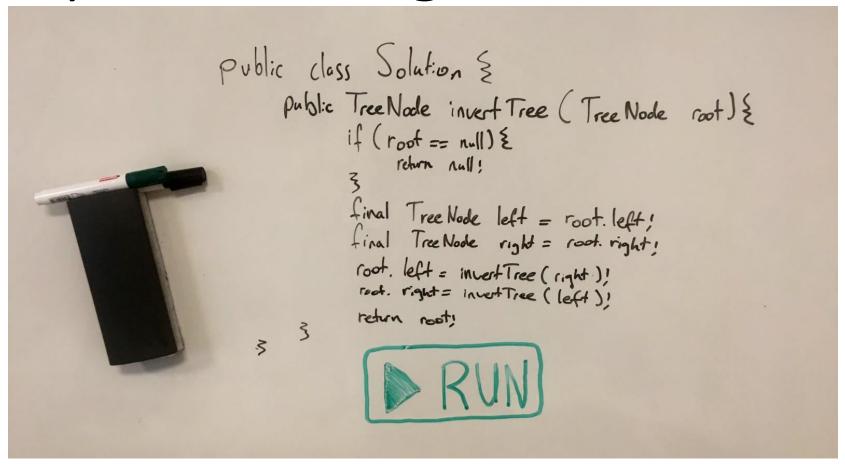
System Design Interviews



System Design Interview

What is a system design interview and why it is important?

What is System Design Interview

- In this type of interview you are asked to design a system or application from scratch
- Usually the interview lasts for 45 mins or an hour
- Requires a broad set of knowledge.
- Involves concepts of scalability, availability and sometime security.

Sample Question:

- Q1. Design a mobile application like Uber?
- Q2. Create a chat messenger like WhatsApp, take scalability into account?

Why they are difficult?

- Broad range of knowledge required
- Even if you are asked the same question that you have read before different interviewers might expect different answer for the same question
- Usually required to write code on white board which requires some practice before hand.

Sample System Design Interview Questions

- Design an ecommerce website like Amazon, FlipKart?
- Design a chat messenger service like WhatsApp?
- Design an autocomplete feature like on google search engine?
- Design a search engine ?
- Create an Uber like service to find a nearby taxi or Create a yelp like service ?
- Design a ticketing system to book cinema tickets online?

Why these interviews are Important?

- Almost all top software companies have this round of interview.
- Clearing this interview helps in negotiating a better offer.
- Preparing for this interview helps us broaden our own knowledge level in different technologies.

References

- Crack the system design interview.
- How to ace a system design interview.
- Best way to prepare for system design interview.
- Popular system design interview questions.
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