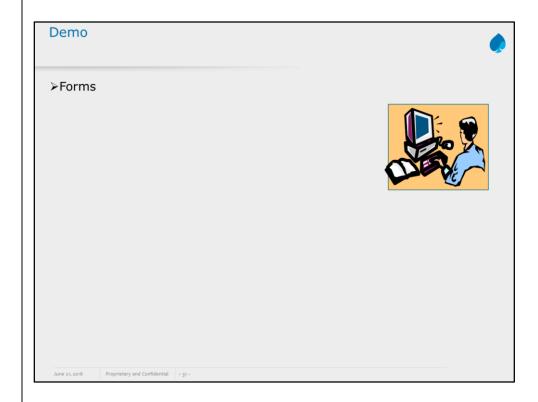


- >Using typography feature of Bootstrap we can create headings, paragraphs, lists and other inline elements.
- All html headings(h1 to h6) are styled in bootstrap.
- By adding .lead class to the paragraph, we can have a larger font size, lighter weight, and a taller line height.
- tag emphasizes a text in italics and tag makes the text bold
- <small> tag sets text at 85% the size of the parent
- <abbr> styles the element with a light border along the bottom and reveals the full text on hover
- <address> styles the contact information on web page. We need to use line breaks to break the lines because <address> default to display:block
- text-left, text-center, text-right, text-muted, text-primary, text-success, text-info,

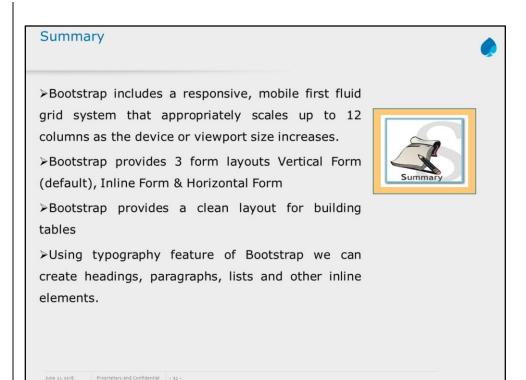
text-warning and text-danger class used to apply the styles to the text

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