JavaScript Learning Roadmap (Basics and Intermediate)

Week 1: JavaScript B	Basics					
- Topics:						
- Introduction to Ja	vaScript					
- Syntax, Variables	, Data Types					
- Operators (Arithm	netic, Compari	son, Logical	, Assignmer	nt)		
- Conditionals (if, e	lse, switch)					
- Loops (for, while,	dowhile)					
- Project: Create a sir	nple number g	guessing gar	ne.			
- Resources:						
	-	MDN	Web	Docs:	JavaScript	Guide
(https://developer.mo	zilla.org/en-US	S/docs/Web/	JavaScript/0	Guide)		
- JavaScript Basics	on FreeCode	Camp (https	s://www.free	codecamp.or	g/learn/)	
Week 2: Functions ar	nd Arravs					
- Topics:						
- Functions (declar	ations, expres	sions, arrow	functions)			
- Scope and Closu		,	,			
- Arrays (creating,		looping thro	ugh arravs)			
- Project: Build a simp	-	-	J , ,			
- Resources:	·	•				
			_	JavaS	Script	Functions
(https://developer.mo	zilla.org/en-US	S/docs/Weh/	JavaScript/0		·	
- JavaScript Arrays						Arravs)
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Week 3: Objects and DOM Manipulation

- Objects (creation, method	ls, this keywo	ord)				
- DOM Manipulation (query	Selector, ev	ent listeners)				
- Creating interactive web p	pages (form v	validation, butto	n clicks)			
- Project: Build a simple calcu	ılator that tak	es user input a	nd performs arithr	netic operation	ons.	
- Resources:						
		-	JavaS	JavaScript		
(https://developer.mozilla.org/	/en-US/docs/	/Web/JavaScrip	t/Guide/Working_	with_Objects	s)	
	-	DOM	Manipulation	on	MDN	
(https://developer.mozilla.org/	/en-US/docs/	/Web/API/Docu	ment_object_mod	lel)		
Week 4: Intermediate JavaSc	ript (ES6+ F	eatures)				
- Topics:						
- ES6+ Syntax (let/const, te	emplate litera	als, destructurin	g)			
- Spread and Rest operato	rs					
- Classes and Inheritance						
- Modules (import/export)						
- Project: Create a weather ap	op using an e	external API.				
- Resources:						
	-	ES6	Features	on	MDN	
(https://developer.mozilla.org/	/en-US/docs/	/Web/JavaScrip	t/Reference/State	ments/let)		
	-	JavaScript	Classes	and	Inheritance	
(https://developer.mozilla.org/	/en-US/docs/	/Web/JavaScrip	t/Reference/Class	ses)		
Week 5: Asynchronous Javas	Script					
- Topics:						
- Callbacks						

- Topics:

- Fetch API (ma	aking network ı	equests)					
- Project: Build a	movie search	app using the	e OMD	B API th	at fetches m	novie de	tails and displays
them.							
- Resources:							
		-		Promise	s a	and	async/await
(https://developer	.mozilla.org/en	-US/docs/Web	o/JavaS	cript/Ref	erence/State	ements/a	sync_function)
- Using the Fet	ch API (https://	developer.mo	zilla.org	/en-US/d	locs/Web/AF	PI/Fetch_	_API)
Week 6: Final Pro	ojects & Practio	е					
- Topics:							
- Review every	thing learned						
- Refactor code	e and improve p	oroject structu	re				
- Debugging ar	nd best practice	es					
- Projects:							
- Final Project	(Choose betwe	en these optic	ons):				
- A quiz app	that fetches ra	ndom questio	ns from	an API.			
- A task man	ager with the a	bility to add/e	dit/dele	te tasks a	and store the	m in loc	al storage.
- Resources:							
-	JavaScript	Algorithms	and	Data	Structures	on	FreeCodeCamp
(https://www.freed	codecamp.org/	earn/)					
		-		JavaScı	ript	Best	Practices
(https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/JavaScript_best_practices)							

- Promises and async/await