**Spring Assessment**

Given a use case where there is a need for the online community user to ask question and get appropriate answers for the question, to gauge the question relevance the votes are consider where there is an opportunity for other users to UP Vote / DOWN Vote.

The Application should be addressing following needs to solve above asks.

1. The object persistence should happen in the DBMS provided.

2. The DAO layer should be the only layer to talk to DBMS ensure not do validation check.

3. The service layer, should validate all the data which pass by to DAO layer.

4. Data transmission should happen in the object fashion

5. The signatures of the DAO/Service layers should not be changed

6. Use only custom exceptions to handle any cases, the exception templates are created for the ease.

7. DAO layer should not have the usage of the code directly instead should be referred from the resources folder File Name : db.properties.

8. Any configuration to the application / connecting to the DBMS should be done in application.properties file

The template is provided with 3 layers

1. DAO

2. Service

3. Test

Below are the list of validation to be executed.

1. StackOverFlowApplicationTests (\*\*\* Please maintain order \*\*\*)

a. to get and validate number of questions which are inserted in the db, and validating the length equal to 3

b. to insert the question valid case

c. to insert the question valid case for exception handling InvaliQuestionException

d. to get and validate number of questions which are inserted in the db, and validating the length equal to 4

e. to get number of votes whose number of votes is more than 0

f. to test the question which was inserted earlier, and validate it is not null and check the question phrase

g. To test the question entered has zero votes

h. to delete the question entered and to find the question which throws exception

2. StackOverFlowControllerTest

a. to test with the status code 200 and the return type is application/json

b. to test with the status code 200 and the return type is application/json for votes greater than specified number

c. test to get a single question with id 101, valid case

d. to get votes of all the question which are inserted in the DBMS, and validating the same

e. To insert the question and validate the same - valid case

Please refer the readme.md file and code comments for help around the solution to the problems.