

MIS3690 - Web Technologies

2020 Summer

Class Review (6/29)

How to prepare

- If you have a lot of time && you really want to do well in exam, you should go over
 - all the slides
 - all the exercises
 - all the demo code
 - all the assignments (especially hw3)
 - quizzes
 - sample exam
- If you don't have enough time, you should at least go over:
 - hw3
 - sample exam
 - demo code

HTML

Basic tags

```
html, head, body, style, link, title, script, meta
```

Tags (inside **body**)

```
fieldset, h*, nav, img, a, div, select,  
p, form, table, ul, li, br, hr, caption,  
td, span, label, tr, button, textarea, input,  
th, legend, ol, svg, iframe, audio, video, canvas,  
  
b, strong, i, em, del, ...
```

Tags

- Block-level elements

```
div, form, table, p, h*, ol, ul, li, hr, iframe, fieldset
```

- Inline elements

```
<!-- ... the rest of elements -->  
<!-- examples -->  
span, video, audio, fieldset, canvas  
  
b, strong, i, em, del, ...
```

Semantic elements

```
nav, footer, section, article, main, aside, header, ...
```

Attributes (inside)

```
id, class, name, title, placeholder, height="300", width,  
value, type, href, src, rowspan, colspan, alt, ...
```

in css,

```
div{  
  height: 300px;  
  /* different from attribute height */  
}
```

CSS

```
background, border, text-decoration, color, margin, padding,  
font, position (relative, absolute), float, top, left, ..., display
```

```
/* example */  
div{  
  display: none;  
  /* display: inline; */  
}
```

- advanced selectors
 - n-child, ...
- pseudo class
 - `a:hover`
- play with CSS dinner

JavaScript

- events:
 - `onclick` , ..., `onchange`
- basics:
 - function
 - variables - `let` , `const`
 - for testing/debugging: `console.log()` , `alert()` (not recommended)
 - `if ... else ...`
 - `for` loop
 - arrays
 - `Math.floor()` , `Math.random()`

JavaScript

- how to change style
- how to change images
- how to change/add/delete content
- how to get values from `input`
 - you may need to convert string to numbers - `parseInt`, `parseFloat`
- how to validate form input
 - `isNaN()`
- ...