Bootstrap Overview

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History

Bootstrap was initially developed by former Twitter employees **Mark Otto** and **Jacob Thornton**, as an internal development tool to improve consistency and efficiency. Then, in August 2011, it was released as an open source project on GitHub and quickly became (and still is) the most popular repository on the platform.

While the framework was well received since the beginning, the surge in popularity really began once version 2 was released, the first update to feature responsive design capabilities.

What is Bootstrap?

Bootstrap is a sleek, intuitive, and powerful mobile first front - end framework for faster and easier web development. It uses HTML, CSS and JavaScript.

Why use Bootstrap?

- **Mobile first approach:** Since Bootstrap 3, the framework consists of Mobile first styles throughout the entire library instead of in separate files.

- **Browser Support:** It is supported by all popular browsers.

- **Easy to get started:** With just the knowledge of HTML and CSS anyone can get started with Bootstrap. Also the Bootstrap official site has a good documentation.

- **Responsive design**: Bootstrap's responsive CSS adjusts to Desktops, Tablets and Mobiles.

  - Provides a clean and uniform solution for building an interface for developers.

  - It contains beautiful and functional built - in components which are easy to customize.

  - It also provides web based customization.

  - And best of all it is an open source.

What Bootstrap Package includes?

- Scaffolding

- CSS

- Components

- JavaScript Plugins

- Customize

Scaffolding

Bootstrap provides a basic structure with Grid System, link styles, background.

CSS

Bootstrap comes with feature of global CSS settings, fundamental HTML elements styled and enhanced with extensible classes, and an advanced grid system.

Components

Bootstrap contains over a dozen reusable components built to provide iconography, dropdowns, navigation, alerts, popovers, and much more.

JavaScript Plugins

Bootstrap contains over a dozen custom jQuery plugins. You can easily include them all, or one by one.

Customize

You can customize Bootstrap's components, LESS variables, and jQuery plugins to get your very own version.

Bootstrap Grid System

- What is a Grid?

- What is Bootstrap Grid System?

- Working of Bootstrap Grid System.

What is a Grid?

In graphic design, a grid is a structure (usually two - dimensional) made up of a series of intersecting straight (vertical, horizontal) lines used to structure content.

What is 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. It includes predefined classes for easy layout options, as well as powerful mixins for generating more semantic layouts.

Working of Bootstrap Grid System

Grid systems are used for creating page layouts through a series of rows and columns that house your content. Here's how the Bootstrap grid system works:

- 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-xs-4** are available for quickly making grid layouts. LESS mixins can also be used for more semantic layouts.

- 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 columns are created by specifying the number of twelve available columns you wish to span. For example, three equal columns would use three **.col-xs-4**.

Thank You

Hope this helped!,
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http://cresttechnosoft.com