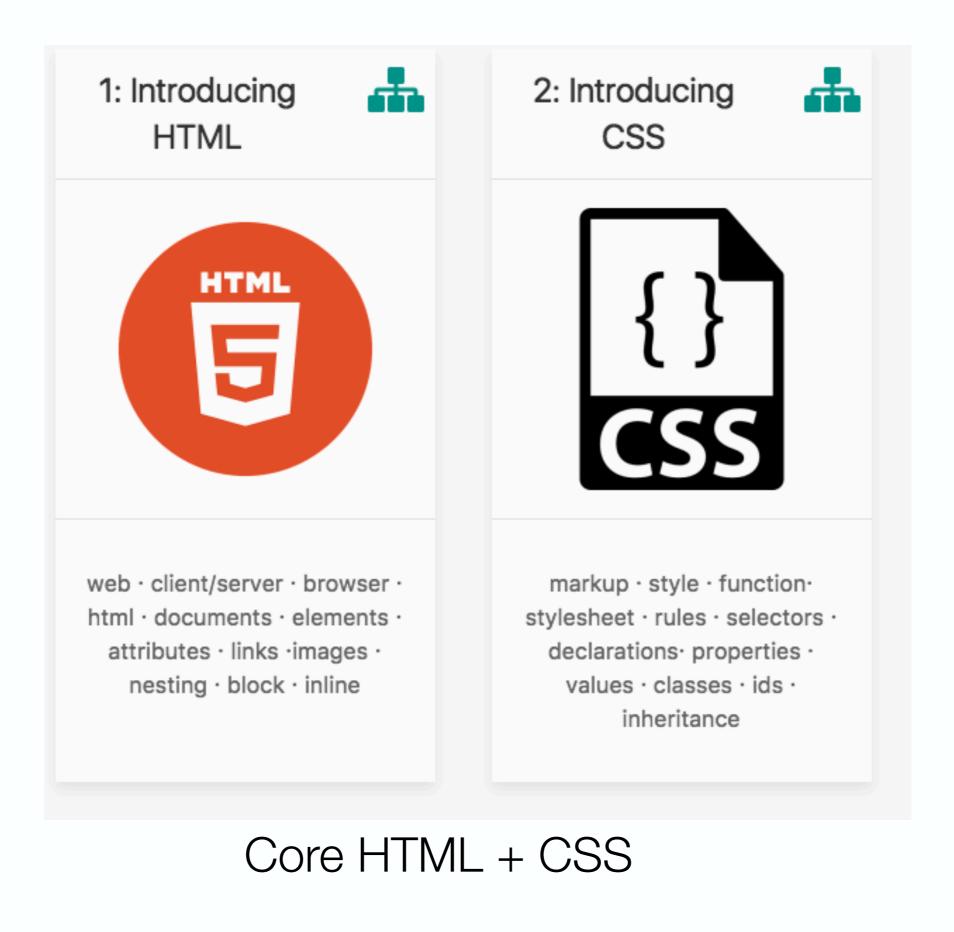


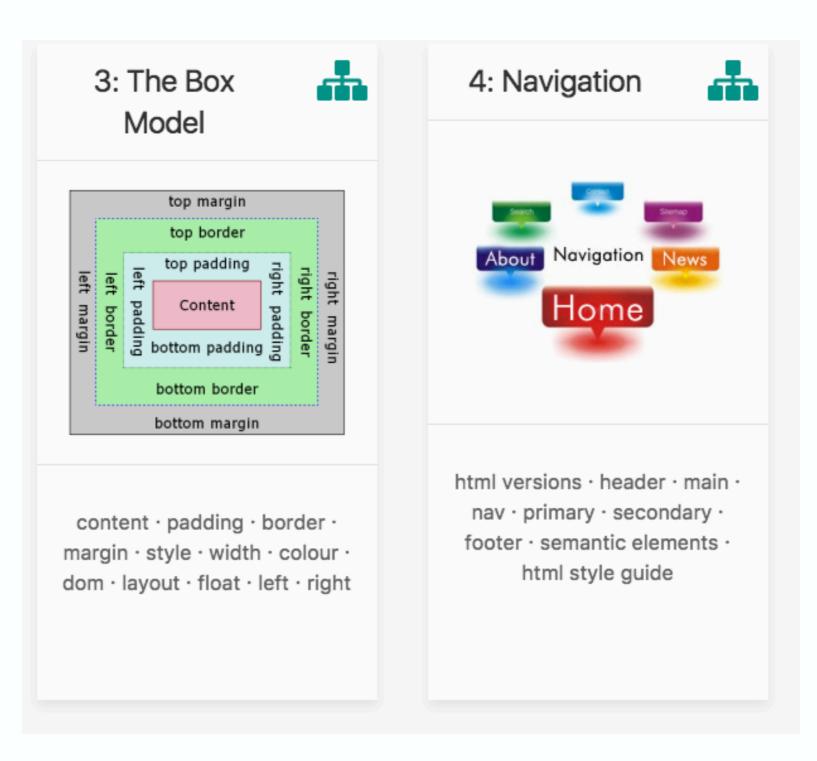
# Web Development Module Review

12 Topics – one topic per week

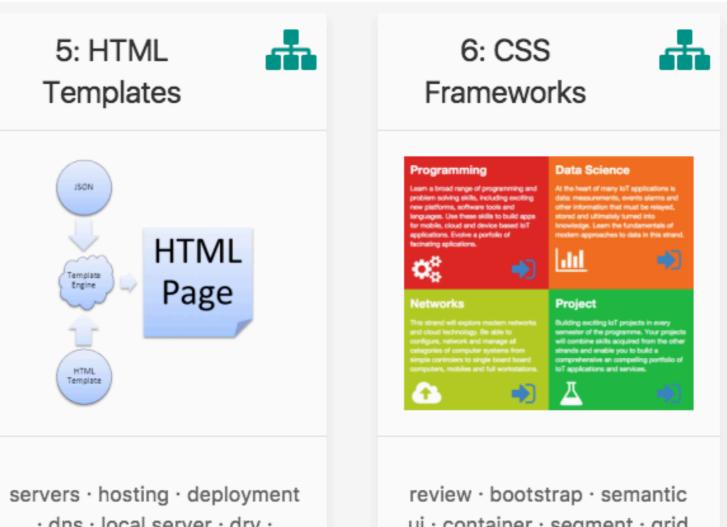
Each Topic builds on concepts, tools and techniques from previous weeks.







Laying out pages with CSS Structuring a Navigation Metaphor

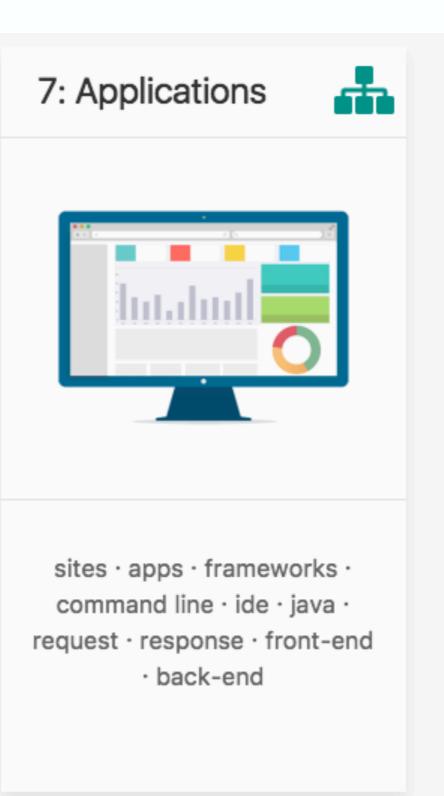


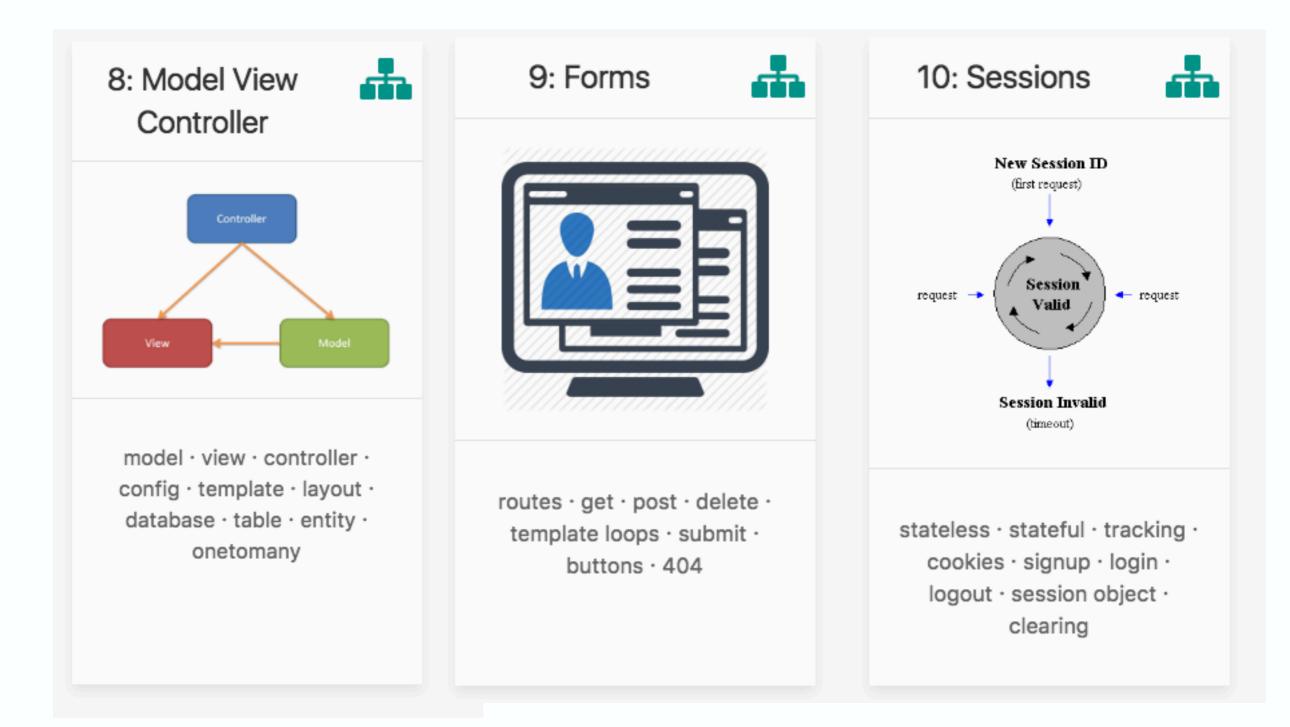
ui · container · segment · grid · stackable · tables · icons · images · row · col

· dns · local server · dry · template engine · ejs · partials · layouts

Modularising a web site Professional Styling with CSS Libraries

## From Web Sites to Web Applications

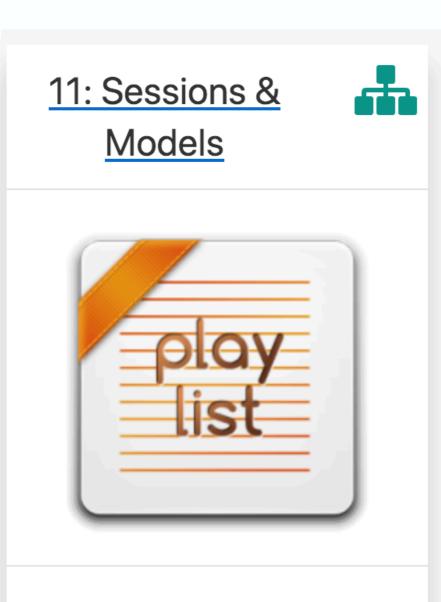




Fundamentals of Web Application Development

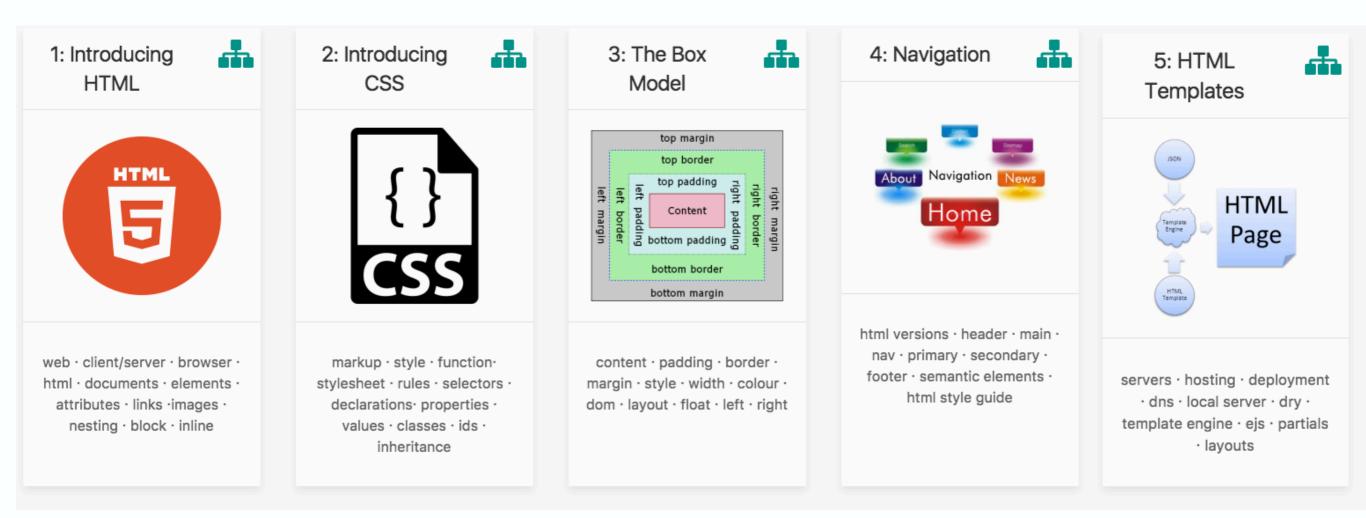


heroku · cli · config · database · dashboard · logs · startup · management · shutdown



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

Moving an Application to the Cloud



Assignment 1 based on skills acquired in topics 1-5

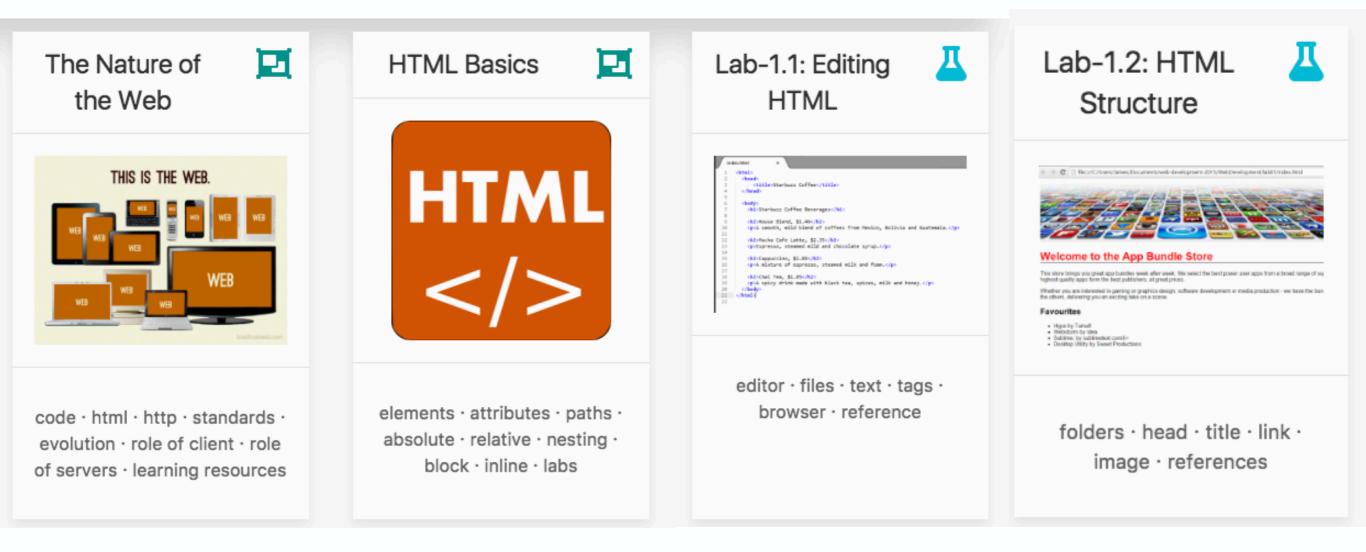
Allocated 40% of overall module grade



Assignment 2 based on skills acquired in topics 6-12

Allocated 60% of overall module grade

1: Introducing HTML	2: Introducing CSS	3: The Box Model	4: Navigation		
HTML	{	top margin top border right margin left margin bottom padding bottom border bottom margin	About Navigation News		
web · client/server · browser · html · documents · elements · attributes · links ·images · nesting · block · inline	markup · style · function· stylesheet · rules · selectors · declarations· properties · values · classes · ids · inheritance	content · padding · border · margin · style · width · colour · dom · layout · float · left · right	html versions · header · main · nav · primary · secondary · footer · semantic elements · html style guide		
5: HTML	6: CSS	7: Applications	8: Model View		
HTML Page	<section-header><section-header><section-header><text><text><text><image/><image/><image/><image/><text><text></text></text></text></text></text></section-header></section-header></section-header>		Controller View Midel		
servers · hosting · deployment · dns · local server · dry · template engine · ejs · partials · layouts	review · bootstrap · semantic ui · container · segment · grid · stackable · tables · icons · images · row · col	sites · apps · frameworks · command line · ide · java · request · response · front-end · back-end	model · view · controller · config · template · layout · database · table · entity · onetomany		
9: Forms	10: Sessions	11: Sessions & Models	12: Deployment		
	New Session ID (first request) request Valid Valid request Session Invalid (firmeout)	play list	heroku · cli · config · database		
routes · get · post · delete · template loops · submit · buttons · 404	stateless · stateful · tracking · cookies · signup · login · logout · session object · clearing	song · playlist · session · add · delete · login · signup	• dashboard • logs • startup • management • shutdown		

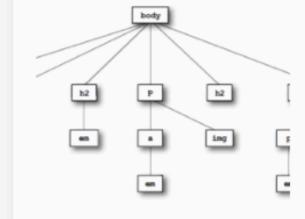


### Topic 01

### Introducing HTML

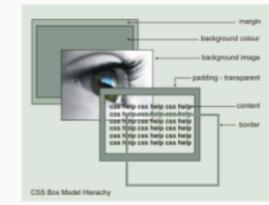
### **CSS** Cascade





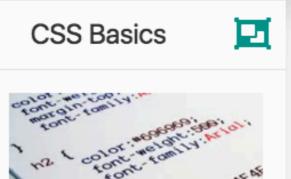
rules · class · elements · explicit · inheritance · default · most specific · order

D



**CSS Rules** 

combining rules · combining selectors · class · id · div



13

markup · presentation · style

· rules · selectors ·

declarations · properties ·

values

Font

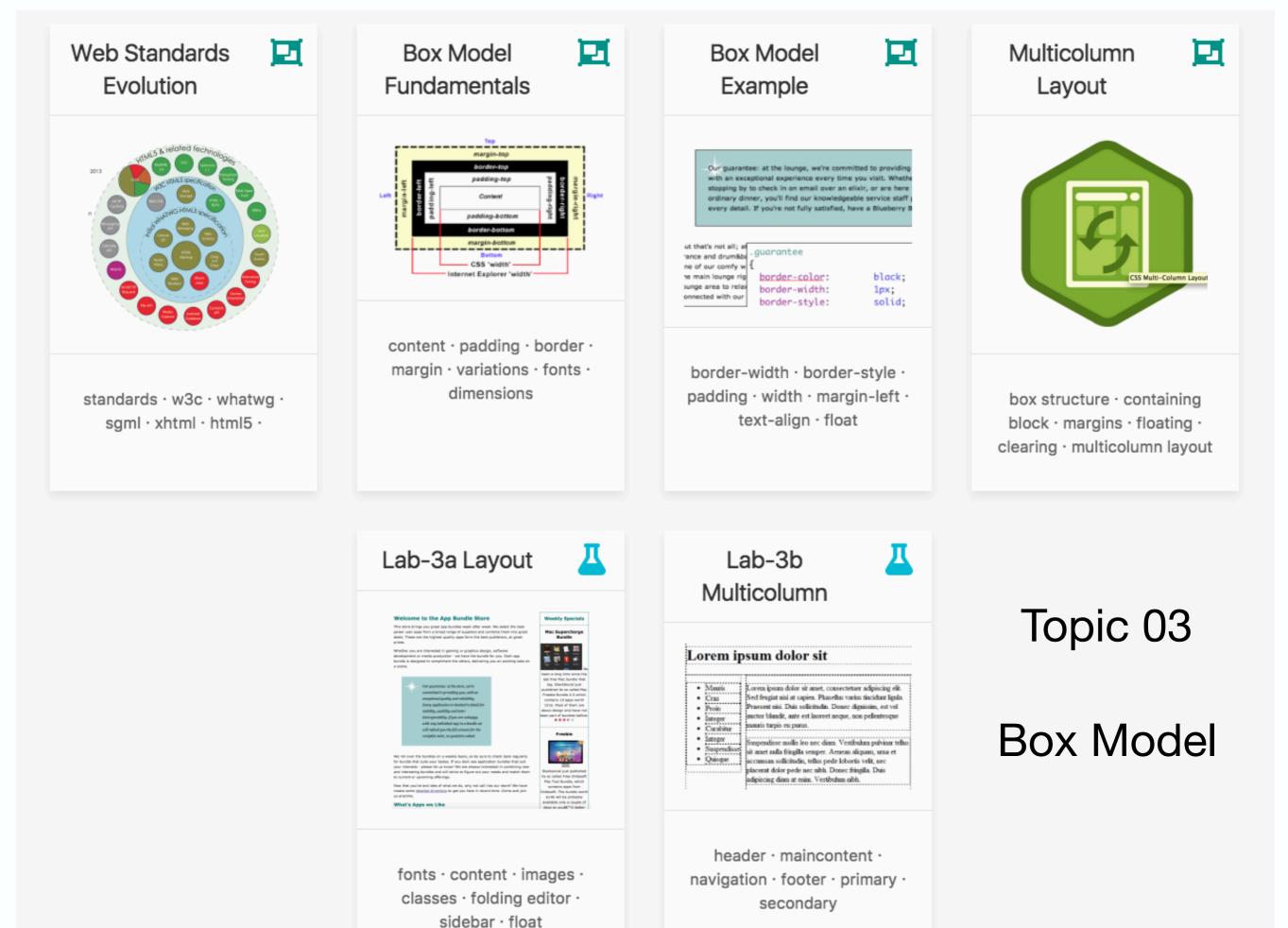
HTML Elements structural elements · head elements · text elements · list elements · image elements · shared attributes

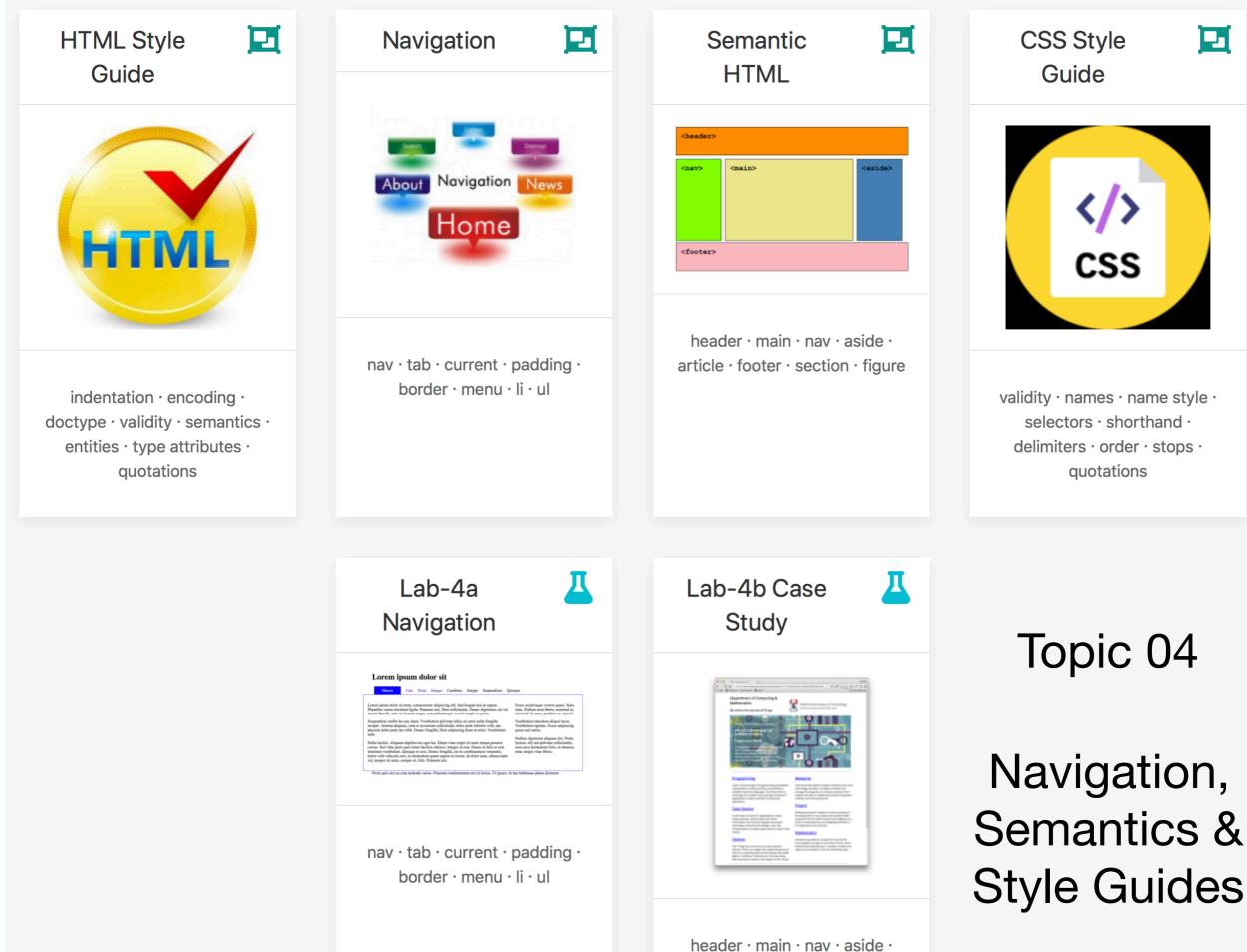


inheritance · classes · fonts · colours · indentation · best practices

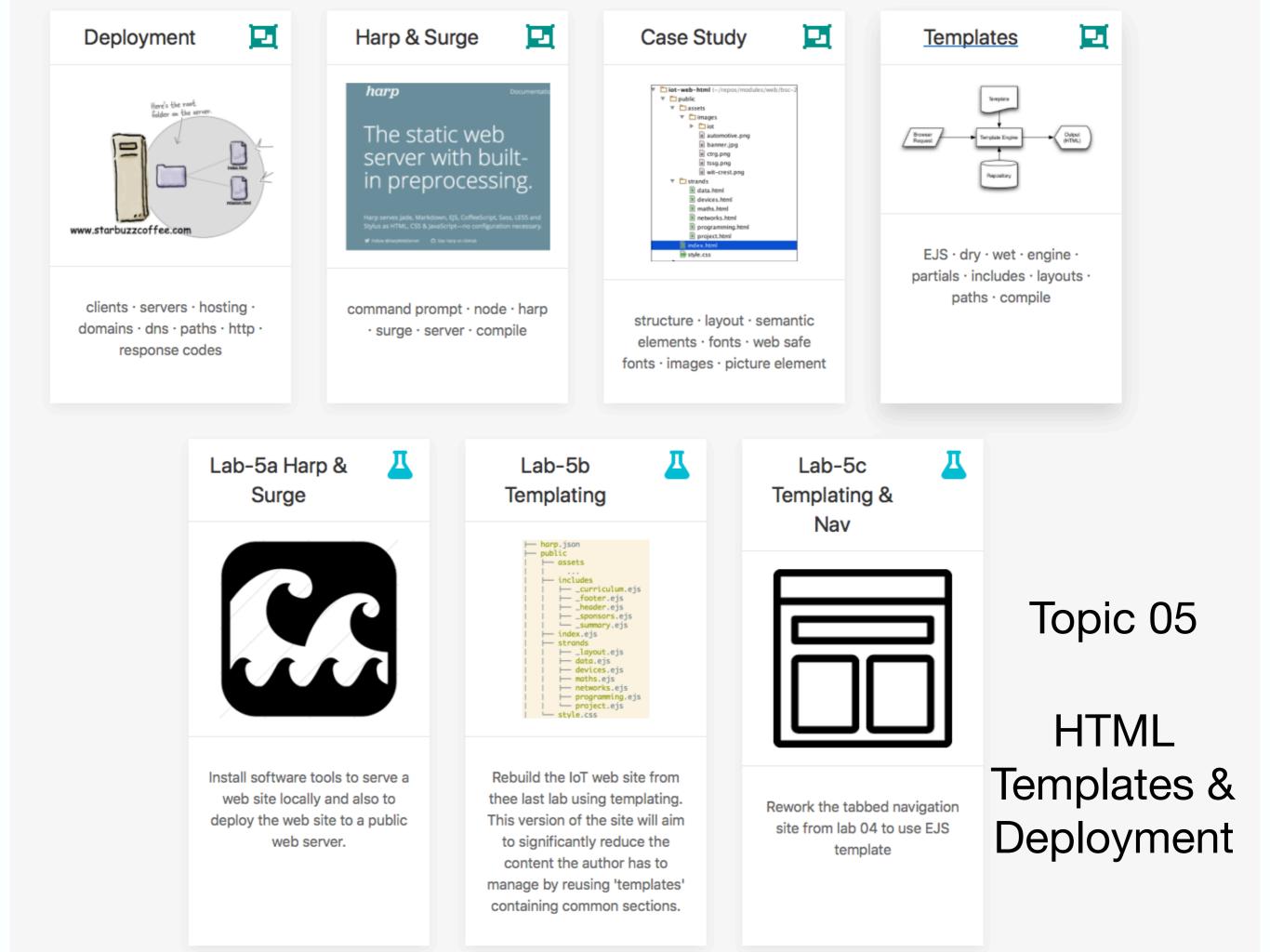
### Topic 02

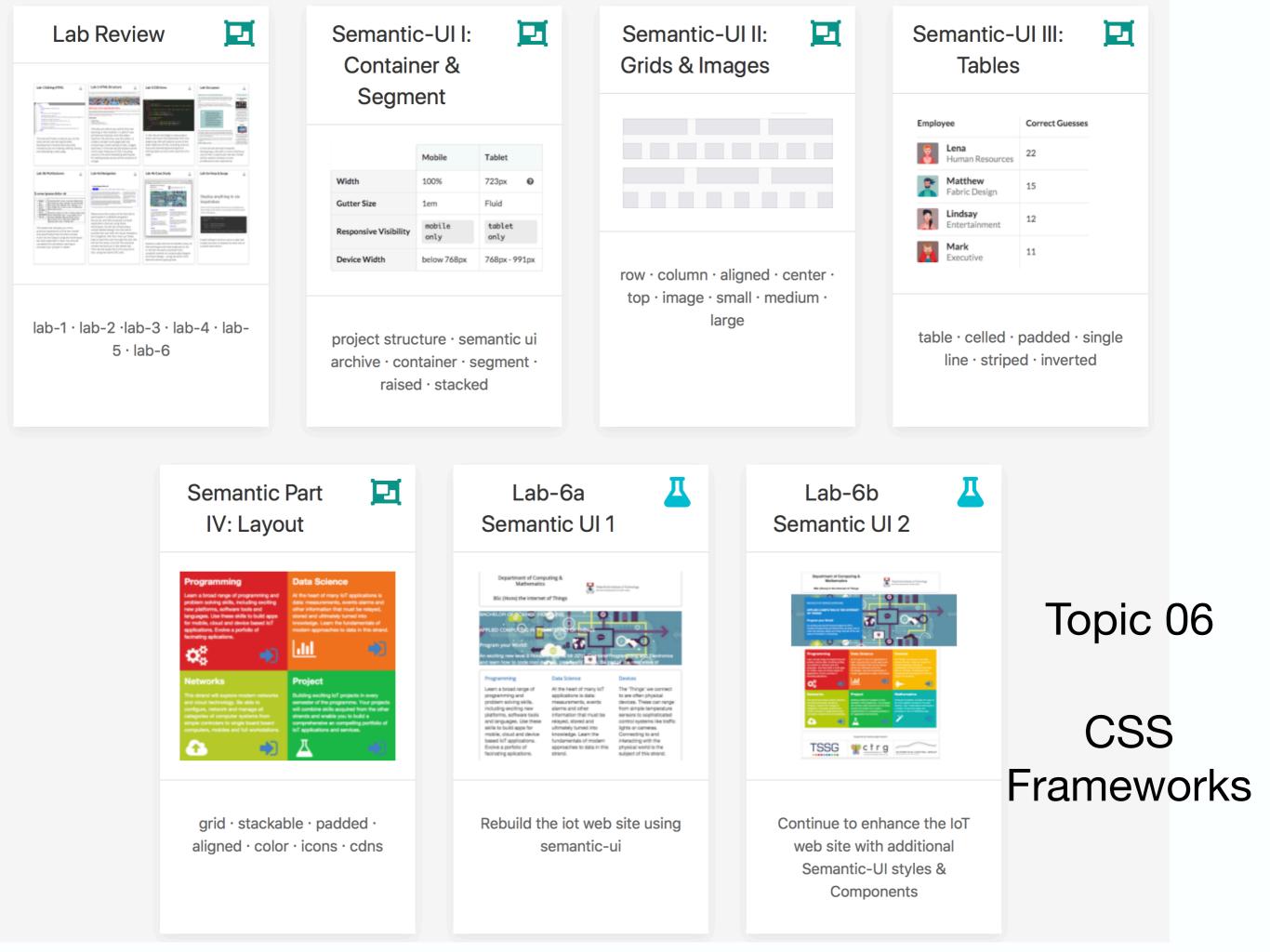
## Introducing CSS

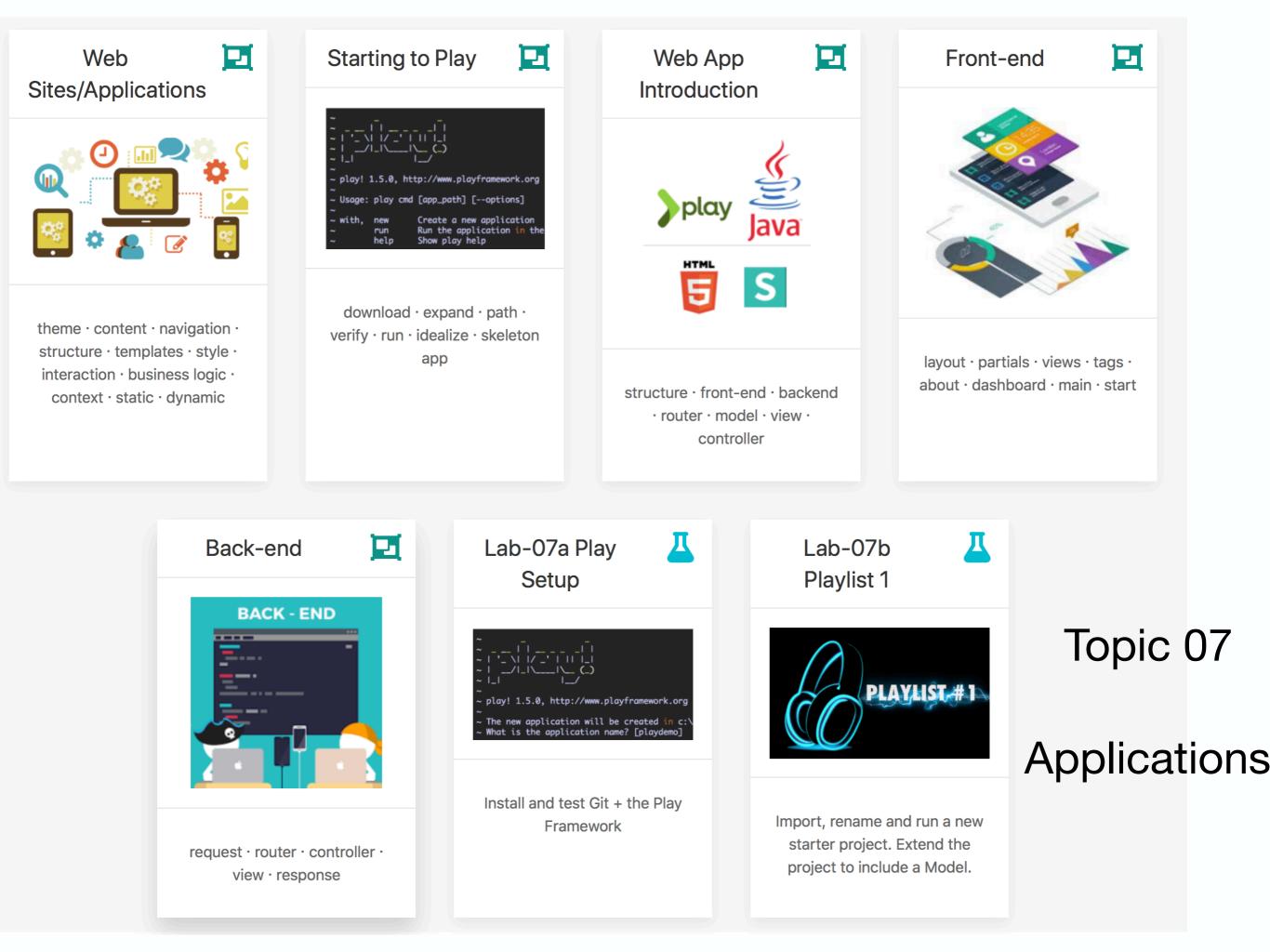




article  $\cdot$  footer  $\cdot$  section  $\cdot$  figure





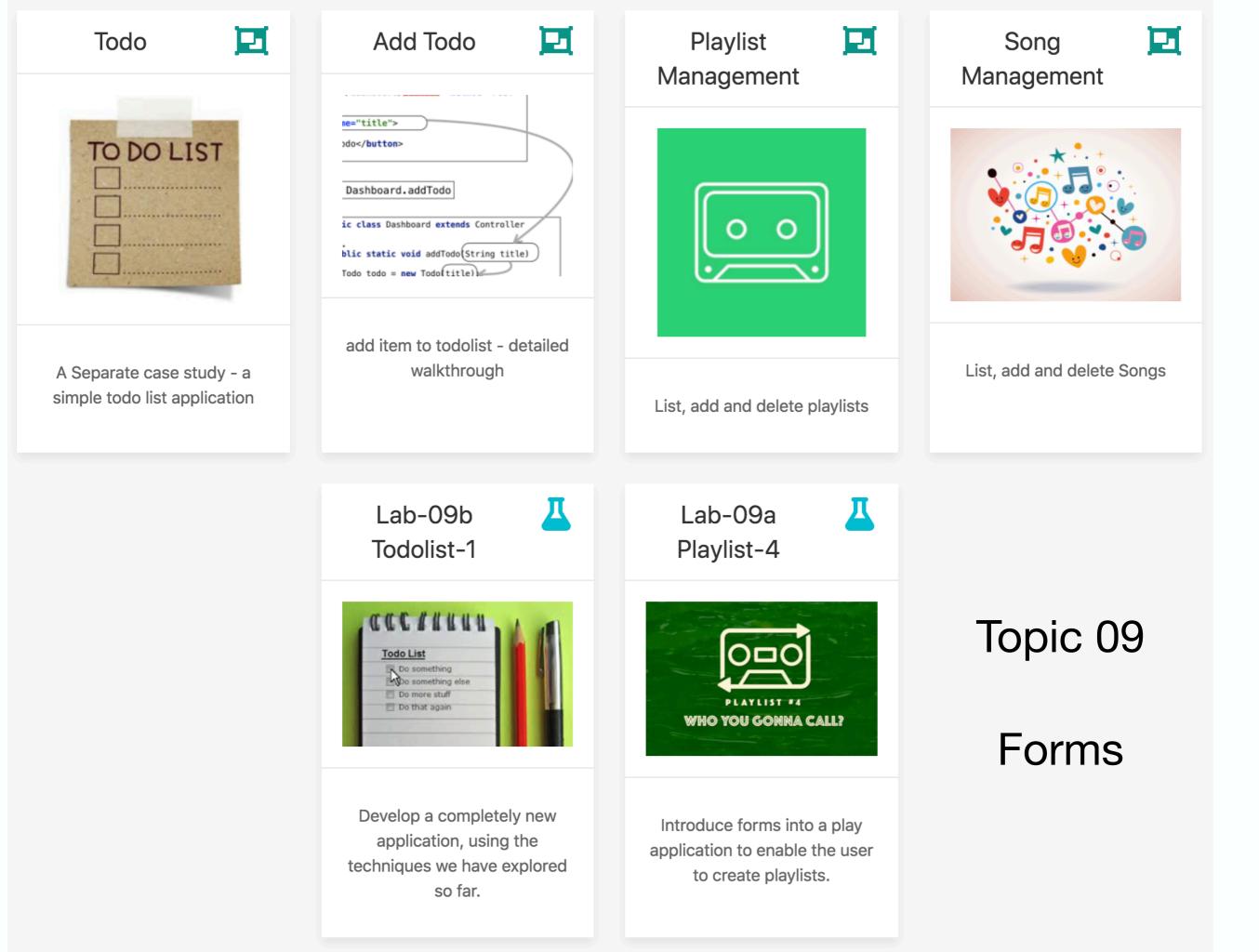


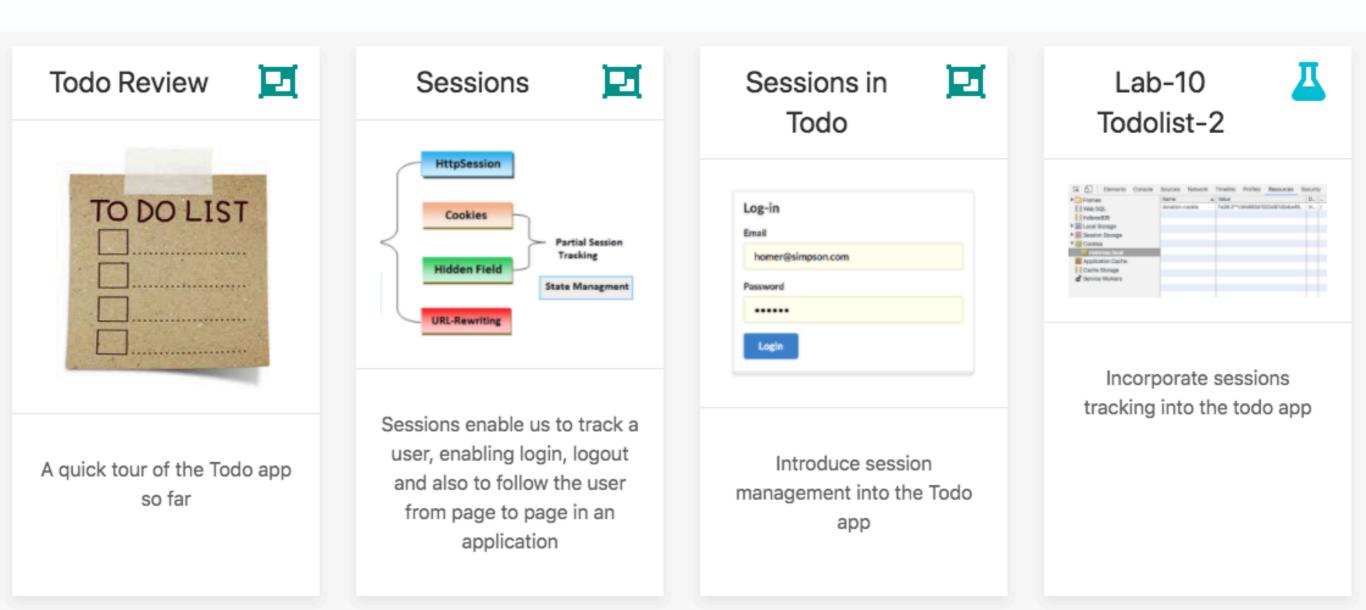
### Л D D Lab-08a Model View Views Models Playlist-2 Controller **Beethoven Sonatas** SELECT \* FROM SONG Song Artist ID ARTIST DURATION TITLE Plano Sonata No. 3 Piano Sonata No. 3 Beethoven 0 Piano Sonata No. 7 Beethoven 0 Plano Sonata No. 7 Piano Sonata No. 10 Beethoven 0 View Plano Sonata No. 10 PLAYLIST #2 Piano Concerto No. 27 Beethoven 0 Beethoven 0 Piano Concertos No. 17 Beethoven Concertos 6 Beethoven 0 Piano Concerto No. 10 Song (6 rows, 6 ms) Plane Concerto No. 1 Edit Plane Concerto No. 12 Beethoven Plane Concerto No. 23 Controller Model Manipula table · row · mem · yaml · Song {#extends /} · {#set /}· {#list /}· $\cdot \, \text{Playlist} \cdot \text{ArrayList} \cdot \\$ /#list /} · {#menu /}· OneToMany · {#listsongs /} **OnApplicationStart** request · router · controller · Move the playlist model into the view · response database. Prime the database from a YAML file. Л Lab-08b

Lab-08b Playlist-3

Move the playlists into their own view. Introduce routes for opening the playlist and also deleting individual songs. Topic 08

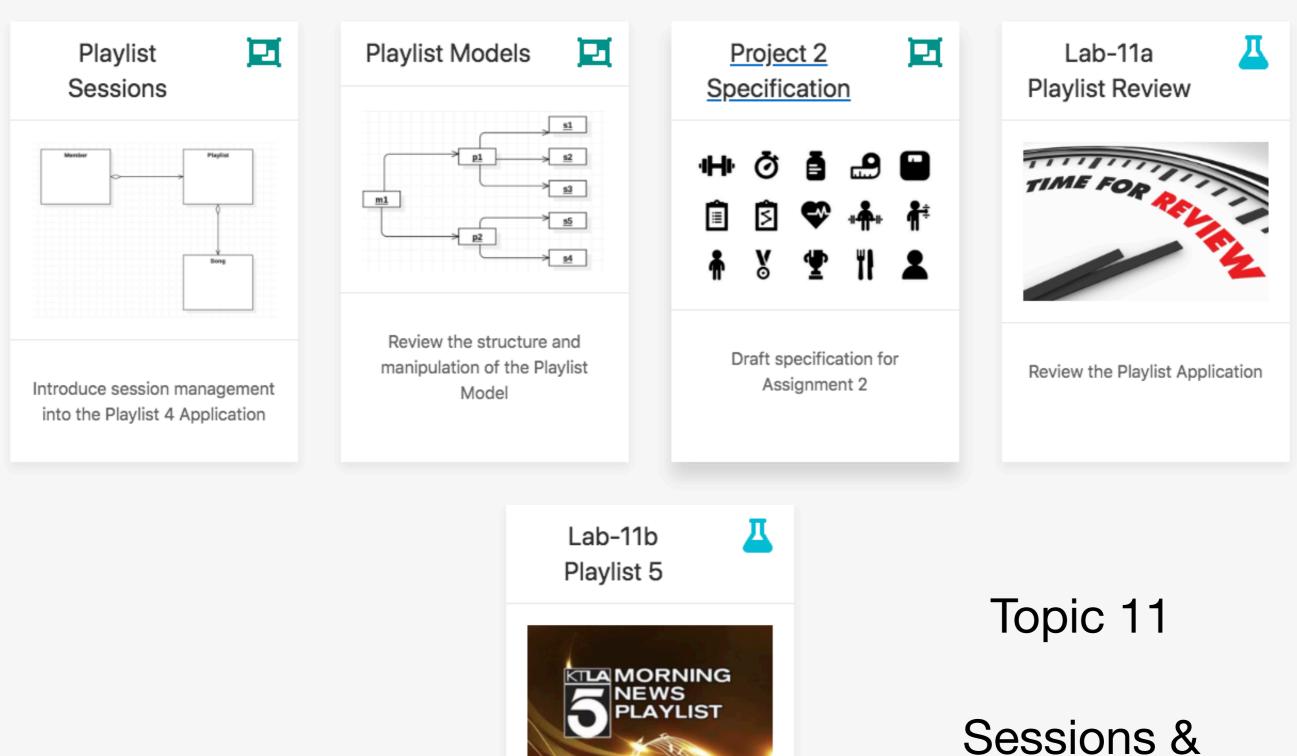
Models & Views





Topic 10

Sessions



Models

Incorporate Sessions into the latest Playlist Application

ICT Skills Studio + Nex Onsite	xt	Deployment		Skills Roadn		Play Referenc Cheat Sl	es +		
		2.Staging 3.Deployment		Front-end Bock-end A peek into the development knowledge and	future of web nt - roles,	#{include 'tree.html'/} Includes fragment - pag #{script id:'myscript', s	ors not set#{/get} n page and master templates e context is shared srcc'script.js', charset'utf-8' /} media:'print', srcc'print.css' /}		
Schedule and stru Skills Studio + det Onsite	tails on June	Moving a Play web a from localhost to t			technologies		videos + Cheat heet		
	Lab-12a Deploy		Lab-12b ( Setup	Git	Lab-12c G Usage		Тој	oic 12	
		trut		Commune	E com Second	E control e control		Deployment Review	
	Deploy a Play Application	Source		e git GUI	Rebuild Todolist - this time committing to git version control as the app is composed using Sourcetree				

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