SHA	RDS: Se	mantic Clustering	
Shards are		orping values that )	
	removies tryoth		
Shards wil	l need a sta	adardized shand spec	
Things like	name, timestanp,	confidence (used for RAG	)
🧠 What's the 🛙	Difference Betweer	Embeddings and Shards?	
Shards are named o	r coordinates in semantic spa r meaningful clusters derived	from those coordinates.	
Embeddings = tl	hedata Embeddi	ngs are raw coordinates	
Each memory has o	ne	<sup>u</sup> coordinates	
Represents that me	mory's <b>semantic position</b> in h	igh-dimensional space	
🧩 Shards = interp	reted structure		
	ory entries based on closenes	s in embedding space (and optionally time,	
tags, emotion, etc.) <ul> <li>They turn spatial pa</li> </ul>	tterns into semantic threads	Shards are	
Think of it like:		Leighworhood names	
	star in the sky has X/Y/Z	J	
	ns you draw from how those s	tars cluster together	
Embeddings Co	ant capture: time-b	ased context, emotional fags, relat t, which persone whos acture	tional
Suggested Si			
Here's a proposed shard t			
Shard Type	What It Represents	How It's Generated	
Semantic Shard	Cluster of conceptually similar memories	Embedding clustering (e.g., UMAP + HDBSCAN)	
Temporal Shard	Burst of activity over time	Time window + tag co-occurrence	
Emotional Thread	Shared emotional tags / tone	Tags or emotion classifier	
Conversational Shard	Memories from the same chat or session	Conversation ID / dialogue ID	
Persona Shard	Related to a specific Prism/Humor config	Prism ID or persona state at time of memory	
Event-Based Shard	User-labeled shard (e.g., "Breakup Week")	User-defined + auto-backfilled by time range	
	entry links to multiple shard objects, like:		
json "shards": (		⊘ Copy b Edit	
	shard_4521",		
"name":	"semantic", "career_direction_conflict",		
**contid }, {			
"type":	shard_7822", "temporal",		
( "id": "	shard_9014",		
"name":	<pre>"emotional", "burnout_loop", ence": 0.92</pre>		
) (contid			
Each shard is			
memory IDs.	stored in a separate shards collection, with its r	netadata, generation source, and linked	