Quiz Portal

About :

DESCRIPTION

To create an online quiz portal with multiple REST APIs where users can browse different quizzes, attempt them, and find their scores and standings.

Description:

This project, which aims to create an online quiz application, is based on different REST APIs through which users can log in and take quizzes. After finishing the quiz, they can find their standing and scores based on their accurate responses.

There are two types of users on this quiz portal:

- Admin user
- Participants

Installation Guide:

1. GitHub link: https://github.com/baljeet-singh97/JAVA-Projects/tree/main/Phase%203/QuizPortal

2. Download the entire project as Zip in local system.

3. import the project in Eclipse IDE

- Postman needs a live HTTP server to process its requests.
- We can run the requests in sequence as semi-automated tests.
- We open the ellipsis menu on our collection and select *Add Request.*
- Our service accepts JSON data, so we select the *raw* radio button**.** In the dropdown to the right, we apply the *JSON (application/json)* content type**.**
- To run a single request, we just click the *Send* button.
- We see a list of tests that are marked green for success and red for failure.

- In the project postman concept is used to explain quiz portal.
- Quiz questions are added with four options and answer.
- Then different id is created for quiz.
- Each quiz contains different set of questions.
- Questions can be displayed using get method.
- Questions can be added using post method.
- Then user can attempt the questions.
- Then result will be displayed, out of the questions, how many are correct.
- User and admin authentication is coded using spring boot security.

- In application.properties all the connection requirements are specified.
- Annotations are used in spring boot code to print the content in localhost.

```
| 16 | Elon Musk | Programming Language | NULL | sunita        | 2 |
| 17 | Elon Musk | Programming          | NULL | kavita        | 2 |
| 18 | Elon Musk | Programming          | NULL | kavita        | 2 |
| 19 | Elon Musk | Programming          | NULL | kavita kumari | 2 |
| 20 | Elon Musk | Programming language | NULL | dheeraj       | 2 |
| 21 | Elon Musk | Programming Language | NULL | dheeraj       | 2 |
| 22 | Elon Musk | Programming Language | NULL | Alex          | 2 |
| 23 | Elon Musk | Programming Language | NULL | kabeer        | 2 |
| 24 | Elon Musk | Language             | NULL | Rajesh        | 2 |
| 25 | Laptops   | Elon Musk            | NULL | jack          | 3 |
| 26 | Laptops   | Elon                 | NULL | jackMaa       | 3 |
| 27 | Laptops   | Elon                 | NULL | ironMan       | 3 |
| 28 | Laptops   | Elon Musk            | NULL | ironMan2      | 3 |
| 29 | Laptops   | Elon                 | NULL | ironMan2      | 3 |
| 30 | Laptops   | Elon                 | NULL | ironMan3      | 3 |
+----+-----------+----------------------+------+---------------+---+
30 rows in set (0.00 sec)

mysql> select *from questions;
+----+----------------------+--------------+----------------------+------------------+-----------+---------------------------+
| id | answer               | opa          | opb                  | opc              | opd       | que                       |
+----+----------------------+--------------+----------------------+------------------+-----------+---------------------------+
|  2 | Delhi                | Jaipur       | Delhi                | Punjab           | Haryana   | Capital of india ?        |
|  3 | Narendra Modi        | Rahul Gandhi | Narendra Modi        | Arvind Kejriwal  | Amit shah | Prime Minister of india ? |
|  4 | Laptops              | iphones      | Android devices      | Laptops          | ipads     | Acer manufactures ?       |
|  5 | Elon Musk            | Anil Ambani  | Jeff Bezos           | Elon Musk        | bill gates| Richest Person in the world ? |
|  6 | Programming Language | Software     | Programming Language | electornic device| Game      | Java is a ?               |
|  7 | seven                | five         | eight                | seven            | six       | days in a week ?          |
+----+----------------------+--------------+----------------------+------------------+-----------+---------------------------+
6 rows in set (0.00 sec)

mysql> select * from quizz;
+----+------------+--------+
| id | questionid | quizid |
+----+------------+--------+
|  1 | 2          | 1      |
|  2 | 3          | 1      |
|  3 | 4          | 1      |
|  4 | 5          | 2      |
|  5 | 6          | 2      |
|  6 | 7          | 2      |
|  7 | 4          | 3      |
|  8 | 5          | 3      |
+----+------------+--------+
8 rows in set (0.00 sec)

mysql>
```