

CO324: Network and Web Applications Design

Lab 06: Server sent events

E/14/158

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- 1 **Study the code of the Stock Ticker project. Build and deploy it on either Tomcat or GlassFish.**

Run the following bash commands

```
$ cd StockTicker
$ mvn clean install
$ sudo cp target/StockTicker-1.war /opt/tomcat/webapps/
$ google-chrome http://127.0.0.1:8080/StockTicker-1/
```

- 2 **Open two separate browser connections (one of which is private/incognito) side by side and observe the updates. Are there any differences in the price values sent?**

No. They show the same prices.

3 Perform a GET on /StockTicker/stream using curl. What difference(s) do you observe compared to the browser?

Browser	Curl
Just the stockprice(number) ex: 50 This is because CURL is getting data from the stream flushed by the Servlet	data : stockprice(number) ex: data : 50 This is because the javascript listens to the stream and processes it to print only the stockprice to the HTML page

4 What is the purpose of notifyAll() and wait() within the synchronized blocks in the Stock and PriceUpdate classes?

These functions are used to create a Thread locking mechanism in java. The **wait()** function locks the thread, it is unlocked when the **notifyAll()** function is called.

5 Add a timestamp (hour:min:sec) to each stock price update.

Done