

Web Development 1

Module Overview

Web Development



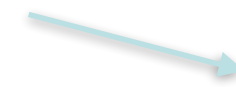
html · css · layout · web
apps · web frameworks ·
deployment

Timetable + Schedule

Module Overview

Assignment Sequencing

Webinar



Web Development
Webinar
12:15-2:00



Lab support
throughout
the week

Assessment Schedule

	Week	6
January	Induction	13
	0	20
	1	27
	2	3
February	3	10
	reading-week	17
	5	24
	6	3
March	6	10
	reading-week	17
	7	24
	8	31
April	9	7
	Reading week	14
	Reading week (Easter)	21
	10	28
May	11	5
	12	12
	reading-week	19
	reading-week	26

Joint Assignment

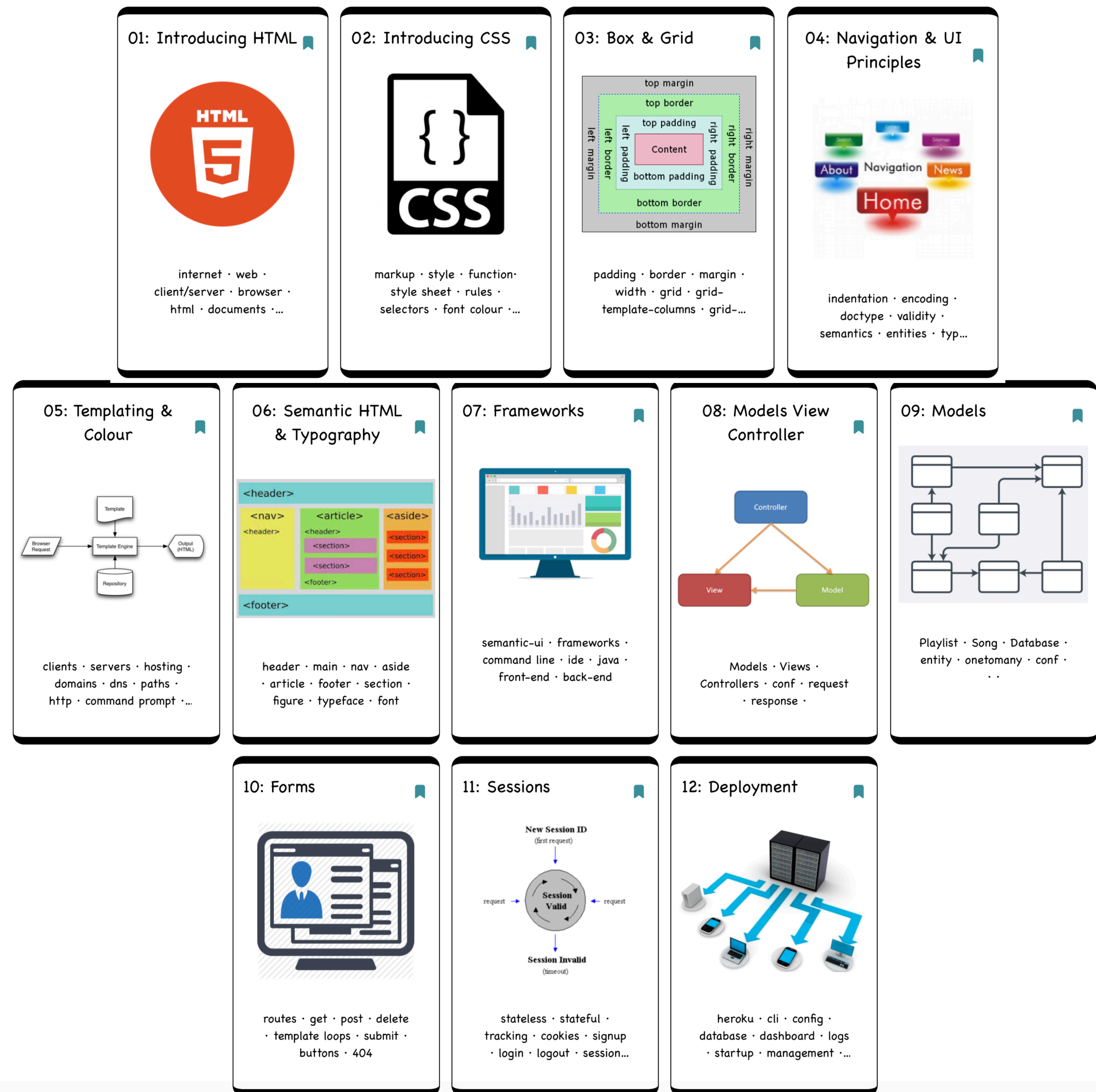
Web Development

Assignments



12 Topics – one topic per week

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



01: Introducing HTML



internet · web ·
client/server · browser ·
html · documents ·...

02: Introducing CSS

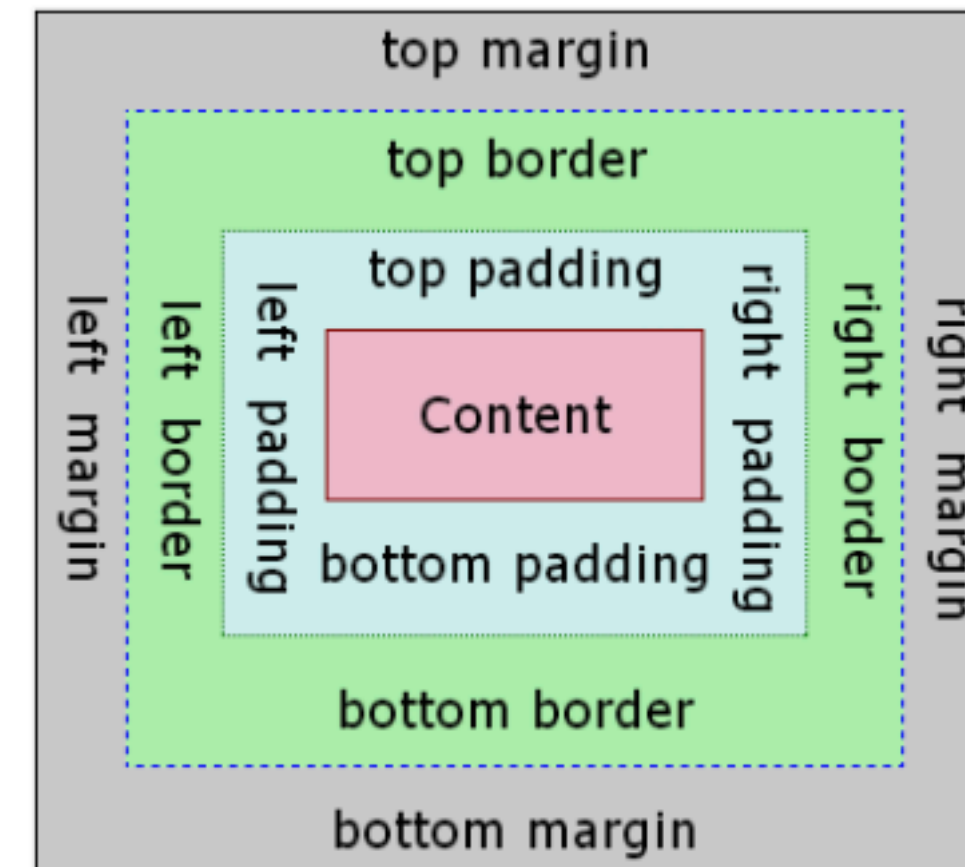


markup · style · function ·
style sheet · rules ·
selectors · font colour ·...

Core HTML + CSS

Laying out pages with CSS Structuring a Navigation Metaphor

03: Box & Grid



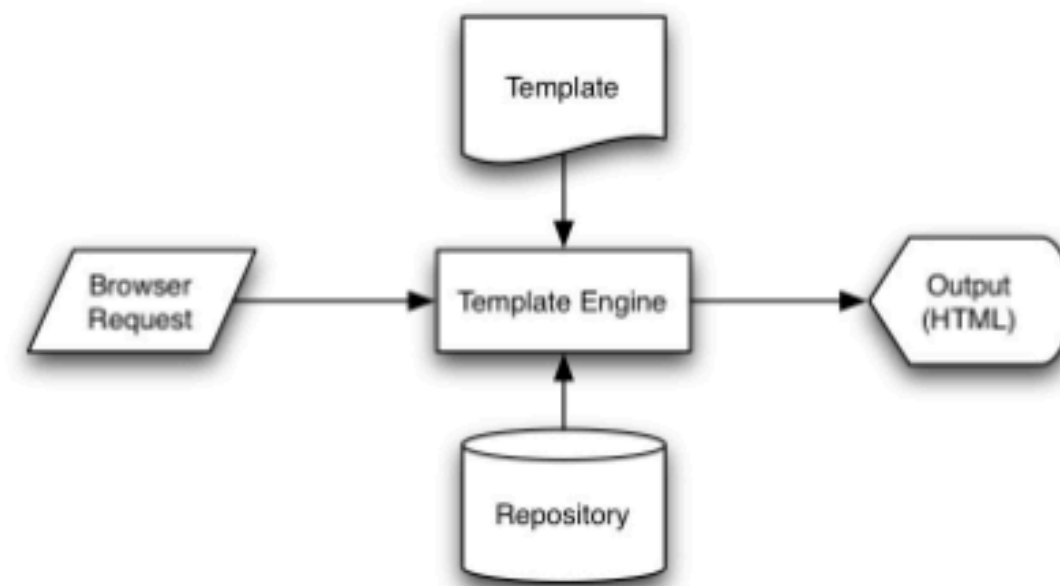
padding · border · margin ·
width · grid · grid-
template-columns · grid-...

04: Navigation & UI Principles



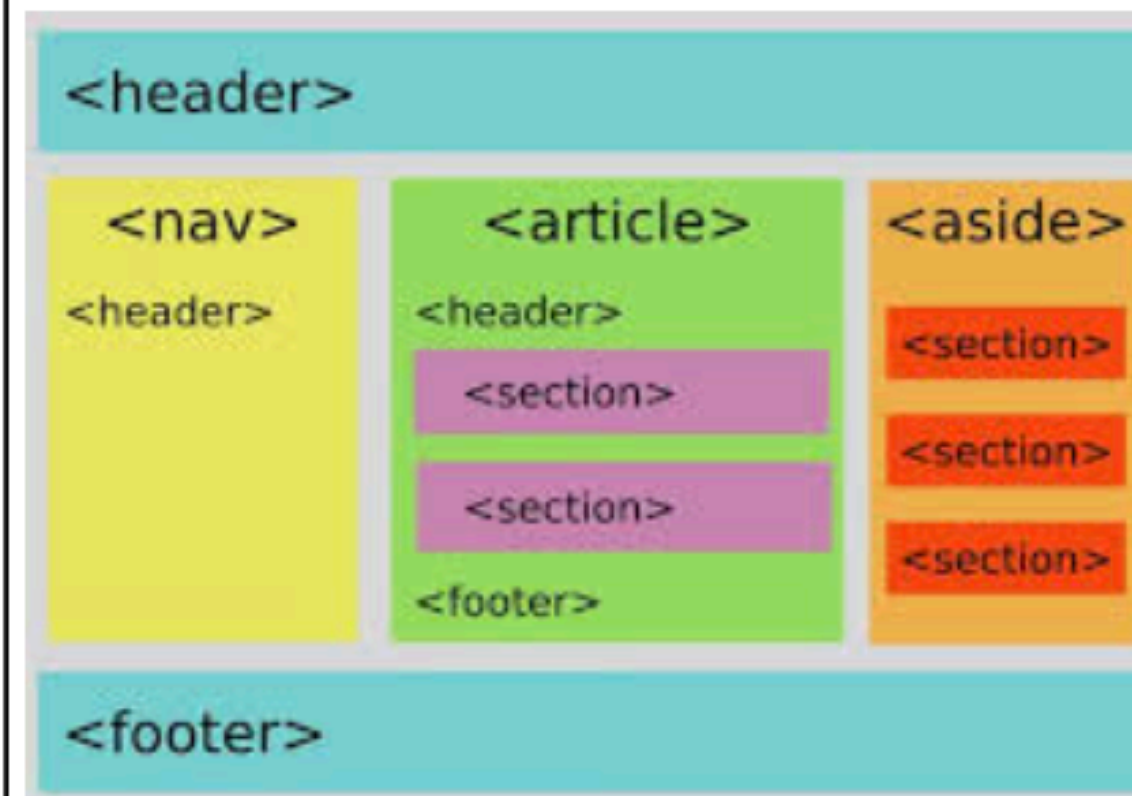
indentation · encoding ·
doctype · validity ·
semantics · entities · typ...

05: Templating & Colour



clients · servers · hosting ·
domains · dns · paths ·
http · command prompt ·...

06: Semantic HTML & Typography



header · main · nav · aside
· article · footer · section ·
figure · typeface · font

Modularising
a web site

Exploring UX -
Colour &
Typography

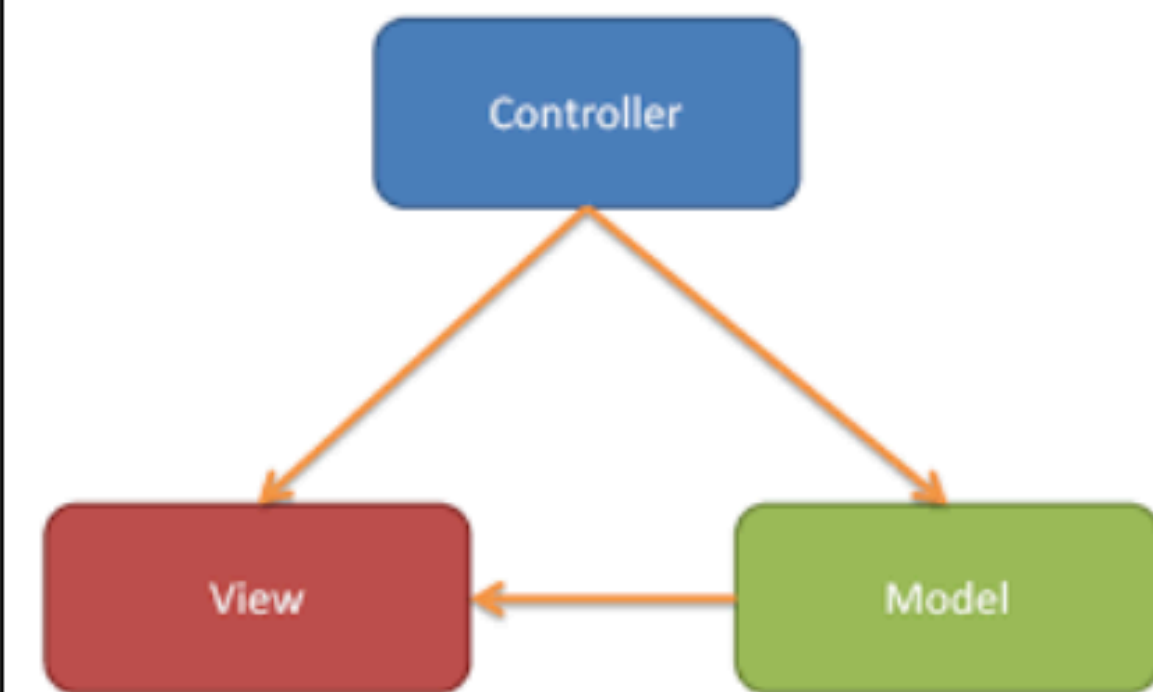
From Web Sites to Web Applications

07: Frameworks

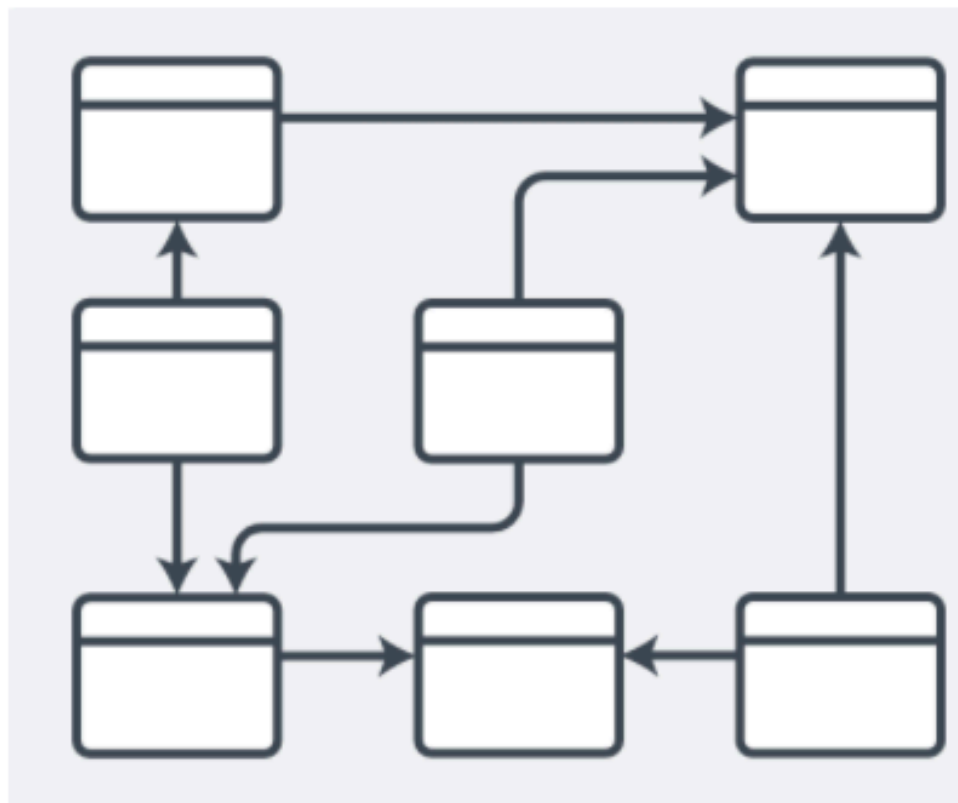


semantic-ui · frameworks ·
command line · ide · java ·
front-end · back-end

08: Models View Controller



Models · Views ·
Controllers · conf · request
· response ·



• •



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

Representing Information in Web Applications

Tracking Users & Moving to the Cloud

11: Sessions



stateless · stateful ·
tracking · cookies · signup
· login · logout · session...

12: Deployment



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

01: Introducing HTML



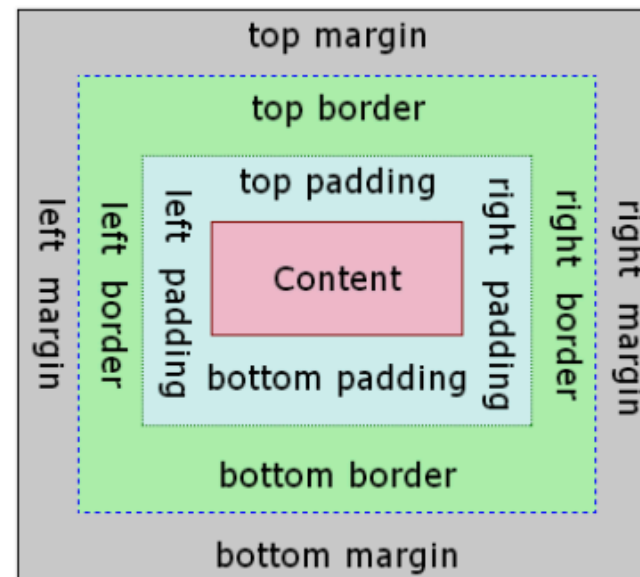
internet · web ·
client/server · browser ·
html · documents ·...

02: Introducing CSS



markup · style · function ·
style sheet · rules ·
selectors · font colour ·...

03: Box & Grid



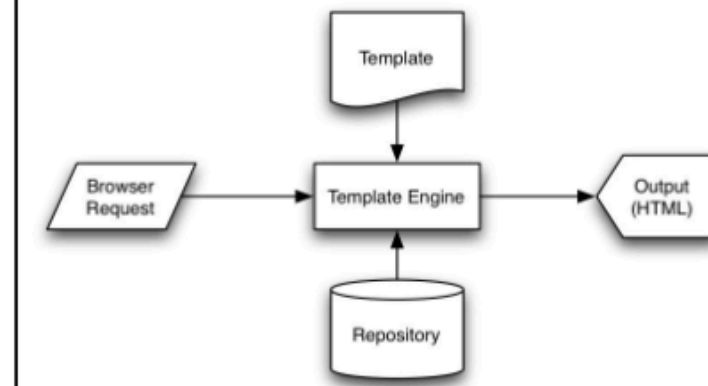
padding · border · margin ·
width · grid · grid-
template-columns · grid-...

04: Navigation & UI Principles



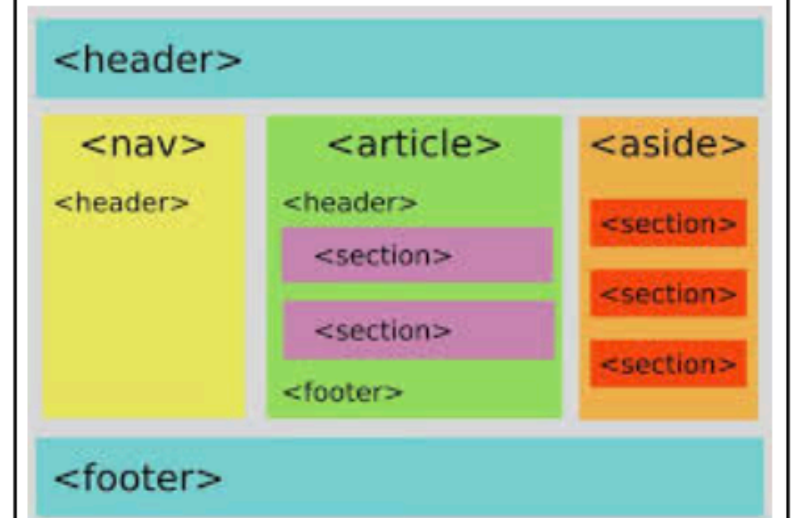
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semantics · entities · typ...

05: Templating & Colour



clients · servers · hosting ·
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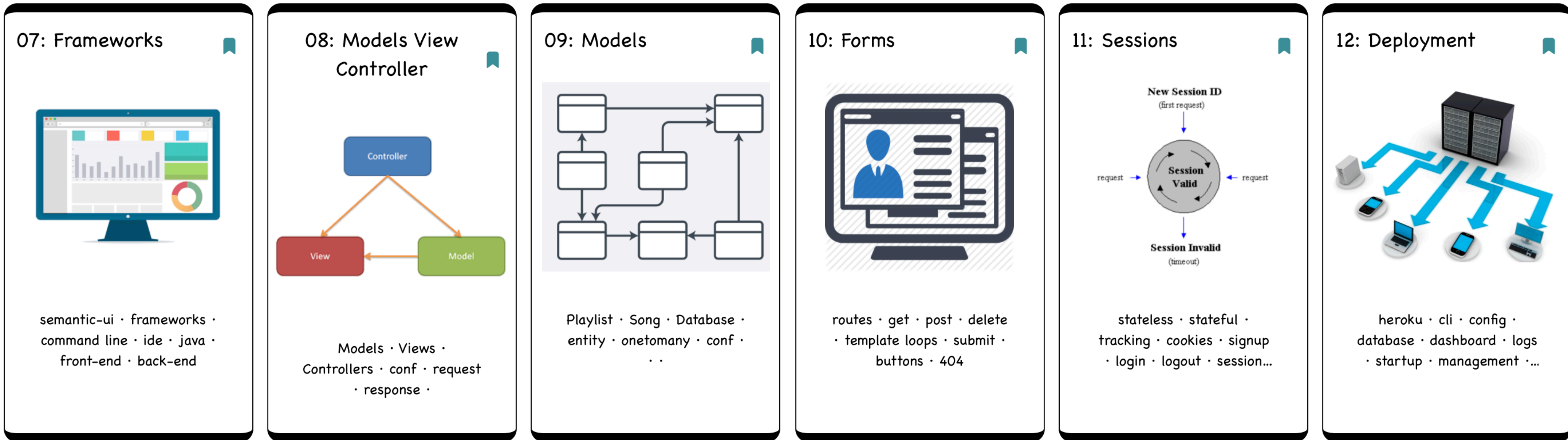
06: Semantic HTML & Typography



header · main · nav · aside
· article · footer · section ·
figure · typeface · font

Assignment 1 based on skills acquired in topics 1-6

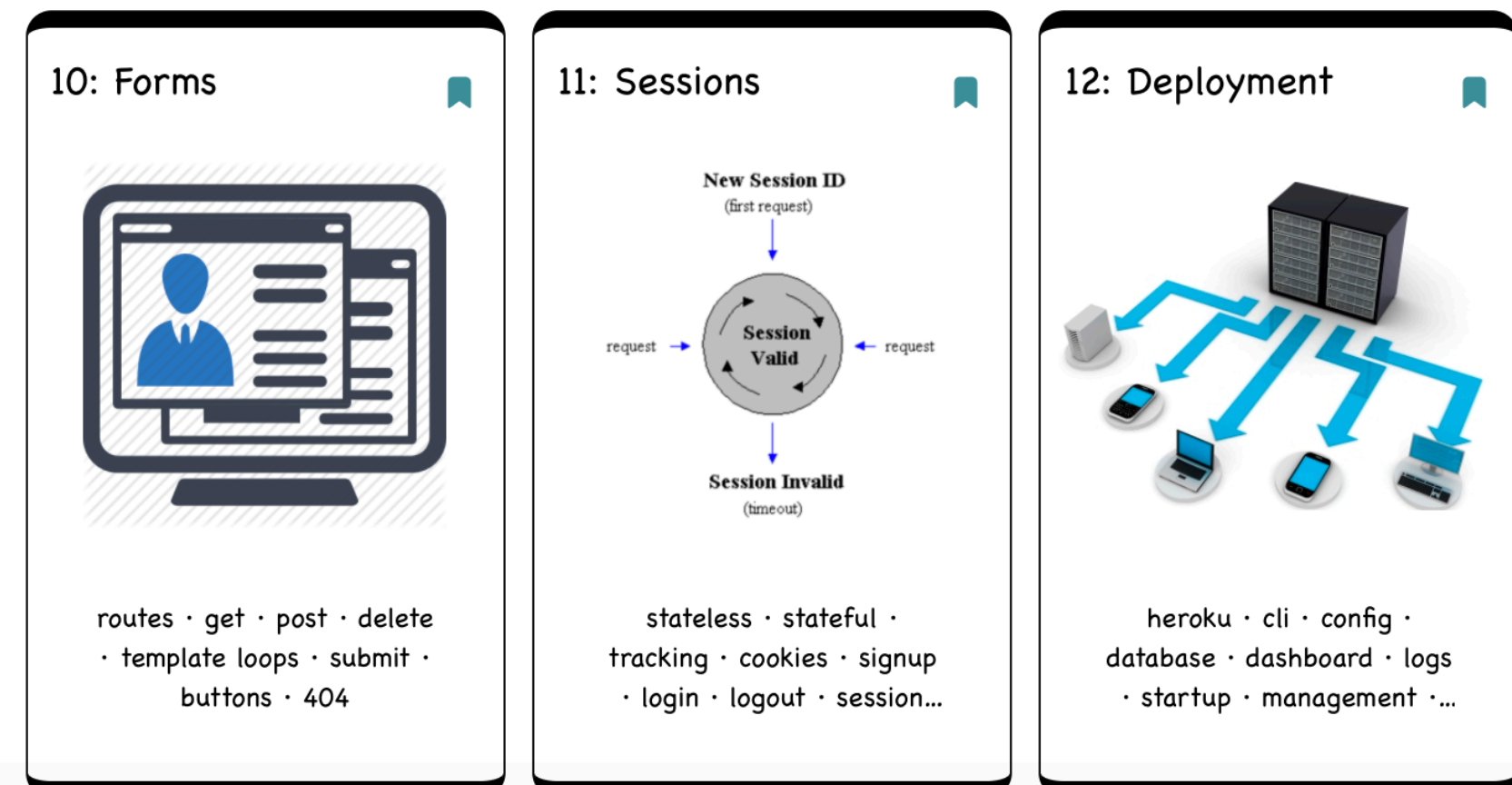
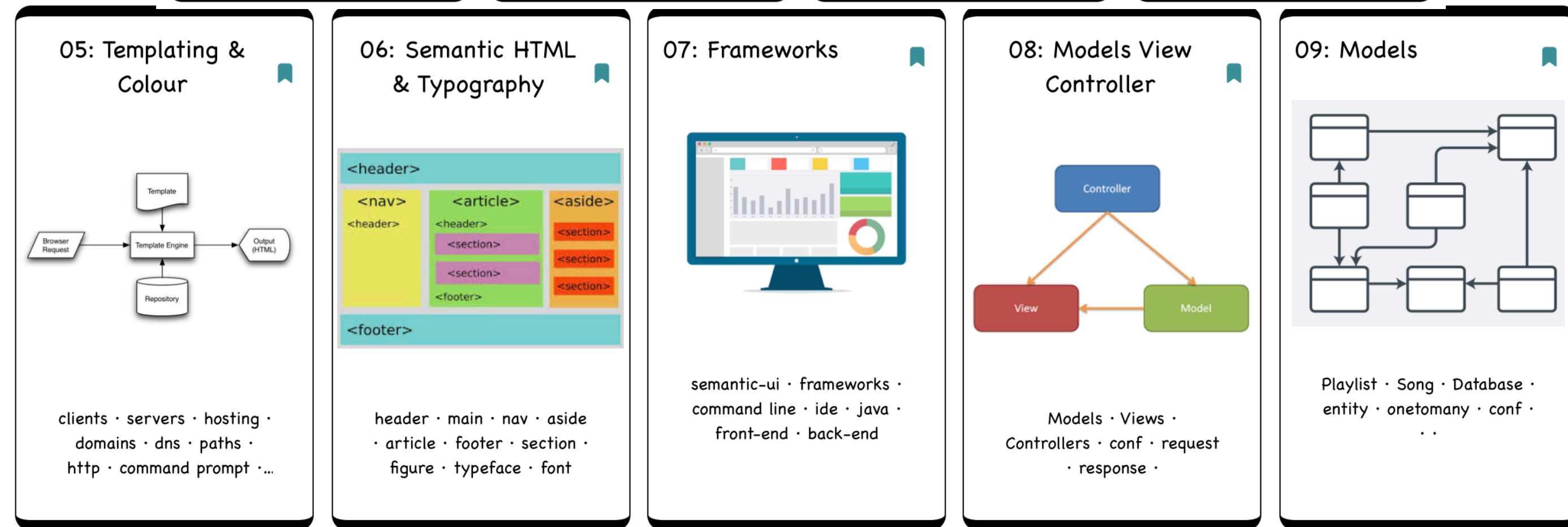
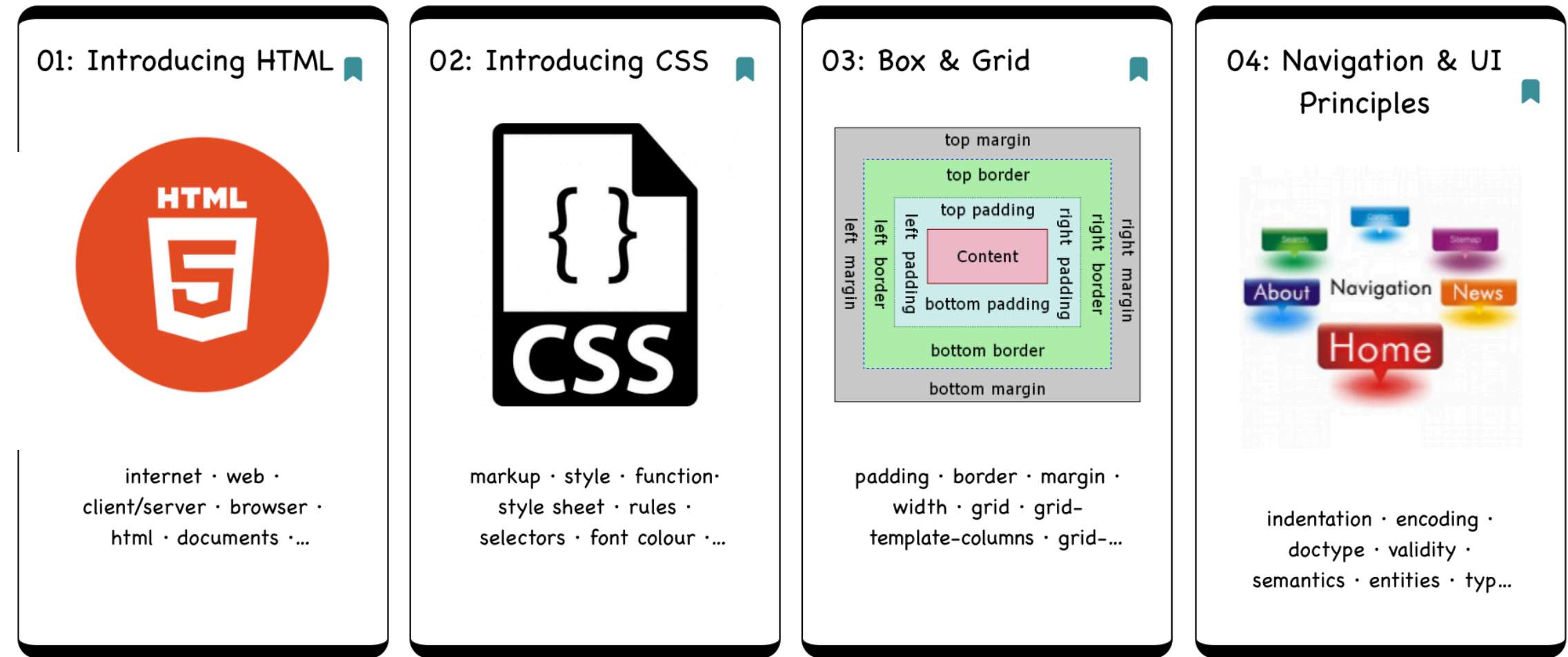
Allocated 40% of overall module grade



Assignment 2 based on skills acquired in topics 7-12

Allocated 60% of overall module grade

Assignments



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