Bootstrap:

Bootstrap is a front-end framework for rapid development of Web applications and Web sites. Bootstrap is based on HTML, CSS, JAVASCRIPT's.

## Why Bootstrap?

* **Mobile First:** since Bootstrap 3 onwards, the framework includes libraries throughout the mobile device priority of style.
* **Browser support:** All major browsers support Bootstrap.
* **Easy to use:** as long as you have a basic knowledge of HTML and CSS, you can begin to learn Bootstrap.
* **Responsive design:** Bootstrap Responsive CSS capable of adaptive desktops, tablets and mobile phones.

**For more information about:**

* It developers create simple interface provides a unified solution.
* It includes a powerful built in components, easy to customize.
* It also provides Web-based customization.
* It is open source.

**Bootstrap package contents**

* **The basic structure:** Bootstrap provides the basic structure of the link style background with a grid system. This will be explained in detail Bootstrap basic moiety.
* **CSS:** Bootstrap comes with the following features:

1. Global CSS settings,
2. Define the basic HTML element styles,
3. Scalable class,
4. An advanced grid system. This section will explain in detail the Bootstrap CSS.

* **Components:** Bootstrap contains a dozen reusable components for creating images, drop-down menus, navigation, alert box popup box, and so on.
* **JavaScript widget:** Bootstrap contains a dozen custom jQuery plugin. You can include all plugins, these plugins can also contain individually.
* **Customization:** You can customize Bootstrap components, LESS variables and jQuery plugin to get your own version.

Bootstrap HTML coding Standard

## grammar

1. With two spaces instead of tabs (tab) - This is the only way to ensure a consistent approach to show in all environments.
2. Nested elements should be indented once (i.e. two spaces).
3. For the definition of property, make sure that all use double quotes, never use single quotes.
4. Do not self-closing (self-closing) element tail add a slash - clearly stated that this is optional.
5. Do not omit optional end tag (closing tag) (for example, </li> or </body>).

## HTML5 Document type

For each of the first line of HTML pages Add a standard mode (standard mode) statement, this can ensure that you have a consistent display in each browser.

**Structure:**

**<!DOCTYPE html>**

**<html>**

**<head>**

**</head>**

**</html>**

## Language property

According to the HTML5 specification:

It is strongly recommended to specify the language attribute html root element, so as to set the correct language for the document. This will help to speech synthesis tools should be used to determine their pronunciation, translation to

## IE compatibility mode

IE support through specific <meta> tag to determine the current version of IE rendering pages should be used. Unless there is a strong special needs, otherwise it is best to set the **edge mode,** thereby notifying the IE using the latest models it supports.

## Character Encoding

By explicitly declare the character encoding, the browser can be secured quickly and easily determine page content rendering. The advantage of this is to avoid the use of character entities mark (character entity) in HTML, which is consistent with the entire document encoding (generally use UTF-8 encoding).

<head>

<meta charset="UTF-8">

</head>

## Attribute Order

HTML attribute should be in order of priority in the order given below, to ensure code readability.

* class
* id , name
* data-\*
* src , for , type , href
* title , alt
* aria-\* , role

## Boolean type attribute

Boolean attribute may not be assigned at the time of declaration. XHTML specifications for its assignment, but the HTML5 specification is not required.

Boolean attribute element if the value is true, if no value is false.

If the attribute exists, its value must be the empty string or [...] attribute canonical name, and do not add whitespace at the beginning and end.

Format:

<input type="text" disabled>

<input type="checkbox" value="1" checked>

<select>

<option value="1" selected>1</option>

</select>

## JavaScript generated label

Tags generated by JavaScript so that content becomes difficult to find, edit, and reduce performance.