BOOTSTRAP AJAX,

Bootstrap CSS Basics

Frontend

HTML   CSS   JavaScript

CSS Frameworks		
Bootstrap	Tailwind CSS	Bulma
Foundation	Primer CSS	Spectre CSS
Materialize CSS	Onsen UI	Semantic UI
Blaze UI	Pure CSS	Tachyons

CSS Preprocessors
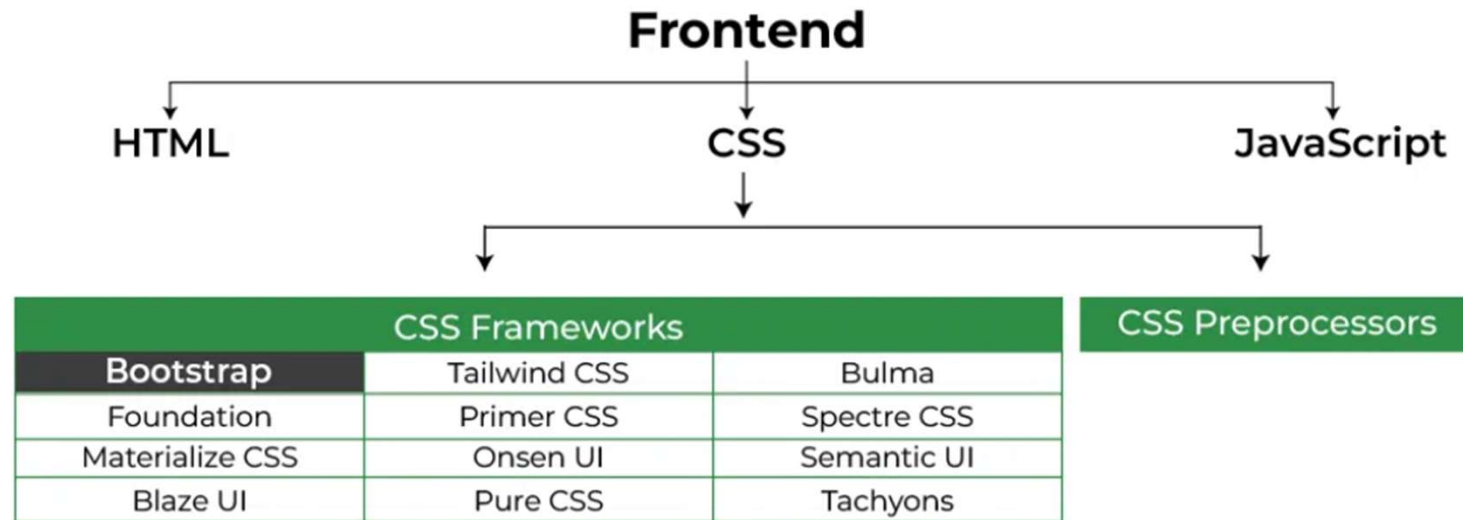
Mobile usage
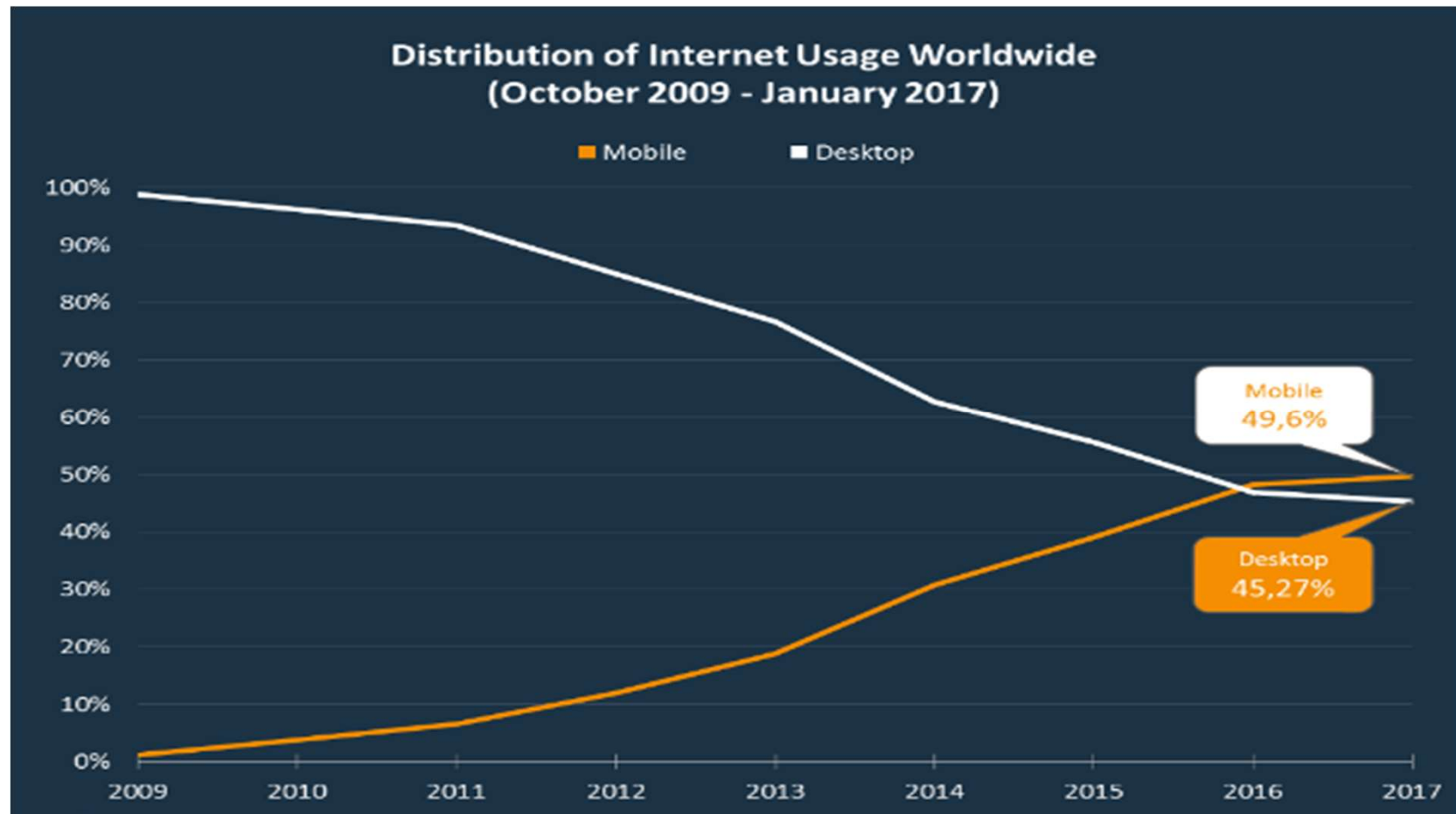
Responsive- Web Design

- Different views for Desktop and Mobile.
- Responsive Web Design is about creating websites which automatically adjust themselves to look good on all devices, from small phone to large desktops.
  - Mobile
  - Tablets
  - Desktop
  - Big Displays

  - Different code for Different devices is difficult.. BOOTSTRAP will do that.

Check for responsive webpages→

What is Bootstrap

- Bootstrap is a front-end CSS framework used to build responsive and mobile-friendly websites efficiently, providing a collection of tools, components, and styles that simplify the web development process.

- Bootstrap in CSS refers to the predefined set of CSS classes and styles provided by the Bootstrap framework, allowing developers to easily enhance the appearance and functionality of HTML elements without extensive custom CSS coding

Applications

- Mobile-first Design
- Reusable classes
- Inbuild UI elements
- Browser compatibility
- Simple and Powerful etc..

Applications of Bootstrap

- **Responsive Web Design**: Bootstrap empowers developers to create websites that seamlessly adapt to different screen sizes and devices, providing a consistent and optimal user experience.

- **Mobile-First Development**: Bootstrap's mobile-first approach ensures that websites are designed and optimized for mobile devices, catering to the increasing usage of smartphones and tablets.

- **Efficient Prototyping**: With its extensive collection of pre-designed components and templates, Bootstrap facilitates rapid prototyping, enabling developers to quickly create functional website layouts and UIs.

- **Consistent Cross-Browser Compatibility**: Bootstrap's standardized CSS and JavaScript codebase ensures consistent rendering and functionality across various web browsers, saving developers time and effort in browser-specific troubleshooting.

- **Customizable Themes and Styling**: Bootstrap offers a wide range of customizable themes and styles, allowing developers to create visually appealing and unique designs that align with their brand or project requirements.

- **Time and Cost Efficiency**: By leveraging the power of Bootstrap, developers can save significant time and effort in front-end development, resulting in faster project delivery and cost savings.

How to go about it?

- Include Bootstrap's CSS and JS from websites.
- Place the <link> tag in the <head> for our CSS,
- and the <script> tag for our JavaScript bundle (including Popper for positioning dropdowns, poppers, and tooltips) before the closing </body>.

Eg

```
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap demo</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css >
  </head>
  <body>
    <h1>Hello, world!</h1>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js">
</script>
  </body>
```
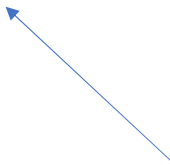
Download Jquery if using offline .css and .js files

Description	URL
CSS	https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css
JS	https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js

Dependent on Jquery

Download the compressed, production jQuery 3.7.1

Try modifying your profile/ college webpage to include bootstrap