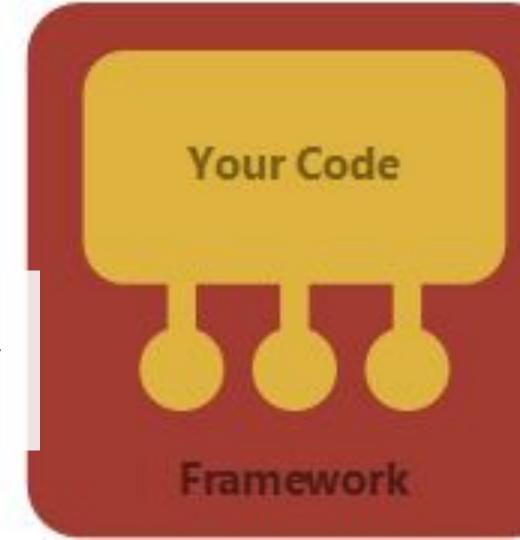




What is a Library and a Framework?

Tour Code



back on medium-sized devices with .d-md-block.

What is a Library and a Framework?

Third slide label

Some representative placeholder content for the third slide.

```
elExampleCaptions" class="carousel slide" data-bs-ride="carousel">
arousel-indicators">
e="button" data-bs-target="#carouselExampleCaptions" data-bs-slide
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erousel-inner">
'carousel-inner">
'carousel-item active">
'..." class="d-block w-100" alt="...">
i="carousel-caption d-none d-md-block">
```

st slide label</h5>

- Both libraries and frameworks are reusable code.
- Their purpose is to help you solve common problems in simpler ways.
- Bootstrap for example is an easier way to style your page instead of writing everything out in CSS.

What is a Library?

- Reusable code that has been written by previous developers.
- Some libraries and mathematics allow the developer to call a function without having to redo the implementation of how the algorithm works.
- Libraries can be easily replaced by other libraries.
- As developers we are in FULL control of how we use libraries.
- Example: JQUERY

What is a Framework?

- The framework is in charge of the flow. It controls the structure of your application.
- Frameworks can be style guides that allow us to follow best practices when it comes to designing our applications.
- Example: Bootstrap

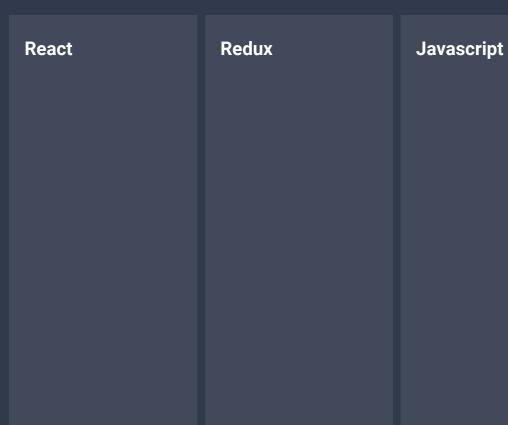


Bootstrap

- Created by Twitter in the in mid 2010
- Bootstrap is a free open source CSS framework.
- Mobile first approach
- Pre-built CSS styles and classes
- Responsive when using grid, flex box and break points
 - Grid: Mobile first flex grid (12 column grid system)
 - Flexbox: alignment and layout navigation and components
 - Break Points: five predefined classes for building responsive layouts
- Reboot.. Instead of using the precise color name (#14acf2) you can use the word 'primary'
 - CSS can be used for customizations that Bootstrap can't handle



Which ones are Libraries and which ones are Frameworks?



Lets code!

