**List the pros and cons of the 3­tiered architecture.**

Pros: It separates the logic/code needed in our app so that code is easier to work with and maintable.

Cons: As complexity increases, it can become a bit confusing for someone jumping into the development process to figure out how certain parts of the code works with others. Also in some cases, changing one part of code will require changing many parts of the code to avoid errors due to the change.

**How can we address the alignment mismatch between the StockQuote getQuote(String symbol) method and how stock data is stored?**

Enhancing the method. This could be as simple as using the time/date field in the sql syntax that gets our data, or adding logic that will get the stock for our current date/time.

**What is the fundamental problem with this method (interface)?**

The Method only takes in a string. The data is stored with multiple fields (name, date, id, etc.). This makes the method a bit handicapped in terms of how it is expected to get stock data.

**How would you fix it?**

We can have the method choose a date based on a date, or add logic that takes date into account so that it’s not just a method that gets all the stocks from a certain symbol.

In my case, I added both a way to get the stock for the current date(commented out) and also how to get the most current stock based on the time field.