PS&T Code Challenge Assignment - 3

Technology Stack : Java 8 (or higher), Spring Boot, Any in memory DB (H2 DB preferred)

Duration : 2 days — strictly

Description : Develop a simple Spring boot based RESTful web-service application which serves grocers and consumer.

Details :

• Build restful web-services for Grocer (**/mystore/register/grocer**) and consumer registration (**mystore/register/consumer**). Basic registration can be done using the following

- • For Grocer : Name, List of 5 items up for sale in the store, Location

- • For User : Name , Location

On success, return a uniqueID (alphanumeric) of 16 characters length with appropriate HTTP Status Code. Incase of failure return a HTTP 500.

• Build 2 RESTful APIs (GET) which do the following

/mystore/stocklist/{location} Returns a list of grocers with available stock in a particular location.

/mystore/stocklist/{item} Return a list of grocers who sells a particular item (exact match).

In case of any exception during reading, return a 404.

Guidelines
• Limit the implementation to the specified scope. The only error cases to be considered are as outline in Details section.
• Data need not be persistent after app shutdown.
• Create Entity Models and associations as needed.
• Write test cases for all the APIs.
• No need to optimise any APIs.
• Adhere to java coding standards, modular and well structured.

Evaluation Criterion
• Completeness of the solution
• Solution Architecture & logic including functional & performance aspects
• Guidelines adherence
• Coding Standards, e.g. Readability, Re-usability