COEN 163L

Lab 1 – Website to improve hybrid learning experience

General Announcements

- TA – Alexa Grau, agrau@scu.edu

- Office Hours – by appointment
  - Sign up [here](#)

- Grading
  - 10 point penalty for no demo
  - 5 point penalty for minor mistakes
  - 5 point penalty per day late

Lab 1 Tasks

Based on your assignment 1 brainstorming and prototyping…

1. Make a tutoring/hybrid learning experience **website** with
    a. Information page.
    b. Login & registration page(s)

2. The website must comply with mobile & desktop screen sizes layout.
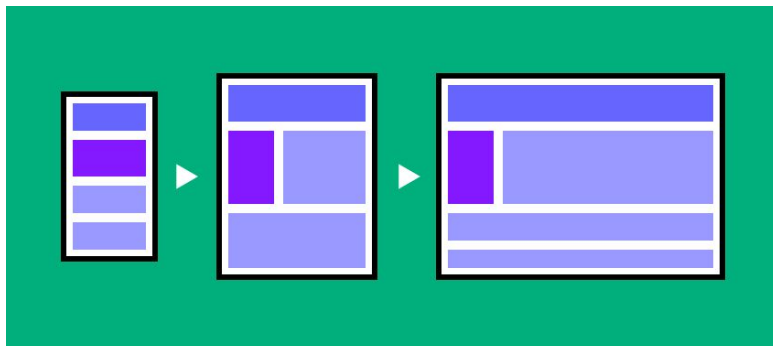
Information Page

- What is your technology?
  - Are you creating a tutoring service? Online video tutorials? Learning companion robot?

- Who are the users?
  - Students/tutees? Tutors? Site managers?

- How is the tutoring happening?

- List the services/products that can be provided via the site.

Login & Registration Page(s)

- Two options – 1 page for each or both login/registration on the same page
    - Which will be best for your users?

- What information does the user need to provide?

Mobile & Desktop Layouts

- Website layout should adapt to screen size

- What layouts will make the user's experience better when they're on different devices?

- Can be achieved multiple ways, including device dependent CSS

Device Dependent CSS

Using two separate CSS files… In your HTML file:

```
<html>

<head>

        <link rel="stylesheet" type="text/css"
        href="iphone.css" media="screen and
        (max-width:999px)"/>

        <link rel="stylesheet" type="text/css"
        href="desktop.css" media="screen and
        (min-width:1000px)"/>

</head>

<body> … </body>

</html>
```

Using one CSS file… In your CSS file:

```
@media only screen and (max-width: 999px) {

        body {

                background-color: lightblue;

        }

}

@media only screen and (min-width: 1000px) {

        body {

                background-color: pink;

        }

}
```

See https://www.w3schools.com/cssref/css3_pr_mediaquery.asp

Submitting

- Demo
  - During lab time or office hours

- Deliverable – all your code in a zip file

- Due Monday 4/11 at midnight