



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

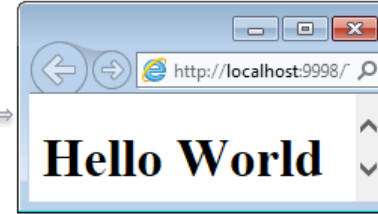
Steps to do

- 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



Thank You