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## Requirements

**Supp1:** Find an Api which helps to get current stock value of a company

**Supp2:** Create a Database where companies and stock history of company can be stored

**Supp3:** Create job which executes after every five minutes and adds current stock values for the list of required companies to database

**Supp4:** Create Restful Api to get the stock history of a company

**Supp5:** Create Restful api to get the list of companies in database

**Supp6:** Create a Restful Api which can add company name to database

**Supp7:** Create a Restful Api which deletes company in database

**Supp8:** Implement a logger which logs error messages or any required messages.

**Supp9:** Create a front end interface which shows stats of company stocks

## Design

**Travis CI**

## Implementation

Get Company List – OK (200), No Content (204)

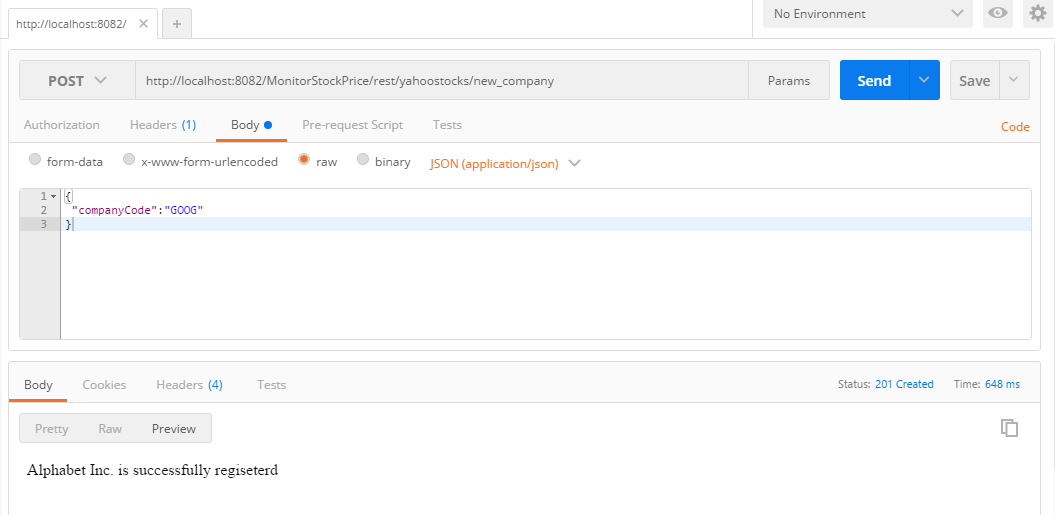
Get Company History – OK (200), Not Found (404)

Create new Company – Created (201), Forbidden (403) – company already exist, Bad Request (400) Company Not exist

{

"companyCode":"GOOG"

}



Delete Company – Not Found (404), OK (200)

Maven build -- clean test

http://localhost:8082/MonitorStockPrice/rest/yahoostocks/getCompanies

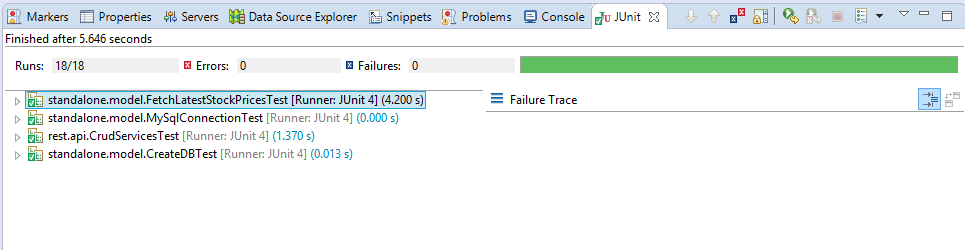
System.*setProperty*("rootPath", context.getRealPath("/"));

**C:\Users\eswar\Desktop\LM\_WS\.metadata\.plugins\org.eclipse.wst.server.core\tmp0\wtpwebapps\MonitorStockPrice\WEB-INF\logs**

## Testing

### Unit Testing:

Added Junit test cases for all service layer modules. For each module possible success scenarios and failure scenarios are tested



Restassured

### Functional Testing:

After implementing the application. Developed Restful apis are tested manually from Postman.

Tested apis with possible inputs and validated them by comparing expected output and actual output

## Version Control

Used Git for version control. Created branches for tasks and after competing each task merged with master branch.

## User Guide