



# Web Development Module Overview

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Timetable + Schedule

Module Overview

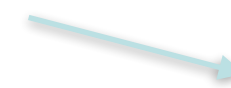
Assignment Sequencing

THURSDAY

FRIDAY

10:45

Webinar



Web Development  
*Webinar*  
12:15-2:00



12:15

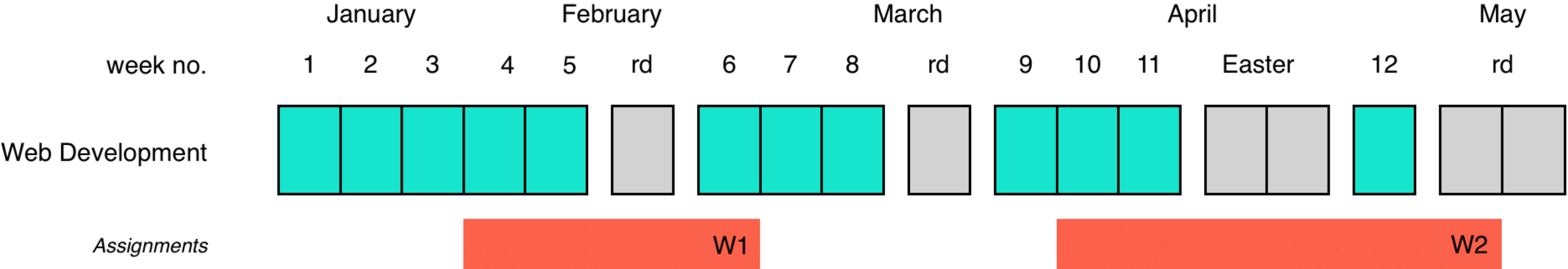
Lab support  
throughout  
the week

13:45

15:15

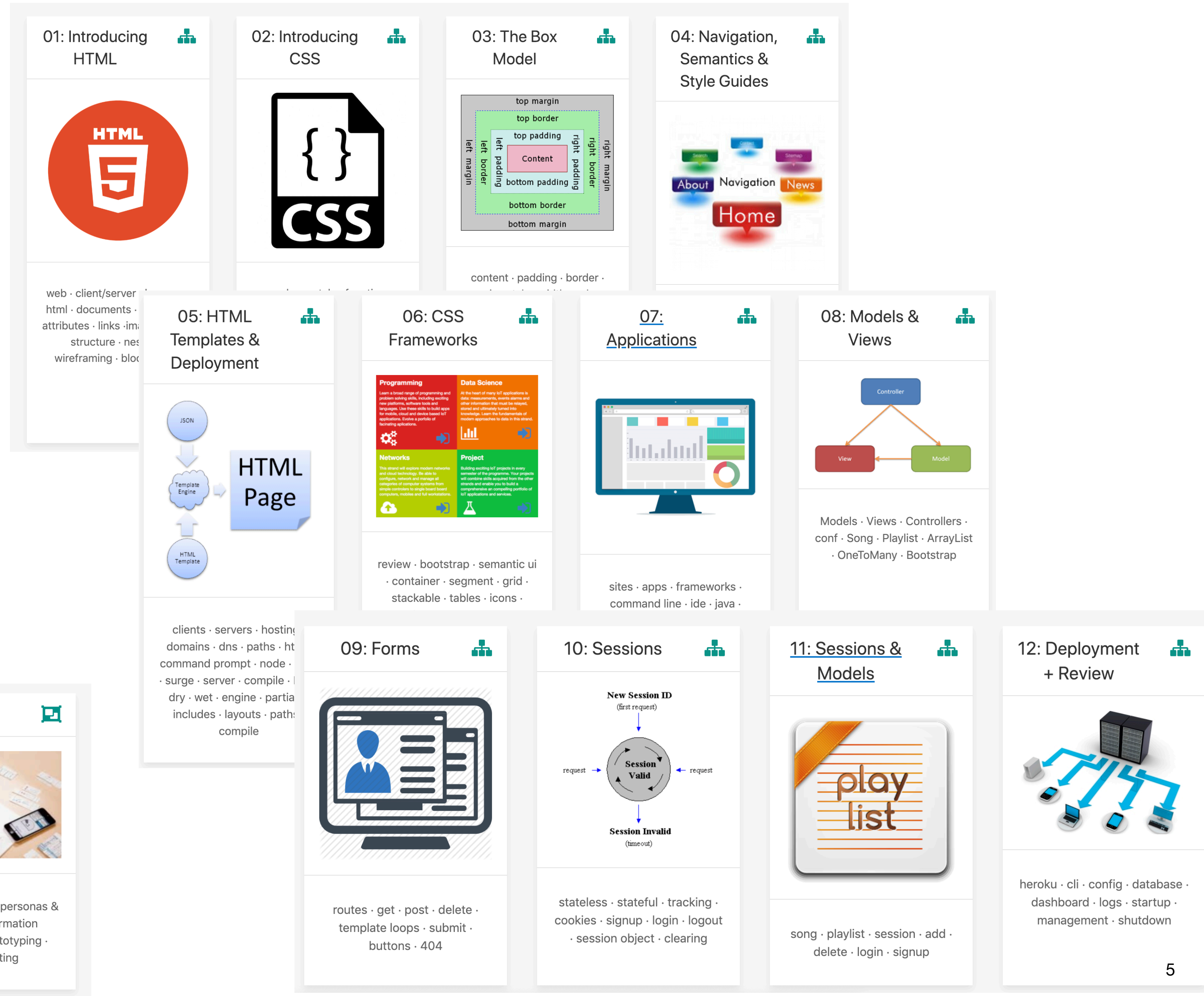
# Assessment Schedule

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



# 12 Topics – one topic per week

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

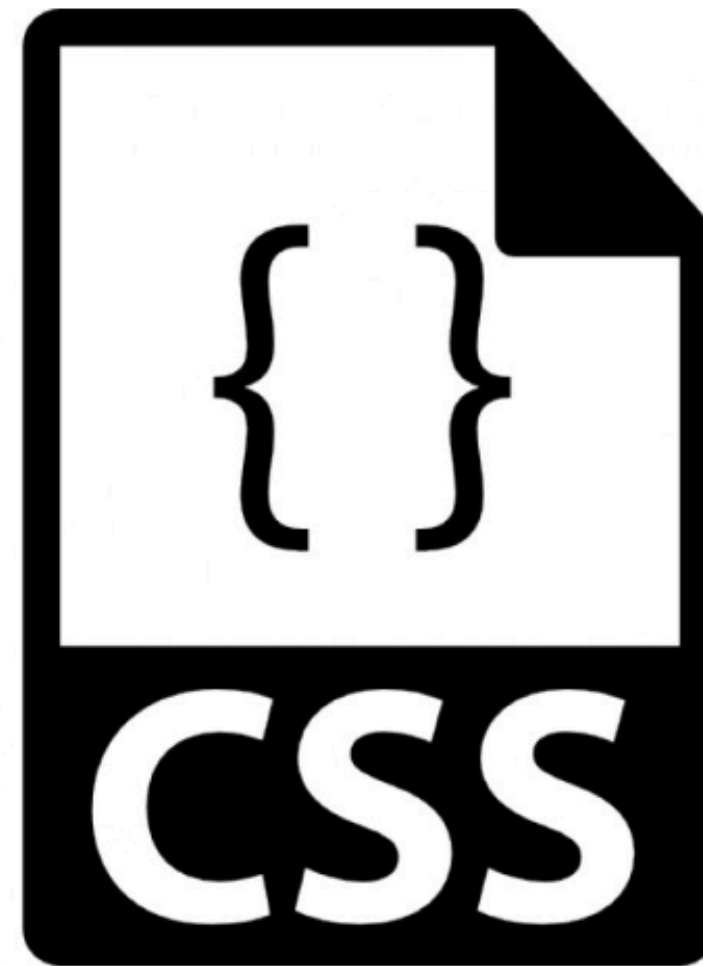


## 01: Introducing HTML



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

## 02: Introducing CSS



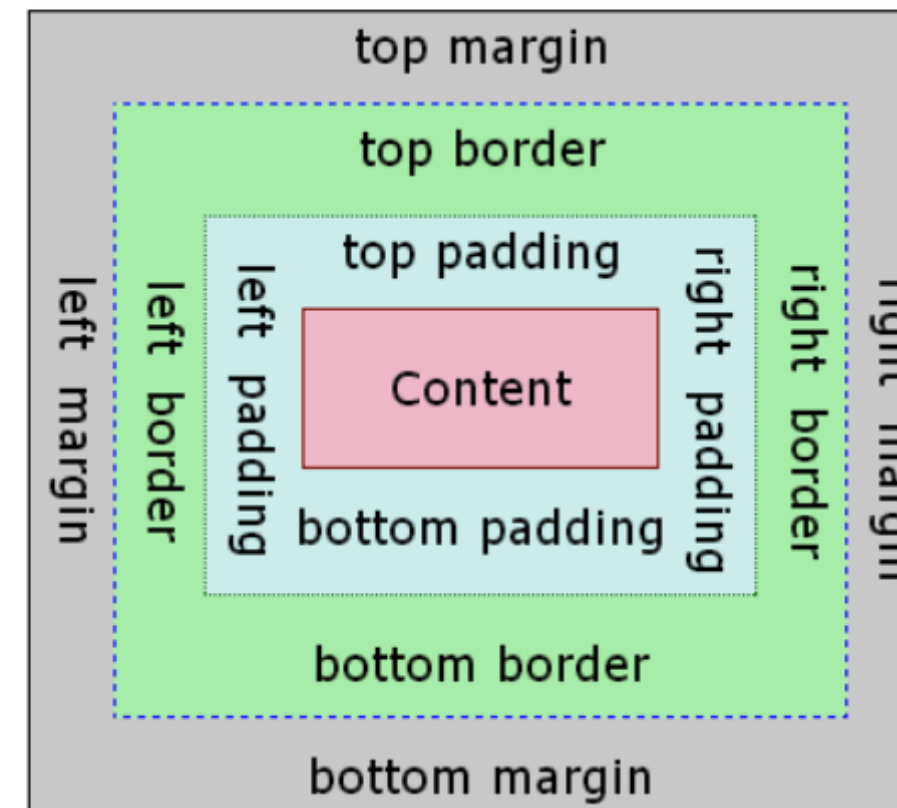
markup · style · function ·  
stylesheet · rules · selectors ·  
declarations · properties ·  
values · classes · ids ·  
inheritance

Core HTML + CSS



# Laying out pages with CSS Structuring a Navigation Metaphor

## 03: The Box Model



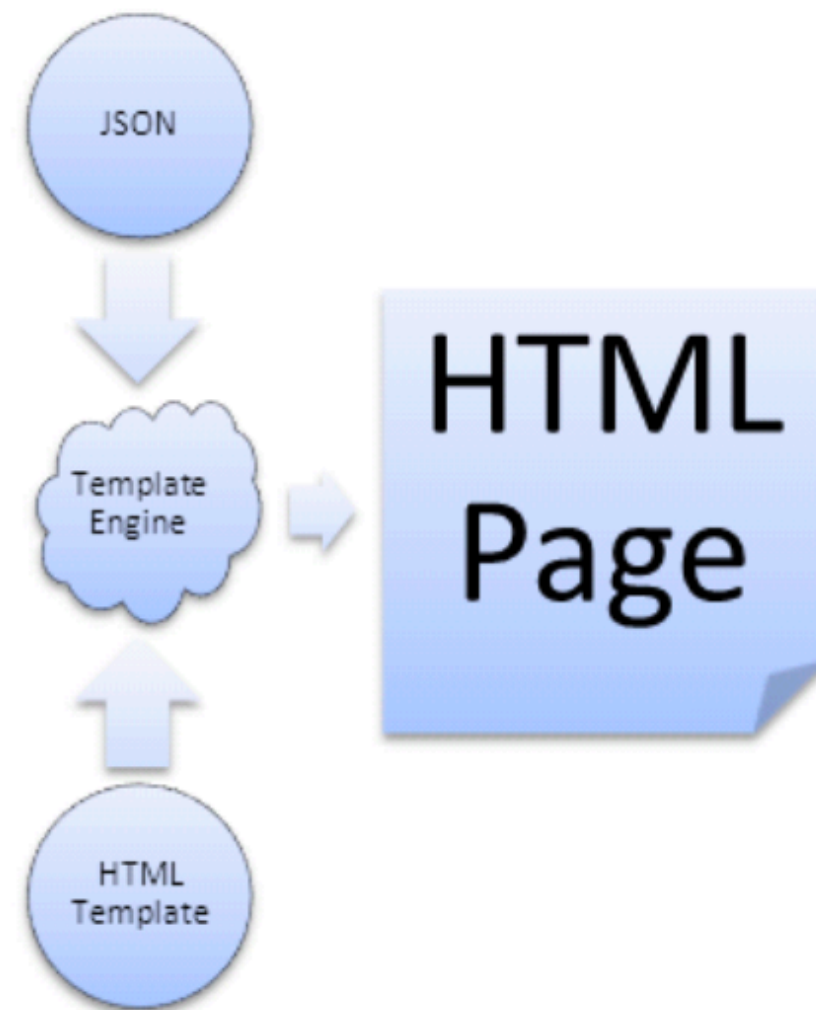
content · padding · border ·  
margin · style · width · colour ·  
dom · layout · float · left · right

## 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



## Design Guides



visual design principles ·  
structure & layout · typography  
· colour design

## The UX



guiding principles · personas &  
scenarios · information  
architecture · prototyping ·  
product testing

Introduction  
to design  
principles for  
the web

Introduction  
to UX

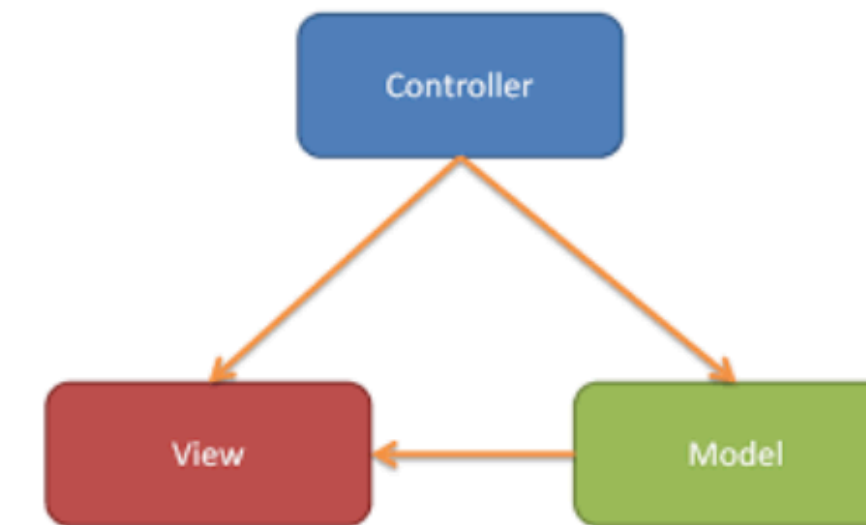
# From Web Sites to Web Applications

## 07: Applications



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

## 08: Models & Views



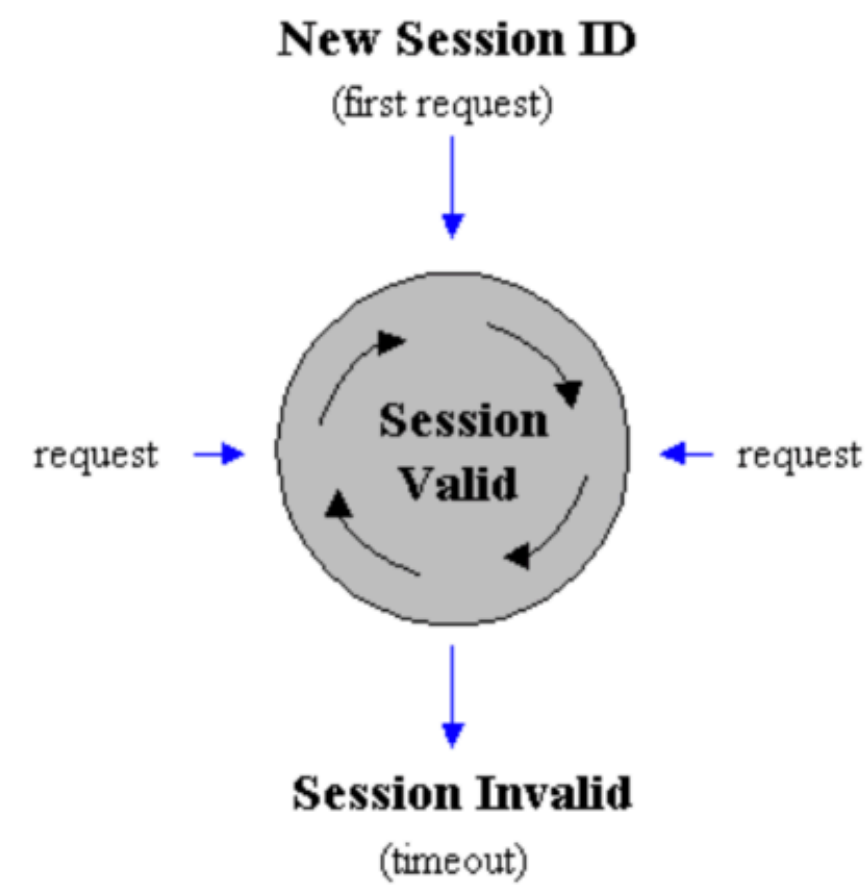
Models · Views · Controllers ·  
conf · Song · Playlist · ArrayList  
· OneToMany · Bootstrap

## 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

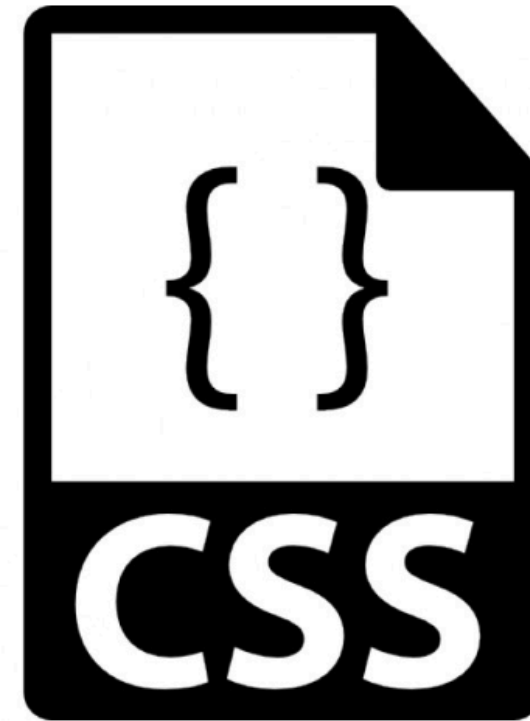


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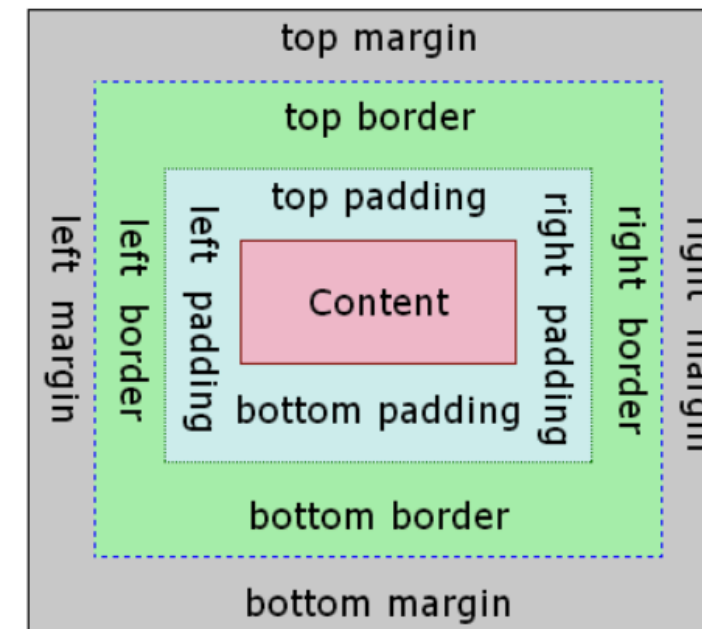
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## 03: The Box Model



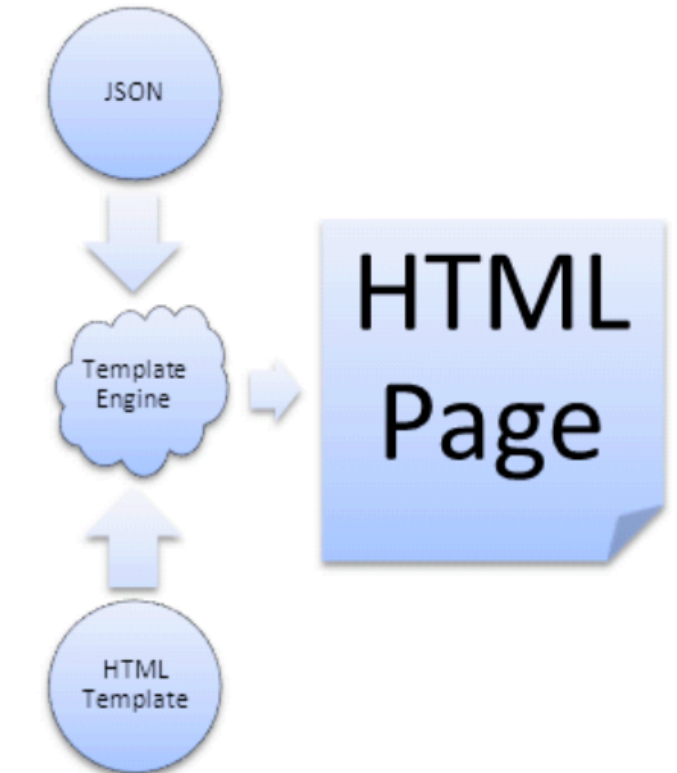
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dom · layout · float · left · right

## 04: Navigation, Semantics & Style Guides



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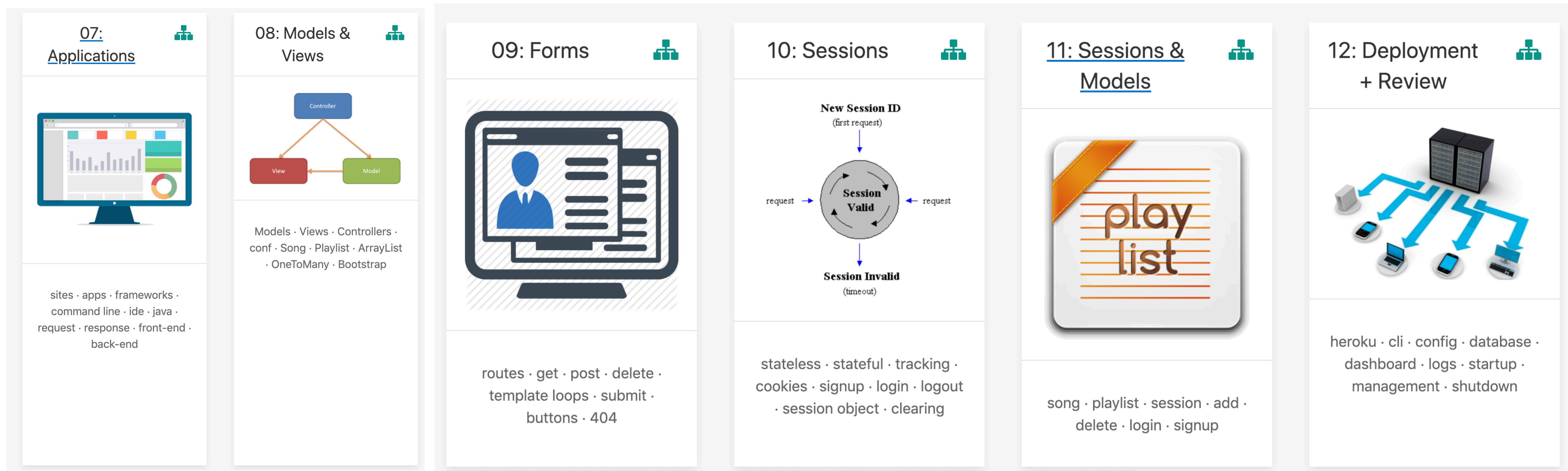
## 05: HTML Templates & Deployment



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

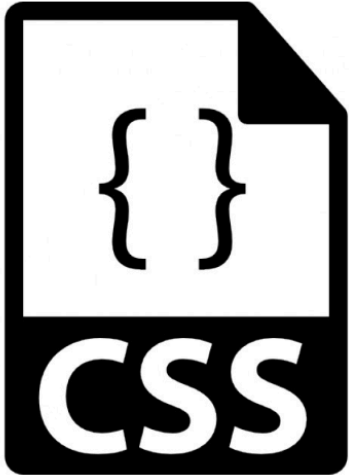
Allocated 60% of overall module grade

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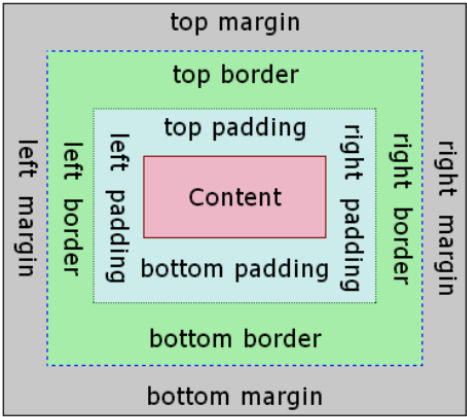
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03: The Box Model



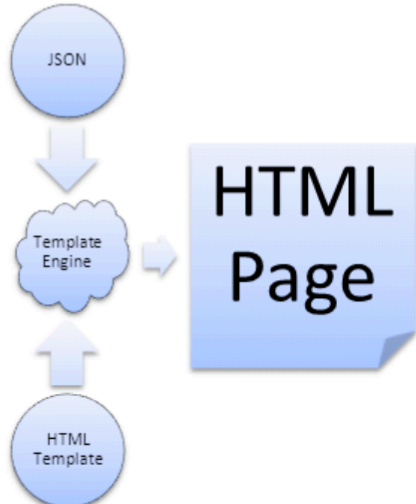
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04: Navigation, Semantics & Style Guides



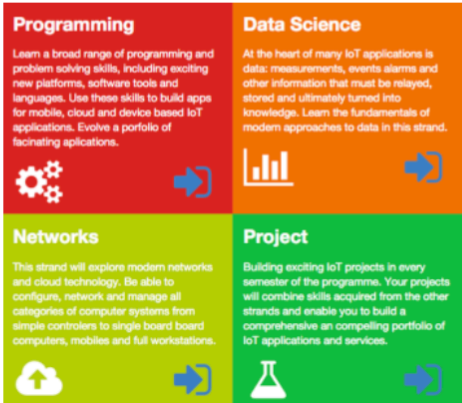
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05: HTML Templates & Deployment




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06: CSS Frameworks



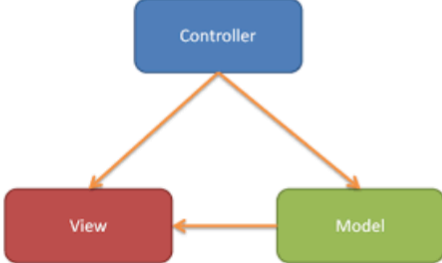
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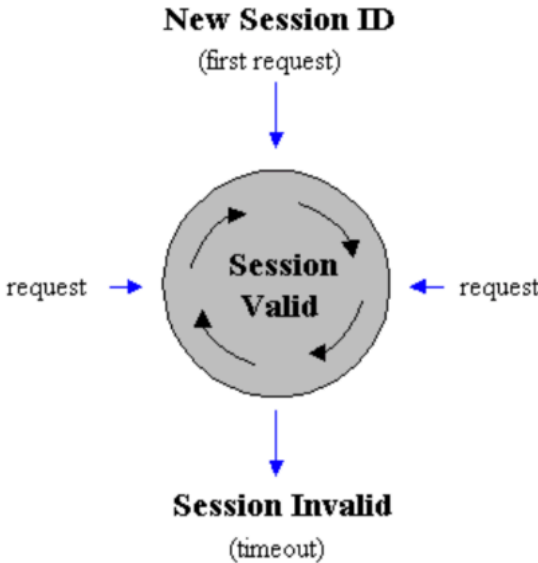
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