**Assignment Details:**

**Technology used:**

*REST Application using spring boot*

**Repository:**

*https://github.com/Robinrrr10/equiz.git*

**Pre-requirement:**

*Java 8 or more*

*Maven*

*Please import dbInstall.sql in your database. You can find dbInstall.sql in root of the project*

*Below is the property file used:*

**application.properties** *- This file is in src/main/resources*

*server.port=8080 - Give port number here. spring boot will run on this port number*

*server.servlet.context-path=/equiz*

*application.equiz.mysql.class=com.mysql.jdbc.Driver*

*application.equiz.mysql.url=jdbc:mysql://localhost:3306/equiz - Give mysql host name here. Here hostname is localhost and database name is equiz*

*application.equiz.mysql.user=root - mysql username*

*application.equiz.mysql.password=root - mysql user password*

**To run the jar:**

*java -jar equiz-0.0.1-SNAPSHOT.jar*

**If the project repository is in your local we can also use below maven command to run the application**

*mvn spring-boot:run*

**Below are the API which can be used for backend**

*1. Health Check API:*

*url: http://localhost:8080/equiz/api/questions*

*method: GET*

*2. To add questions:*

*url: http://localhost:8080/equiz/api/questions/add*

*method: POST*

*payload:*

*[*

*{*

*"question": "What is java?",*

*"level": "HARD",*

*"tag": "tag6"*

*},*

*{*

*"question": "Mysql user name and passwoed means?",*

*"level": "HARD",*

*"tag": "tag6"*

*}*

*]*

*3. To add single questions:*

*url: http://localhost:8080/equiz/api/questions/addQuestion?questionEntry=What is java?|MEDIUM|tag5*

*method: POST*

*4. To add list of questions by uploading files:*

*url: http://localhost:8080/equiz/api/questions/uploadQuestions*

*method: POST*

*multipart:*

*name: file*

*sampleInputFile.txt*

*5. To get all questions:*

*url: http://localhost:8080/equiz/api/questions/all*

*method: GET*

*6. To get available questions(questions which are not used):*

*url: http://localhost:8080/equiz/api/questions/available*

*method: GET*

*7. To get quiz questions based on all given criteria:*

*url: http://localhost:8080/equiz/api/questions/quizQuestions*

*method: PUT*

*8. To get quiz questions(only 10 questions):*

*url: http://localhost:8080/equiz/api/questions/quizQuestionsTen*

*method: PUT*

*9. To get quiz questions with each tag one question:*

*url: http://localhost:8080/equiz/api/questions/quizQuestionsBasedOnTag*

*method: PUT*

*10. To get quiz questions with each difficulty level two questions:*

*url: http://localhost:8080/equiz/api/questions/quizQuestionsBasedOnLevel*

*method: PUT*