

# ChatGPT Conversation

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**User:**

**You said:**

I have a system design interview coming up in the next 1 of week. Can you help me put a study plan in tabular format?

**ChatGPT:**

ChatGPT said:

Absolutely! Here's a **7-day system design interview study plan** in a **tabular format** to help you prep efficiently. It's focused, beginner-friendly if you're newer, but also goes deep enough for tough interviews like at Google, Amazon, or Meta.

## System Design Interview 7-Day Study Plan

Day	Topics	Key Concepts	Practice / Resources
Day 1	System Design Basics	<ul style="list-style-type: none"><li>- Functional vs non-functional requirements</li><li>- High-level architecture</li><li>- Latency vs throughput</li><li>- Scalability &amp; availability</li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Grokking System Design</a></li><li>- YouTube: Gaurav Sen / Tech Dummies</li><li>- Design a URL shortener</li></ul>
Day 2	Networking & Load Balancing	<ul style="list-style-type: none"><li>- DNS</li><li>- HTTP vs WebSocket</li><li>- Load balancers (L4</li></ul>	<ul style="list-style-type: none"><li>- Design a web server</li><li>- Design a CDN</li></ul>

Day	Topics	Key Concepts	Practice / Resources
		vs L7) - CDN	
Day 3	<b>Data Storage</b>	- SQL vs NoSQL - Sharding, replication - CAP Theorem - Caching (Redis, Memcached)	- Design Instagram - Practice: Caching strategies
Day 4	<b>Scaling &amp; Reliability</b>	- Horizontal scaling - Consistent hashing - Rate limiting - Retry mechanisms - Circuit breakers	- Design Twitter feed - Use <a href="https://systemdesign.one">systemdesign.one</a> to simulate questions
Day 5	<b>Asynchronous Processing</b>	- Message queues (Kafka, RabbitMQ) - Pub/Sub - Eventual consistency - CRON jobs / Batch processing	- Design Email system - Design ride-matching (Uber/Lyft)
Day 6	<b>End-to-End System Design Practice</b>	- Requirement gathering - Tradeoffs - API sketching - Component diagrams - Data flow	- Do 1-2 mock designs: → Design Netflix → Design WhatsApp
Day 7	<b>Mock Interview &amp; Review</b>	- Do 1-2 full mock interviews with peer or AI - Review your diagrams, common patterns - Refine your "talk-through" clarity	- Use Excalidraw for diagramming - Practice explaining your designs in 10-15 minutes

### ⚡ Tips

- **Draw diagrams** while thinking aloud.
- Use **tradeoffs** language: CAP, latency vs throughput, cost vs performance.
- Have **go-to templates** (e.g., load balancer → app server → DB → cache).

Want me to generate a printable version or Notion-style layout too?

User:

You said:

Give me sample sample questions and answers for Amazon Leadership Principle style questions

ChatGPT:

ChatGPT said:

Sure! Below is a table with **sample Amazon Leadership Principles**, paired with **STAR-style behavioral questions** and **example answers**. This format is ideal for interview prep and gives you a structure you can reuse.

### ✅ Amazon Leadership Principles – Sample Questions & Answers (STAR Format)

Leader ship Principle	Sample Question	STAR Answer (Summary)
<b>Customer Obsession</b>	<i>Tell me about a time you went above and beyond for a customer.</i>	<b>S:</b> At my previous SaaS company, a customer faced recurring API timeout issues that support couldn't resolve. <b>T:</b> I volunteered to shadow the customer's setup and debug. <b>A:</b> Found a retry loop causing cascading failures. I built a custom retry logic for them and added API usage insights to our dashboard. <b>R:</b> The issue was resolved, support tickets dropped by 30%, and the customer upgraded their plan.
<b>Ownership</b>	<i>Describe a time when you took initiative on something outside your job scope.</i>	<b>S:</b> A critical deployment failed at midnight and the on-call engineer was unreachable. <b>T:</b> Though not on-call, I got alerted via Slack and joined the incident call. <b>A:</b> I rolled back the release and started triaging logs to pinpoint the root cause. <b>R:</b> We had services back up in 30 minutes, and I later wrote the postmortem and proposed CI checks to prevent recurrence.
<b>Invent and Simplify</b>	<i>Tell me about a time you simplified a complex process.</i>	<b>S:</b> Onboarding new partners required 10+ manual steps and took 2 days. <b>T:</b> I proposed automating this as a self-service workflow. <b>A:</b> I created a React-based UI, exposed APIs, and hooked it into our auth and

Leadership Principle	Sample Question	STAR Answer (Summary)
		<p>billing services.</p> <p><b>R:</b> Onboarding time dropped to 30 minutes, and our partner count doubled in 6 months.</p>
<b>Dive Deep</b>	<i>Tell me about a situation where you had to dig into data to solve a problem.</i>	<p><b>S:</b> Product metrics showed a drop in weekly active users, but no bugs were reported.</p> <p><b>T:</b> I was asked to assist in diagnosing the cause.</p> <p><b>A:</b> I analyzed logs, segmented by browser and region, and found that mobile Safari users were silently failing due to a CSP update.</p> <p><b>R:</b> We patched the issue, released a hotfix, and saw WAUs rebound the next week.</p>
<b>Bias for Action</b>	<i>Tell me about a time you had to make a decision without all the data.</i>	<p><b>S:</b> We were launching a pricing experiment, but our analytics dashboard broke.</p> <p><b>T:</b> With a deadline approaching, I had to choose to delay or go live.</p> <p><b>A:</b> I decided to proceed using sampled logs and added manual tracking in the backend.</p> <p><b>R:</b> The launch happened on time, and we used the manual tracking until the dashboard was fixed.</p>
<b>Earn Trust</b>	<i>Describe a time you had to rebuild trust after a mistake.</i>	<p><b>S:</b> I miscommunicated an API change, which broke integrations for two clients.</p> <p><b>T:</b> I had to handle the fallout and make it right.</p> <p><b>A:</b> I immediately owned the mistake, issued patches, personally apologized, and wrote better change management docs.</p> <p><b>R:</b> Clients appreciated the transparency, and we later brought them into a beta advisory group.</p>

Would you like me to generate a Notion template or editable doc where you can write your own STAR answers too?