

Log In

Join

Back To Course Home

Grokking Modern System Design Interview for Engineers & Managers

0% completed

System Design Interviews

Introduction

Abstractions

Non-functional System Characteristics

Back-of-the-envelope Calculations

Building Blocks

Domain Name System

Load Balancers

Databases

**Key-value Store**

**Content Delivery Network (CDN)**

**Sequencer**

**Distributed Monitoring**

**Monitor Server-side Errors**

**Monitor Client-side Errors**

**Distributed Cache**

**Distributed Messaging Queue**

**Pub-sub**

**Rate Limiter**

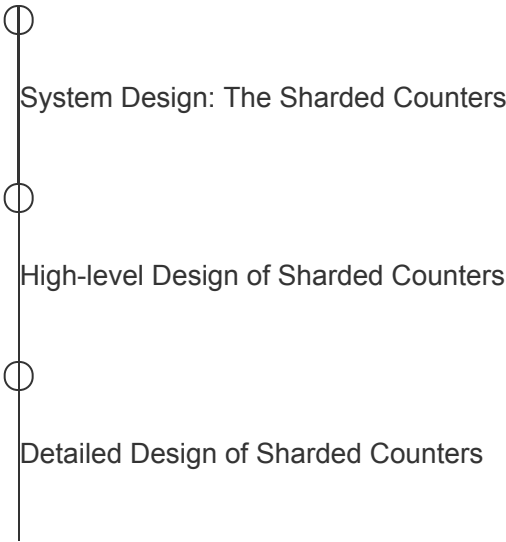
**Blob Store**

**Distributed Search**

**Distributed Logging**

# Distributed Task Scheduler

## Sharded Counters



Quiz on the Sharded Counters' Design

## Concluding the Building Blocks Discussion

### Design YouTube

### Design Quora

### Design Google Maps

### Design a Proximity Service / Yelp

### Design Uber

**Design Twitter**

**Design Newsfeed System**

**Design Instagram**

**Design a URL Shortening Service / TinyURL**

**Design a Web Crawler**

**Design WhatsApp**

**Design Typeahead Suggestion**

**Design a Collaborative Document Editing Service / Google Docs**

**Spectacular Failures**

**Concluding Remarks**

**Course Certificate**

**Mark Course as Completed**

# Quiz on the Sharded Counters' Design

Test your understanding of the concepts related to the sharded counters via a quiz.

1

What kind of problem would occur if our system created a counter with a few shards for a post from a user with one million followers?

**Reset Quiz**

Question 1 of 3

0 attempted

**Submit Answer**

**Back**

Detailed Design of Sharded Counters

**Next**

Wrapping Up the Building Blocks Disc...

Mark as Completed

---

Report an Issue