

## Chapter 02: Distributed Systems

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**Instructions:** Please answer the following questions:

1. If the network latency between a client and a server is high, then the time of transmission may dominate overall performance. What can be done to alleviate this problem?
2. Give an example of a Vertical Distributed System and a Horizontal Distributed System. How are they Vertical/Horizontal? Is it possible to be both?
3. What feedback system exist in automobiles? What are some characteristics of these Distributed Systems in cars?
4. What is the three-tiered client server architecture? What is an example?
5. What may be an issue with using interceptors? Is there a way around this?

**How to turn in:**

Turn in via GitHub. Ensure the file(s) are in your directory and then:

- `$ git add <files>`
- `$ git commit`
- `$ git push`

**Due Date:** Sep 20, 2022 2359

**Teamwork:** No teamwork, your work must be your own.