


Tech Terms

 This	That	 What's the Difference
SQL	NoSQL	SQL = structured tables, NoSQL = flexible JSON docs
Git	GitHub	Git = version control, GitHub = Git in the cloud
API	SDK	API = rules to talk, SDK = tools to build using API
Frontend	Backend	Frontend = UI, Backend = logic + database
Framework	Library	Framework calls your code, you call a library
GET	POST	GET = read data, POST = send new data
Java	JavaScript	Java = backend language, JS = browser scripting
React	Angular	React = flexible, Angular = opinionated
REST API	GraphQL	REST = multiple requests, GraphQL = 1 request for everything
HTTP	HTTPS	HTTPS = HTTP + encryption (secure)

null	undefined	null = intentional empty, undefined = not assigned
npm	Yarn	npm = default, Yarn = faster + cache
LocalStorage	SessionStorage	Local = persists, Session = gone after tab closes
Synchronous	Asynchronous	Sync = one-by-one, Async = can wait + continue
Class	Object	Class = blueprint, Object = instance of that blueprint
Thread	Process	Thread = lightweight task, Process = full program
let	var	let = block scope, var = function scope
PUT	PATCH	PUT = replace, PATCH = update
HTML	XML	HTML = web pages, XML = structured data
SQLAlchemy	Hibernate	SQLAlchemy = Python ORM, Hibernate = Java ORM
Float	Double	Float = 32-bit, Double = 64-bit precision
Stack	Queue	Stack = LIFO, Queue =

		FIFO
DOM	Virtual DOM	DOM = actual page structure, Virtual DOM = optimized in-memory representation
Authentication	Authorization	AuthN = who you are, AuthZ = what you can access
Docker	VM	Docker = lightweight containers, VM = full OS virtualization
404	500	404 = not found, 500 = server error
Frontend Dev	UI/UX Designer	Frontend = code, UI/UX = design & experience
==	===	== = loose equality, === = strict equality
Margin	Padding	Margin = outside space, Padding = inside space
Promise	Callback	Promise = modern async handling, Callback = older async method
Tailwind	Bootstrap	Tailwind = utility-first, Bootstrap = component-based
CI	CD	CI = test + integrate

		code, CD = deploy to users
404	403	404 = not found, 403 = forbidden