Getting Started with Bootstrap

Jogesh K. Muppala

THE DEPARTMENT OF
COMPUTER **S**CIENCE & **E**NGINEERING
計算機科學及工程學系

香港科技大學
THE HONG KONG UNIVERSITY OF
SCIENCE AND TECHNOLOGY

Getting Bootstrap

- Download compiled (and minified) files from http://getbootstrap.com

- Less and Sass preprocessor sources

- Bootstrap CDN

Compiled Bootstrap sources

- Bootstrap files
- Minified files available
- Need to include these files within your project

```
bootstrap/
|—— css/
|   |—— bootstrap.css
|   |—— bootstrap.min.css
|   |—— bootstrap-theme.css
|   |—— bootstrap-theme.min.css
|—— js/
|   |—— bootstrap.js
|   |—— bootstrap.min.js
|—— fonts/
|   |—— glyphicons-halflings-regular.eot
|   |—— glyphicons-halflings-regular.svg
|   |—— glyphicons-halflings-regular.ttf
|   |—— glyphicons-halflings-regular.woff
```

Using Bootstrap

- Include these lines in the <head> of your html code

    <meta charset="utf-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1">

Using Bootstrap

- Include the CSS files in the <head>

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

  <link href="css/bootstrap-theme.min.css" rel="stylesheet">

Using Bootstrap

- Include the JavaScript files at the bottom of the <body> (why?)

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
  <!-- Include all compiled plugins (below), or include individual files as needed -->
  <script src="js/bootstrap.min.js"></script>

Using Bootstrap CDN

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap.min.css">
```

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap-theme.min.css">
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
```

```
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"></script>
```

Bootstrap Container class

<div class="container"> … </div>

- Container for all the content of the site
- Fixed width (width depends on screen size)
- Use as the outermost div to wrap all the site content for the grid to work correctly
- .container-fluid class allows full width container

Bootstrap Rows

<div class="row"> … </div>

- Divide the page into multiple rows
- Rows act as horizontal grouping for columns
- More about columns in the next lesson
- Rows must be inside containers

Jumbotron

<div class="jumbotron"> … </div>

- – Lightweight, flexible component for showcasing key content, e.g., company name, logo and key information
- – Can be used outside a container to span the entire screen width
  - Use a container inside if you wish to contain the content within a fixed width

Exercise: Getting Started with Bootstrap

- Understand how to set up a web project to use Bootstrap

- Include the Bootstrap CSS and JS classes into a web page

- Design a web page structure using a few basic Bootstrap classes