



Web Development Module Overview

Timetable + Schedule

Module Overview

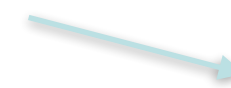
Assignment Sequencing

THURSDAY

FRIDAY

10:45

Webinar



Web Development
Webinar
12:15-2:00



12:15

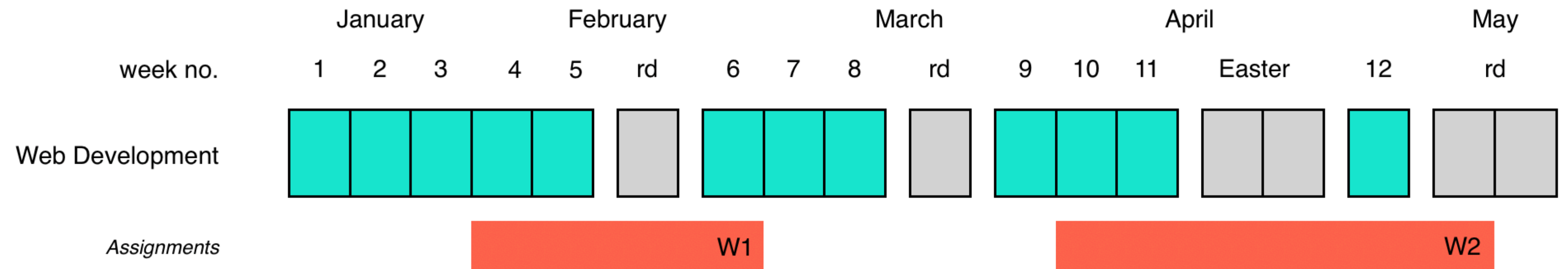
Lab support
throughout
the week

13:45

15:15

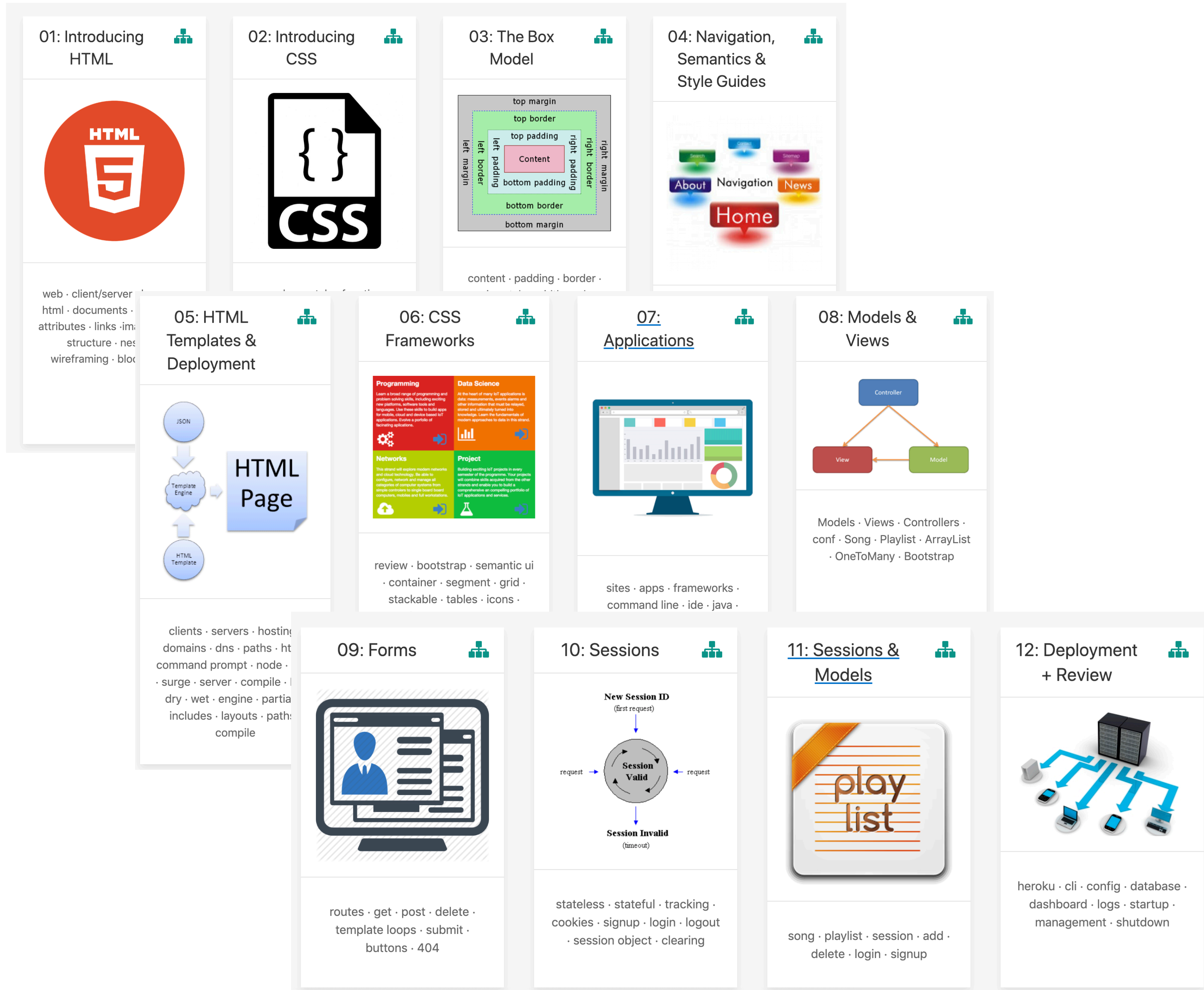
Assessment Schedule

Semester 1		Term
January	Week	10
	1	17
	2	24
	3	31
February	4	7
	5	14
	reading-week	21
	6	28
March	7	7
	8	14
	reading-week	21
	9	28
April	10	4
	11	11
	Easter-break	18
		25
	12	2
May	reading-week	9
	reading-week	16



12 Topics – one topic per week

Each Topic builds on concepts, tools and techniques from previous weeks.

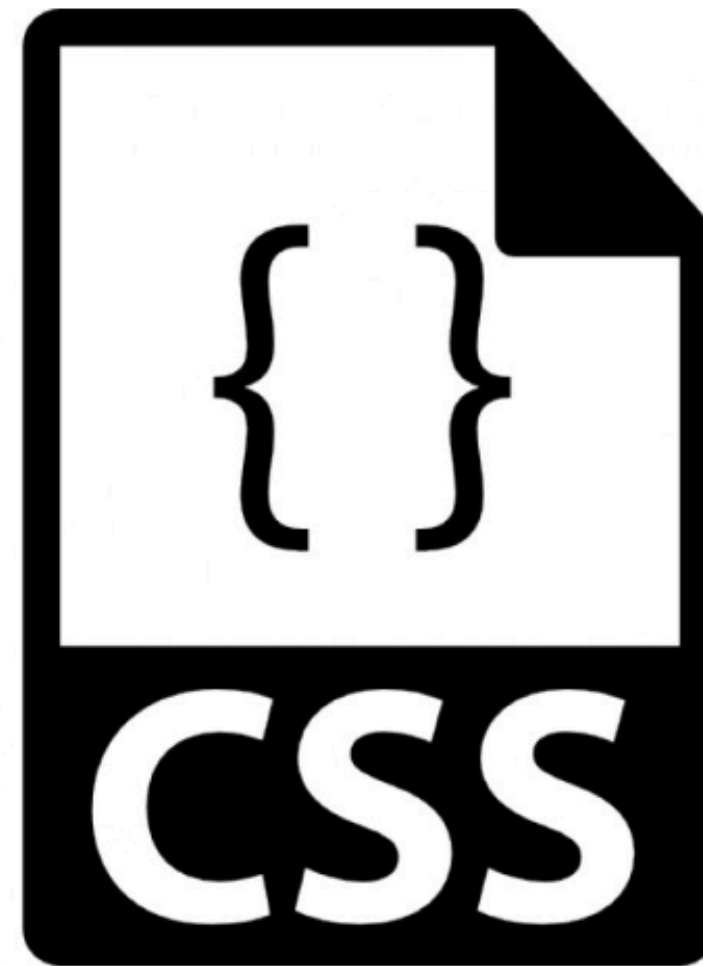


01: Introducing HTML



web · client/server · browser ·
html · documents · elements ·
attributes · links · images · page
structure · nesting ·
wireframing · block · inline

02: Introducing CSS

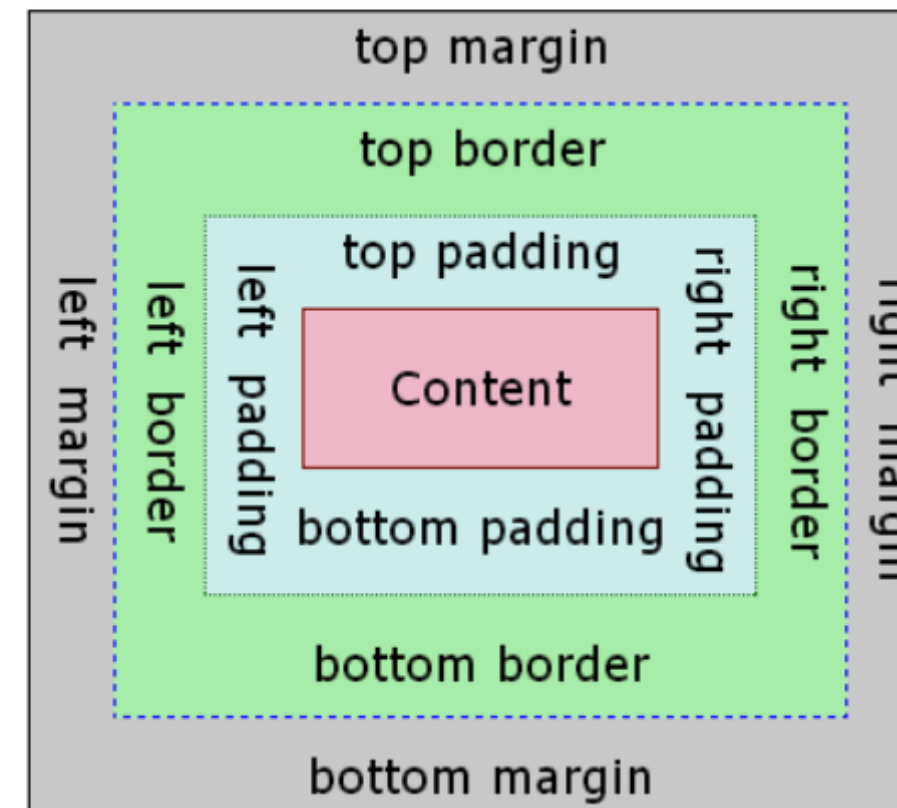


markup · style · function ·
stylesheet · rules · selectors ·
declarations · properties ·
values · classes · ids ·
inheritance

Core HTML + CSS

Laying out pages with CSS Structuring a Navigation Metaphor

03: The Box Model



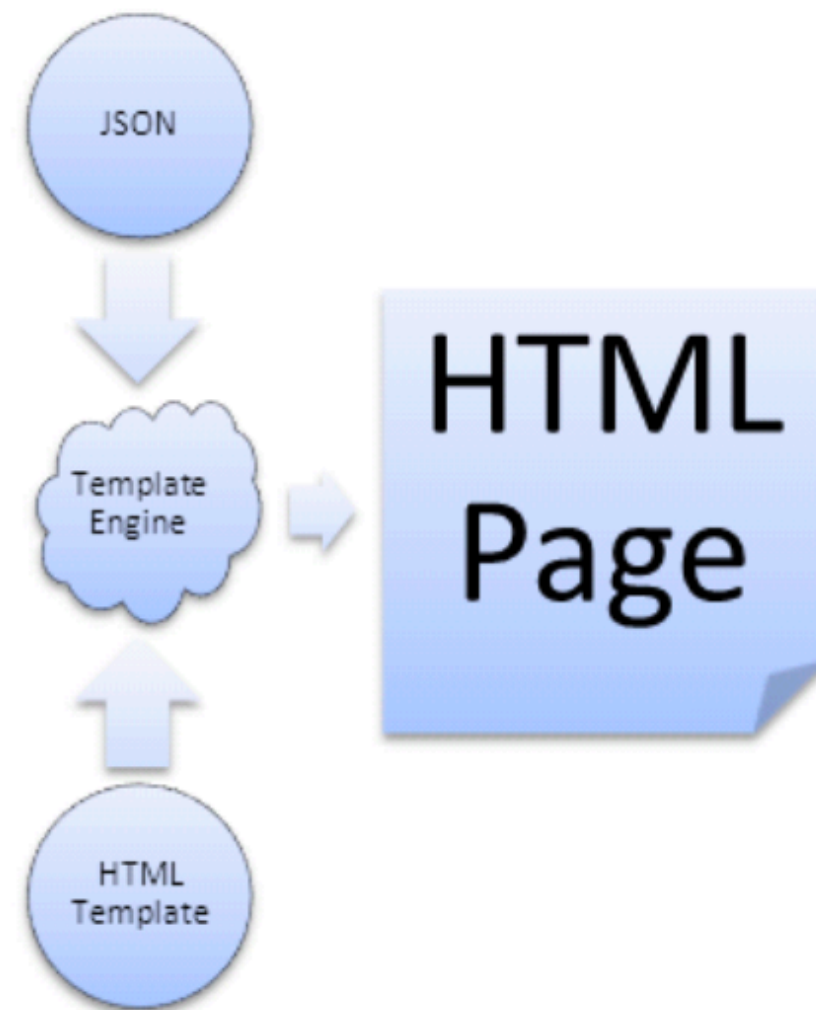
content · padding · border ·
margin · style · width · colour ·
dom · layout · float · left · right

04: Navigation, Semantics & Style Guides



indentation · encoding ·
doctype · validity · semantics ·
entities · type attributes ·
quotations · nav · tab · current ·
padding · border · menu · li · ul ·
header · main · nav · aside ·
article · footer · section · figure

05: HTML Templates & Deployment



clients · servers · hosting ·
domains · dns · paths · http ·
command prompt · node · harp
· surge · server · compile · EJS ·
dry · wet · engine · partials ·
includes · layouts · paths ·
compile

06: CSS Frameworks



review · bootstrap · semantic ui
· container · segment · grid ·
stackable · tables · icons ·
images · row · col

Modularising
a web site

Professional
Styling with
CSS Libraries

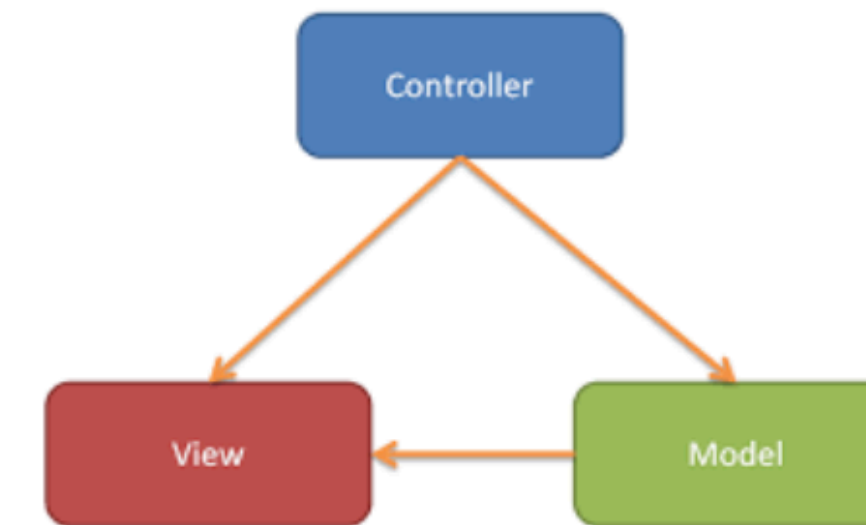
From Web Sites to Web Applications

07: Applications



sites · apps · frameworks ·
command line · ide · java ·
request · response · front-end ·
back-end

08: Models & Views



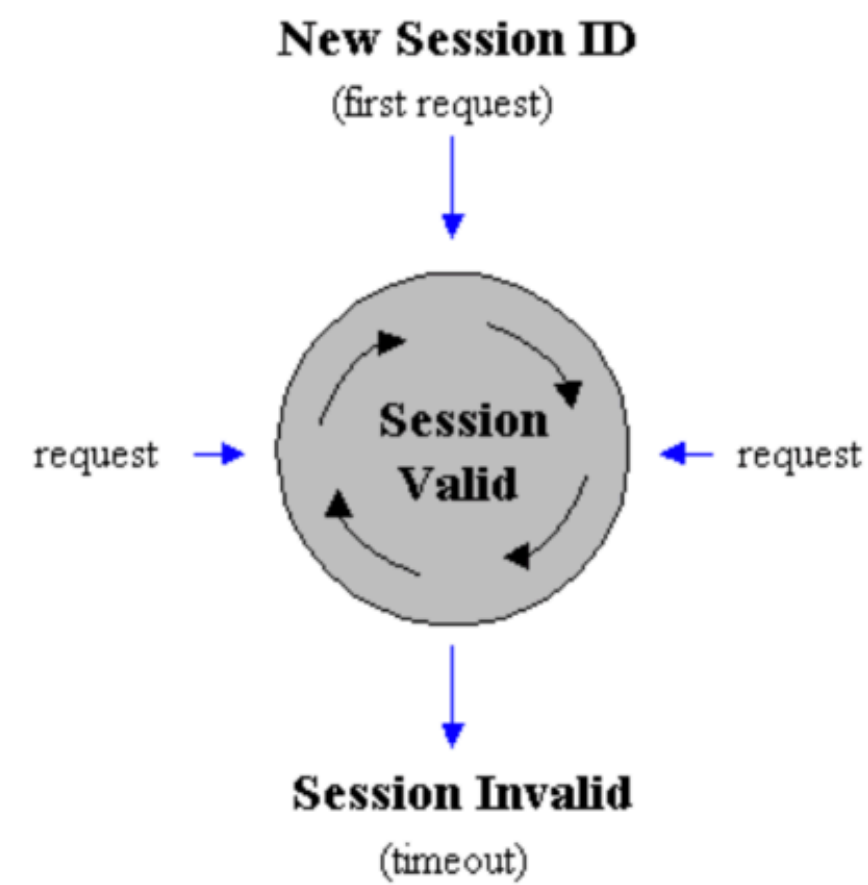
Models · Views · Controllers ·
conf · Song · Playlist · ArrayList
· OneToMany · Bootstrap

09: Forms



routes · get · post · delete ·
template loops · submit ·
buttons · 404

10: Sessions



stateless · stateful · tracking ·
cookies · signup · login · logout
· session object · clearing

11: Sessions & Models



song · playlist · session · add ·
delete · login · signup

Fundamentals
of Web
Application
Development

Moving an Application to the Cloud

12: Deployment + Review



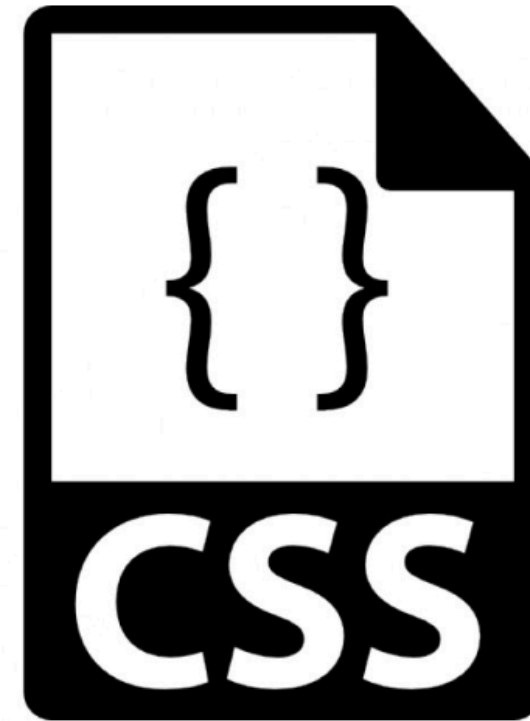
heroku · cli · config · database ·
dashboard · logs · startup ·
management · shutdown

01: Introducing HTML



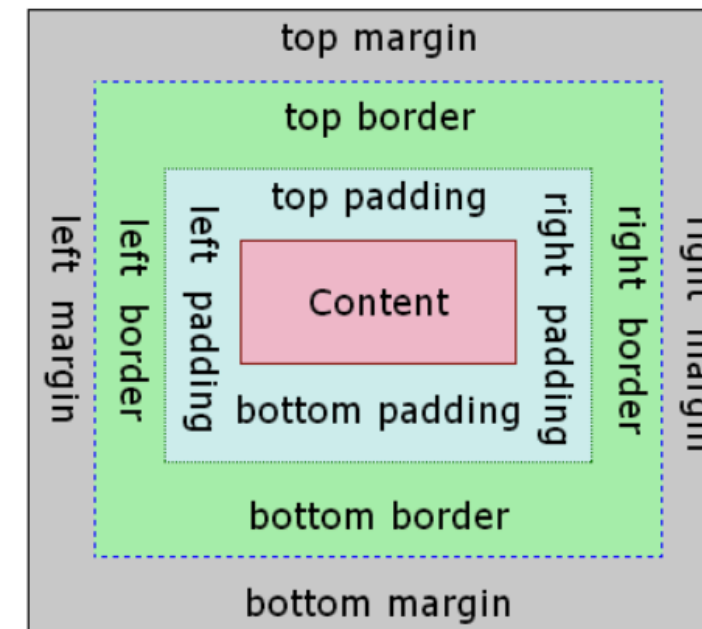
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02: Introducing CSS



markup · style · function ·
stylesheet · rules · selectors ·
declarations · properties ·
values · classes · ids ·
inheritance

03: The Box Model



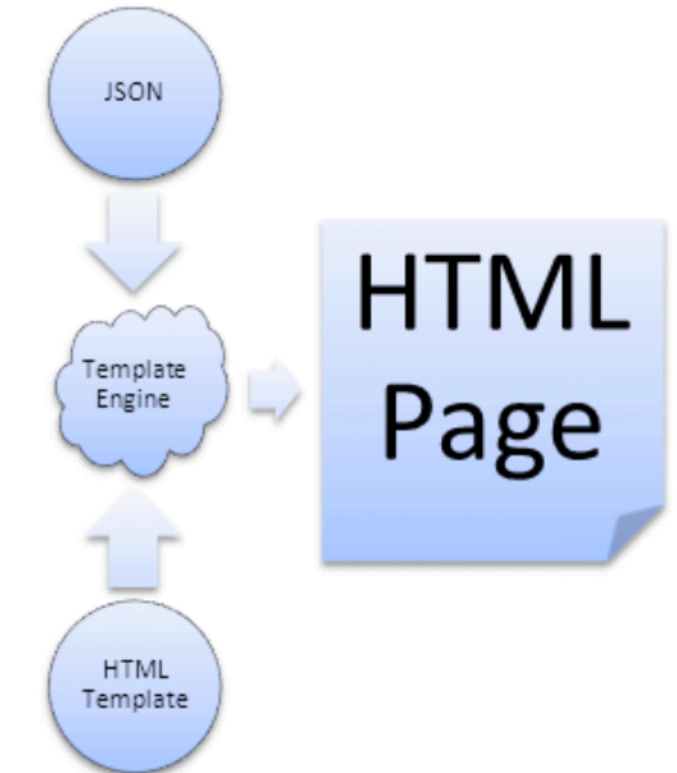
content · padding · border ·
margin · style · width · colour ·
dom · layout · float · left · right

04: Navigation, Semantics & Style Guides



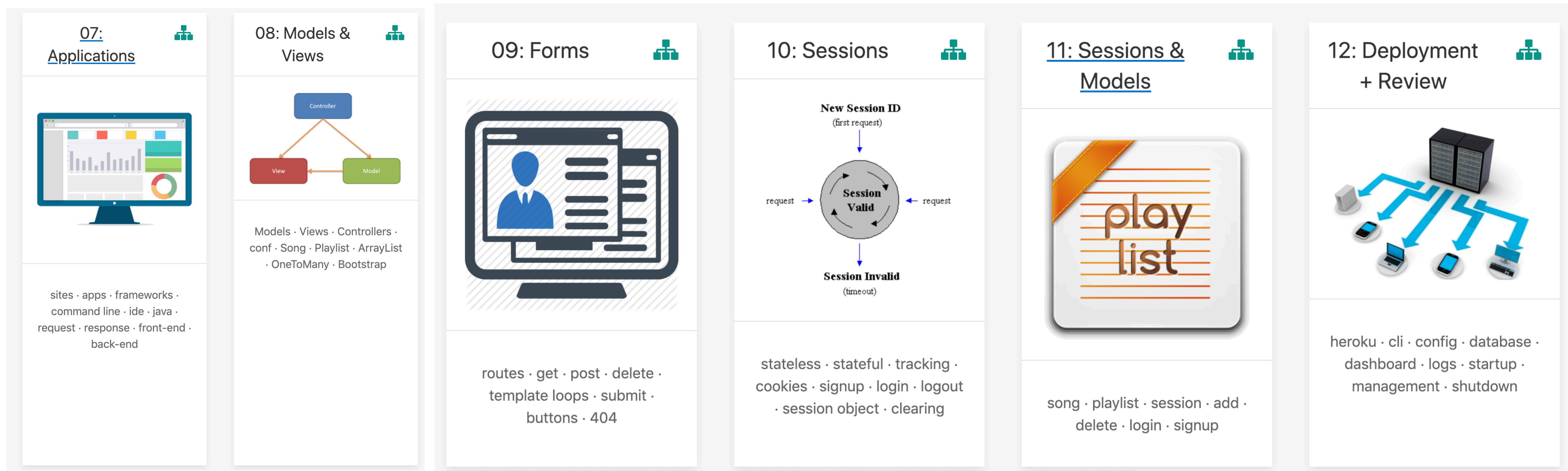
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05: HTML Templates & Deployment



clients · servers · hosting ·
domains · dns · paths · http ·
command prompt · node · harp ·
surge · server · compile · EJS ·
dry · wet · engine · partials ·
includes · layouts · paths ·
compile


Assignment 1 based on skills acquired in topics 1-5
Allocated 40% of overall module grade



Assignment 2 based on skills acquired in topics 6-12

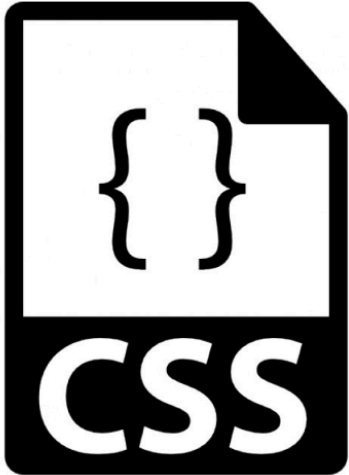
Allocated 60% of overall module grade

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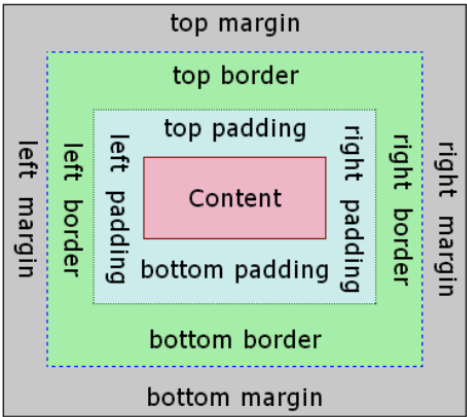
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03: The Box Model



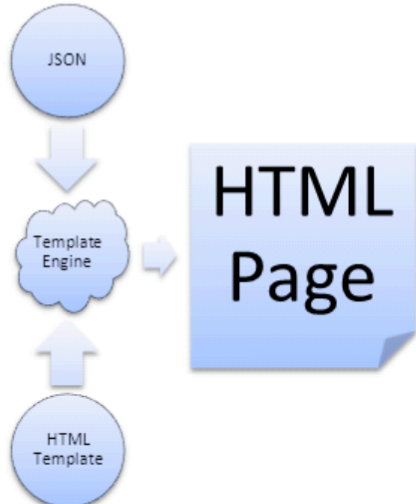
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04: Navigation, Semantics & Style Guides



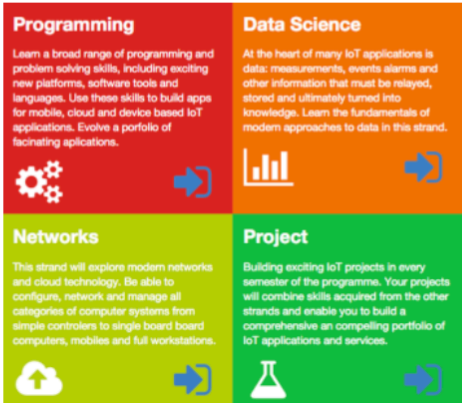
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06: CSS Frameworks



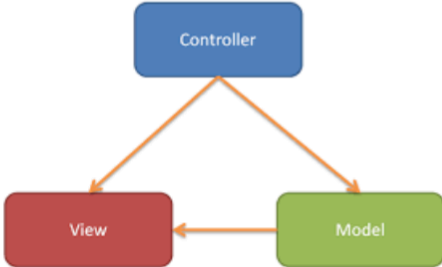
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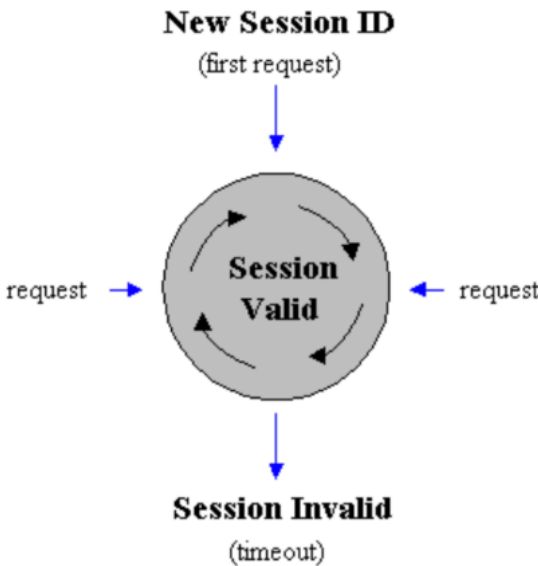
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