Introduction to BootStrap

Agenda

1 **Introduction to BootStrap**

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Introduction to BootStrap

wipro

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
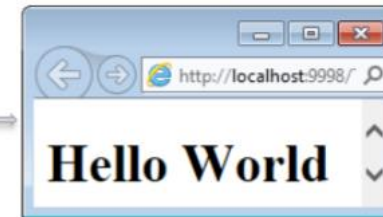   - Fonts : Folder contains font files

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>
```
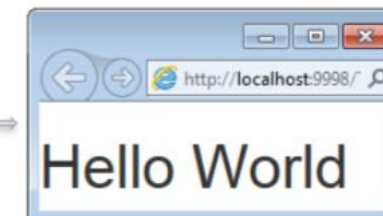
Without bootstrap

http://localhost:9998/

Hello World

Note the change in style for <h1> tag

With bootstrap
See the change in font style

http://localhost:9998/

Hello World

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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

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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