WEB FRAMEWORKS

WHAT IS A FRAMEWORK?

- Starting point to build rich, complex websites and applications
- Free, open-sourced code
- Two main terms: CSS framework and JavaScript framework
- CSS frameworks: set of well structured CSS styles, grid classes, and JavaScript components (optional)
- JavaScript frameworks: controls, functions and methods to develop Single Page Application (SPA)

CSS FRAMEWORKS

Bootstrap

Twitter (getbootstrap.com)

Foundation

Zurb (foundation.zurb.com)

Skeleton

Dave Gamache (getskeleton.com)

• UlKit

YOOtheme (https://getuikit.com)

JAVASCRIPT FRAMEWORKS

- Angular.jsGoogle
- React.jsFacebook
- Vue.js
 Evan You (Formerly of Google)

- Backbone
- Ember

REASONS TO USE A FRAMEWORK

- Less code to write, save time and money
- No reinventing the wheel
- Cross-browser tested, bugs fixed, upgrades offered
- Easier for new people to take over a project Familiarity with the framework, well documented

REASONS TO AVOID FRAMEWORKS

Websites tend look the same

• Websites can load slowly

Although content delivery networks (CDNs) help

Bloat is common

Thousands of lines of code:

Bootstrap v4.1 ~9,600

UIKit v3.0 ~11,800

Foundation v6.4 ~5,800

HOW TO PICK A FRAMEWORK

- Can be challenging
- Requirements of the project
- Design
 How much code will you need to write on top of the framework?
- Experience with the framework
- Support and maintenance of the framework
- Community around the framework

QUESTIONS?