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Hi Ashim,

**Class details:**

* Batch Name: **Academy Nov22 Intermediate 1**
* Topic to be covered: **HLD: Case study 2 (Typeahead)**.
* Class Time: **09:00 pm (IST)**
* Link to join: [Classroom link](https://www.scaler.com/ahoy/messages/szb4rYritrkYMTiqU2Bfo3sZqidyEHtD/click?signature=0d3905e45870ca5c1bbd60153338d535b25ed492&url=https%3A%2F%2Fwww.scaler.com%2Facademy%2Fmentee-dashboard%2Fclass%2F147475%2Fsession)

Following are the topics we shall be covering in the upcoming class.

* Topic 1: Getting started with the case study 2 for system design
* Topic 2: Case of building typeaheads and design problems in it.
* Topic 3: Minimum Viable Product for a typeahead
* Topic 4: Checking for Estimate scale, need of sharding and deciding whether it is a Read or Write heavy system
* Topic 5: Design goals and APIs
* Topic 6: Trie approach, getSuggestion and updateFrequency APIs
* Topic 7: Hashmap approach
* Topic 8: Optimize writes (Read and write heavy -> Read Heavy)
* Topic 9: Discussion on sharding for this case
* Topic 10: Recency factor
* Topic 11: Summary of the class
* Topic 12: Doubt Resolution

We also recommend that you solve the [remaining problems](https://www.scaler.com/ahoy/messages/szb4rYritrkYMTiqU2Bfo3sZqidyEHtD/click?signature=1e720a1777221b5d9555e83491830da7176f15c8&url=https%3A%2F%2Fwww.scaler.com%2Facademy%2Fmentee-dashboard%2Fclass%2F147535%2Fassignment%2Fproblems%3Futm_source%3Dmidfunnel%26utm_medium%3Demail) from your past class/classes to have a better understanding of concepts.

We hope to see you in class.

Remember, consistency is the compass that guides student success - We urge you to commit to steady effort, an effort that starts with attending your classes.

Thank You,  
Team Scaler