**User Story #3**

**REST API:** /api/v2/200dma?startDate=YYYY-MM-DD&tickerSymbols=list-of-ticker-symbol-separated-by-comma

For example:  
/api/v2/200dma?startDate=2017-02-02&tickerSymbols=GE,FB

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If no data for start date provided, the first possible start date is provided, see example below:

[

{

"200dma": {

"Ticker": "GE",

"Avg": "69.3565",

**"Message": "No data for start date provided. The first possible start date 1962-01-02 is provided"**

}

},

{

"200dma": {

"Ticker": "FB",

"Avg": "25.66990350000002",

"Message": "No data for start date provided. The first possible start date 2012-05-18 is provided"

}

]

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**How to run the program**

**Prerequisite**

1. Install apache maven ([apache-maven-3.3.9](http://mirrors.viethosting.com/apache/maven/maven-3/3.3.9/binaries/apache-maven-3.3.9-bin.zip))
2. Add [maven\_installation\_folder\bin] to PATH system variable in order to access mvn.bat whenever. Otherwise, you must point to mvn.bat in command line.
3. Install jre 8, then set bin folder of jre to PATH like what you do for maven.

**How to run the program**

1. Open command line from the folder where **stockPriceService.jar is located**.
2. Run the following command:

*java.exe –jar stockPriceService.jar*

1. An embedded Tomcat starts on host <http://localhost:8080>

**How to run unit tests**

1. Open command line from the folder where **the stockPriceService source folder is located (i.e. c:\projects\stockPriceService)**.
2. Run the following command:

*mvn clean test*

**Note:**

1. If maven bin is set to PATH, call mvn directly. Otherwise, please give the path of maven bin (i.e. c:\apache-maven\bin\mvn)
2. It’ll take time to download dependency artifacts from maven repository.
3. Run the unit tests from IDE (Eclipse, STS – Spring Tool Suite).

Result as below

