System Design (LLD + HLD) from Basics to Advanced

Covered both Low Level Design (LLD) and High Level Design (HLD) in this course

Bestseller

Created by Shrayansh Jain

Last updated 11/2024

Hindi

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What you'll learn

- ✓ High Level Design
- ✓ Low Level Design
- ✓ System Design Interview Questions
- ✓ Overall System Design combined both HLD and LLD

This course includes:

- 35.5 hours on-demand video
- Certificate of completion
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Course content

	Decorator Design Pattern (Structural Design Pattern)	22:59
	Factory Pattern and Abstract Factory Pattern (Creational Design Pattern)	12:18
	Design Parking Lot	49:11
	Design Tic-Tac-Toe game	19:50
	Design Elevator System	40:10
	LLD of Car Rental System	36:55
	Chain Of Responsibility Design Pattern (Behavioral Design Pattern)	15:07
	LLD of Snake n Ladder	31:34
	Proxy Design Pattern (Structural Design Pattern)	11:48
	LLD of BookMyShow	35:55
	Null Object Pattern (Behavioral Design Pattern)	12:03
	State Design Pattern (Behavioral Design Pattern)	45:29
	LLD of ATM	44:31
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	Adapter Pattern (Structural Design Pattern)	16:44
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	All Creational Design Patterns in 1 Video	28:48
	LLD of Inventory Management System	39:23

MVC Design Pattern	14:46
Memento Design Pattern (Behavioral Design Pattern)	14:45
Template Method Design Pattern (Behavioral Design Pattern)	13:28
Interpreter Pattern (Behavioral Design Pattern)	16:34
All Behavioral Design Patterns in 1 Video	47:06
LLD of Payment Gateway	47:08
Object Pool Design Pattern (Creational Design Pattern)	19:32

HLD(High Level Design) 36 lectures • 17hr 18min

Requirements

- OOPs knowledge

Description

System Design is asked in many companies(no matter senior, staff or sde2), its important skill which an engineer should have.
Being 8+ year of experience and currently working as Staff Engineer if one of the big fintech MNC.
I have use my knowledge and created this course which will help you to build solid foundation and understanding.

Please note few videos might be in Hindi in both LLD and HLD

HLD TOPICS COVERED:

- Network Protocols

- CAP Theorem

- Microservices Design Patterns

- Design High Availability System
- Kafka (Distributed Messaging Queue)
- Proxy vs Reverse Proxy
- Load Balancer and its algorithms
- Distributed Caching System
- Distributed Transactions (2PC, 3PC, SAGA)
- Database Indexing
- Distributed Concurrency Control
- Two Phase Locking
- OAuth 2.0

LLD Topics Covered

Strategy Pattern,

Observer Pattern,

Decorator Pattern,

Factory Pattern,

Abstract Factory Pattern,

Chain of Responsibility Pattern,

Proxy Pattern,

Null Object Pattern,

State Pattern,

Composite Pattern,

Adapter Pattern,

Singleton Pattern,

Builder Pattern,

Prototype Pattern,

Bridge Pattern,

Facade Pattern,

Flyweight Pattern,

Command Pattern,

Design Snake n Ladder,

Design Tic Tac Toe,

Design Elevator System,

Design Parking Lot,

Design Car Rental System,

Design Inventory Management System,

Design Cricbuzz

Who this course is for:

- Backend Software engineers

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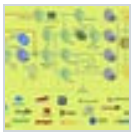

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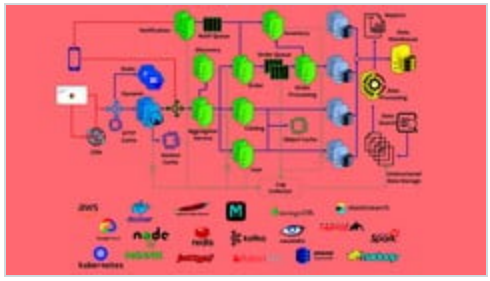

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Instructor

Shrayansh Jain

I have worked on application which handles 1Billion+ requests per day and also taken care of many projects end to end (from Design to deployment)

★ 4.5 course rating • 884 ratings

AS **Ankit S.**
★★★★☆ 3 weeks ago

Course is good overall. I'm software engineer with 1.5+ yoe. I think some video can be more descriptive and more planned. overall videos was good. Thankyou for ur time and effort.

Helpful?

HG **Harshit G.**
★★★★★ a month ago

Awesome course, explained each topic in very very depth.

Helpful?

AM **Akash M.**
★★★☆☆ a month ago

Same videos are available on Youtube. So I expected at least something extra but disappointed. At least provide java code for your all implementations. Notes are also not up to mark.

Helpful?

Ranjeet Singh N.
★★★★★ 2 months ago

I highly recommend this System Design (LLD + HLD) course from Basics to Advanced. It is clear, and structured for both low-level and high-level design, making even complex concepts easy …

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