



Introduction to BootStrap



Agenda

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Bootstrap

- Bootstrap is a **powerful front-end framework** developed by **Mark Otto and Jacob Thornton** at **Twitter**
- It enables us to quickly and easily create **responsive web layouts**
- Bootstrap helps you to develop sites that **looks nice at any size** screen, laptop, tablet, or phone
- It includes HTML and CSS based **design templates** for common UI components like Forms, Buttons, Tables, Navigation, Alerts, Tabs etc

Advantages of Bootstrap

- **Easy** to use
- Only basic knowledge of HTML and CSS is required
- **Compatible with modern day browsers**
- Open source
- Available for **free download**
- Comes with **tools for creating flexible responsive web layouts and UI components**
- Bootstrap saves lots of time and efforts by providing **predefined design templates and classes**
- Bootstrap component **designs and layouts are consistent** as they share the same design templates and styles through a central library.

Responsive web design

- As more and more different devices with access to the web enter the market, it is essential that a website should easily adapt to multiple screen sizes
- A web site need to **look good and equally usable** on any kind of device
(desktop, laptop, smartphone, tablet etc.)
- Developing a website to meet this requirement is known as Responsive Web Design

Using Bootstrap

- Download the bootstrap files from here : <http://getbootstrap.com/>
- Two versions available:
 - Compiled and minified version (Provides compiled CSS and JS file)
 - Source download version (Provides source files)
- The Bootstrap zip file once downloaded and extracted, will contain the below:
 - css : Folder containing all .css files
 - js: Folder contains the bootstrap .js files
 - Fonts : Folder contains font files

Steps to do

- Create a dynamic web project in Eclipse
- Create sub folders called css and js in the WebContent folder
- Copy the **bootstrap.min.css** from the downloaded folder (**css subfolder**) to the css folder of the Project
- Copy the **bootstrap.min.js** from the downloaded folder (**js subfolder**) to the js folder of the Project

“Hello World” program using bootstrap

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Basic bootstrap template</title>
```

```
  <link rel="stylesheet" type="text/css" href="css/bootstrap.min.css"/>
```

```
</head>
```

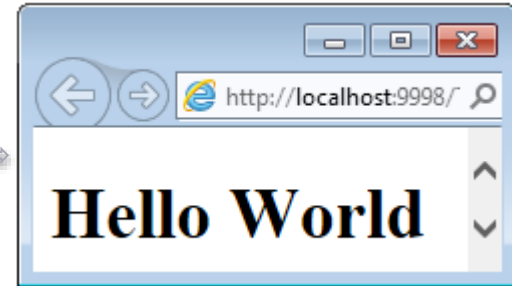
```
<body>
```

```
  <h1>Hello, World!!!</h1>
```

```
</body>
```

```
</html>
```

Without
bootstrap



Note the change in
style for <h1> tag

With bootstrap
See the change in font
style



Quiz

1. Which of the following is true about BootStrap?
 - a. It is a open source framework
 - b. It is used to create Responsive Web Design
 - c. It helps in faster and easier web development
 - d. All of the above is true

2. BootStrap can be downloaded from -----
 - a. Twitter.com
 - b. BootStrap.com
 - c. GetBootStrap.com
 - d. Facebook.com

Summary

In this session, you were able to understand

- What is BootStrap?
- Where to Download BootStrap from?
- How to create a simple program using BootStrap