Midterm Notes:

About CSS

* CSS stands for cascading Style Sheets
* It describes how the HTML elements are to be displayed on the screen or in other media.
* It also saves a lot of works and it can control the layout of multiple web pages at once.
* Language used to specify the presentation aspects of structurally marked up documents
* Developed by Halkon Wium Lie (CHSS) and Bert Bos (SSP).

VERSIONS

* CSS 1
* CSS 2.1 (June 2011)
* CSS3

CSS STATEMENTS

* CSS Selectors
* Subject
* Selector Syntax
* Simple Selectors
* Type selector
* Universal selector
* Attribute selector
* Class selector
* ID selector
* Pseudo class
* Dynamic pseudo class
* Link pseudo class
* :link
* :visited
* User action pseudo class
* :hover
* :active
* :focus
* Target pseudo class
* :target
* Language
* :lang()
* UI element state
* :enabled
* :disabled
* :checked
* :indeterminate
* Structural pseudo class
* :root
* :first-child
* :last-child
* :only-child
* :nth-child()
* :nth-last-child()
* :first-of-type
* :last-of-type
* :only-of- type
* :nth-of- type()
* :nth-last- of-type()
* :empty
* Negation pseudo class
* Type Selectors
* Group Selectors
* Combinators
* Descendant combinatory
* Child combinatory (>)
* Sibling combinatory
* Adjacent sibling combinatory (+)
* General sibling combinatory (-)
* Pseudo elements
* ::first-letter, :first-letter
* ::first-line, :first-line
* ::before, :before
* ::after, :after

CSS RULE PRECEDENCE

* Cascading
* By origin an important
* User agent important declarations
* User important declarations
* Author important declarations
* User normal declarations
* User agent normal declarations
* By specificity
* Inline-style
* Number of ID selectors
* Number of class selectors, attribute selectors and pseudo classes
* Number of type selectors and pseudo elements
* By order
* The last is given priority
* Id value is unique and important
* The example of pseudo class is first-child
* The example of pseudo elements is before and after
* The example of type selectors is p.
* CSS Declarations
* Properties
* All properties have an initial value.
* Values
* Keywords
* Numbers
* Dimensions
* Length, angle, duration, frequency, resolution
* Length units
* Font-relative: em, ex, ch, rem
* Viewport-percentage: vm, vh, vmin, vmax
* Absolute lengths: cm, mm, q, in, pt, pc, px
* Angles unit: deg, grad, rad, turn
* Durations units: s, ms
* Frequency units: dpi, dpcm, dppx
* Percentage
* URL’s and URI’s
* Colors
* Strings
* Functions: cal(), attr(), counter(), linear-gradient(), radial-gradient(), translate(), scale(), rotate() etc.
* CSS Preprocessor
* SAAS
* LESS
* 960 Grid System
* Bootstrap
* Foundation
* Materialize
* HTML Preprocessor
* Markdown
* Slim
* Pug
* CSS Framework
* Bootstrap
* Materialize