Bootstrap

Jeff Trang Kaitlyn Shih Melvin Su Kevin Frazier



What is it?

- Front-end framework used for web development
 - HTML/CSS-based templates
 - Support for JS
- Original project name "Twitter Blueprint"
 - Made by Mark Otto and Jacob Thornton, improve internal tools
 - "Pairing designers with developers"
 - Version 1 released on Aug 2011, version 4 released on Aug 2015
- Responsive Web Design
- Mobile First
- One of the most starred repo on Github

Key Features

- Mobile Friendly
 - Auto-resizing
 - Only one line of code
 - <meta name="viewport" content="width = device-width, initial-scale = 1">
- Pre-styled Components & Templates
 - o Drop-downs, buttons, navigation, badges alerts, progress bar
 - Different colors, fonts, layout available
- Grid Based
 - Designed in responsive 12-column grids, layouts, and components
- Good Documentation/Community base

Typical Use Scenarios

- Building websites for mobile/pc/both
 - o Blogs, storefronts, organization, resume
- Short/Simple projects
- Internal tools development

Pros and Cons

Pros

- Easy learning curve
 - Basic html/css knowledge
- Customizable
- Reduces need for user-defined classes

Cons

- Popular -> lack of unique designs
 - Easy to tell when Bootstrap was used as a framework

Alternatives

Foundation

- ZURB
- "Do it yourself" -> more customizable
- More Structured -> Robust grid system

Angular

- Google
- MVC components reusable
- No additional plugins / unit test ready

Materialize

- Google
- Based off of Material Design
- https://material.io/design/introduction/







How to get started / Resources?

- Source files
 - Download & include in directory
- CDN

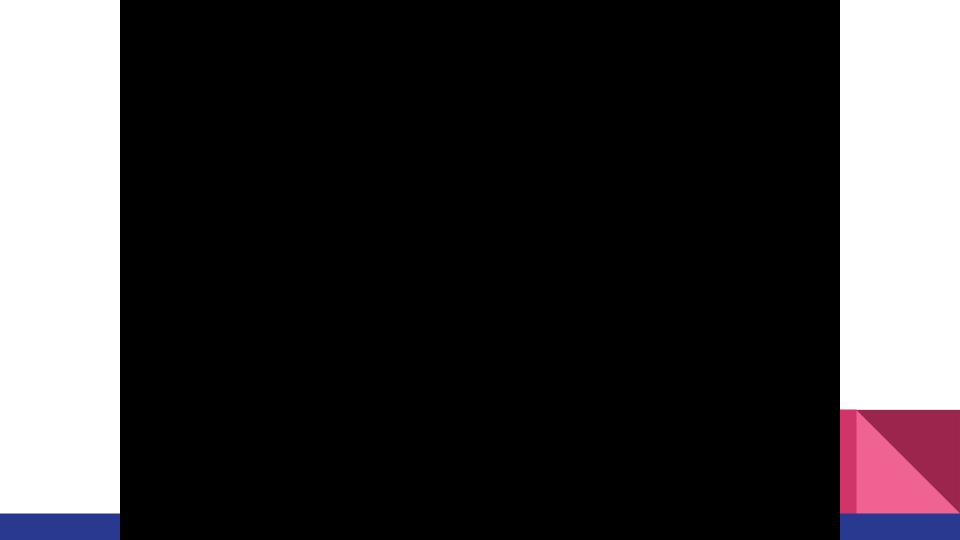
NPM

- o npm init
- o npm install bootstrap
- https://getbootstrap.com/docs/4.3/getting-started/introduction/

Framework Support

Compatability Multiple Devices Sass/Less

DEMO



Questions?