Lecture date: 20 February 2017

**HTML**

**What is HTML?**

* Specify structure and content
* Use to create and mark up web pages
* Markup Language – use to get resource and identify sections of the resource
* Structure/content (HTML)
* Presentation/aesthetics (CSS)
* Behavioral (JS)

**What’s HTML’s role in modern web development?**

* for structure and content

**Who invented HTML?**

* Sir Tim Berners-Lee

**Who oversee the development of HTML?**

* World Wide Web Consortium (W3C)

**What are the versions of HTML?**

* HTML 1.0 – very limited, no formal specifications
* HTML 2.0 –
  + RFC 1866
  + Evolution of HTML 🡺 W3C
  + Recommentdation – publications

HTML 3.0 – immediately super seeded by 3.2 🡺 4.0 (1997) 🡺 4.01 (1999)

* 4.01 – XHTML (1.0, 1.1, 2.0)
* XML – data markup, data interchange, very strict
* Strict version, transitional version, frameset version
* Ian Hickson – WHATWG
  + Work on evolution of HTML 4.01 🡺 HTML5 (2014)

Lecture date: 2 March 2017

**HTML5**

* Normal html - <img>
* XHTML - <img/>

**HTML ELEMENTS**

**html**

**head**

**title –** website name

**base** – specify a url relative to other html

**link** – links to other resources (stylesheet, icon, etc.)

**meta** – meta information (keyword, author, etc.)

**style** – embedded style element

**body** – actual content

**article**

**aside**

**nav**

**section**

**header**

**footer**

**main**

**address**

**div**

**h1, h2, h3, h4, h5, h6**

**p** - paragraph

**hr** – thematic break

**pre** – preformatted text

**blockquote** – quotation

**ol, ul**

**li**

**dl**

**dt, dd**

**figure** – figure inside content

**figcaption**

**a** - links

**em, strong, small, s**

**cite, q**

**dfn, abbr**

**ruby, rb, rt, rtc, rp**

**data, time** – machine readable information

**code, var, samp, kbd**

**sup, sub**

**i, b, u, mark**

**bdi, bdo** – bidirectional text

**span** – for text level elements

**br, wbr** – word break

**ins, del** – to show edited content

**table**

**caption**

**colgroup ,col**

**thead, tbody, tfoot**

**tr**

**th, td**

**form**

**label**

**input**

**button**

**select, datalist**

**optgroup**

**HTML ATTRIBUTE**

* Global attribute
* Element – specific attribute
* Data - \* attribute
* Role, aria - \* attribute