Online Test Application

**Brought to you by**

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**System Details**

This system contains three main modules: Quiz, Review, and Result. The quiz section of the online test application accepts the questions in JSON format. The JSON file can be easily shared from the server in the pre-defined format. The application renders the test at the client-side.  
The “Review and display result” section allows users to declare the results immediately. You can simply call another JSON with the answers in it and evaluate and display the results immediately.

**Modules:**

1. **Online quiz Applications (user)**

* Load all quizzes.
* Load quizzes by Category.
* View and start the quiz.
* Upon submit test show the Result.

1. **Application Administration (Admin)** 
   * Create, delete, update categories of quiz.
   * Load all the categories, quizzes.
   * Add quiz depending upon categories.
   * Add, delete, update questions of specific quiz.

## **Java Technologies used**

* Java Classes
* JPA & Hibernate
* Data Access Objects
* Data Structures
* Modularity
* Jsp & JQueries
* html ,CSS,JavaScript
* Exception Handling
* Spring-Boot
* Angular 11
* Typescript

**Spring Planning**

* Understanding the problem statement of the project.
* Creating the flow chart of the application.
* Creating Spring boot Project.
* Adding necessary dependencies.
* Creating necessary application. Properties file
* Creating Controller, DAO as well as Entity Packages and Classes needed.
* Writing the Spring security configurations for login of Administrator.
* Writing Spring JPA Repositories to connect with the database MySQL.
* Testing at each step for different user inputs.
* Initializing the git repository.
* Pushing the code to the GitHub
* Creating the Specification document for showing the Product’s capabilities, appearance and the user interactions.

**Project GITHUB Link:**

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| Repository Name: | [Online-Test-Application-Ang](https://github.com/hrushikeshkalamkar/Online-Test-Application-Ang) |
| Github Link: | https://github.com/hrushikeshkalamkar/Online-Test-Application-Ang.git |