

Bootstrap, JQuery and FontAwesome

Harry J. Wang, Ph.D.

University of Delaware

Bootstrap and jQuery

- From the official website: “Bootstrap is an open source toolkit for developing with HTML, CSS, and **JS**. Quickly prototype your ideas or build your entire app with ... responsive grid system, extensive prebuilt components, and **powerful plugins built on jQuery**.”
- Go to Getting Started Tutorial:
<http://getbootstrap.com/docs/4.0/getting-started/introduction/> and find the Starter Template

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.0/css/bootstrap.min.css"

    <title>Hello, world!</title>
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965Dz00rT7abK
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.0/umd/popper.min.js" integrity="s
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.0/js/bootstrap.min.js" integrity="sha3
  </body>
</html>
```

Copy

Use this template
for all pages from
this lecture

Bootstrap Components and Templates

- Various components:
 - <http://getbootstrap.com/docs/4.0/components/navbar/>
 - <http://getbootstrap.com/docs/4.0/components/buttons/>
 - <http://getbootstrap.com/docs/4.0/components/modal/>
 - <http://getbootstrap.com/docs/4.0/components/tooltips/>
- Free bootstrap templates to help with layout:
<https://startbootstrap.com/template-categories/all/>

FontAwesome (v4.7.0)

“Font Awesome gives you scalable vector icons that can instantly be customized — size, color, drop shadow, and anything that can be done with the power of CSS”

<https://fontawesome.com/v4.7.0/>

- To use FontAwesome:

1. Copy the entire font-awesome directory into your project.
2. In the <head> of your html, reference the location to your font-awesome.min.css: <link rel="stylesheet" href="path/to/font-awesome/css/font-awesome.min.css">
3. Find icons at <https://fontawesome.com/v4.7.0/icons/> and insert Icons as follows:

```
<i class="fa fa-facebook-official" aria-hidden="true"></i>
```



BS and jQuery Exercise

**Learn how to read the BS component documents
to incorporate those rich features**

Is `$(document).ready` necessary?

<https://stackoverflow.com/questions/4643990/is-document-ready-necessary>