Online Test Application Project Specification and Sprint

Version History:

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| Purpose: | Project Specification and Sprint |
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| Version: | 1.0 // |

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1.defined**.** Java Technologies Used: 2.Sprints Planning:

1. [Project GITHUB Link:5](#_bookmark0)

Modules:

* 1. **Online quiz Applications (user)**
     1. Load all quizzes
     2. Load quizzes by Category
     3. View and start the quiz
     4. Upon submit test show the Result

## Application Administration (Admin)

* + 1. create, delete, update categories of quiz.
    2. Load all the categories, quizzes
    3. Add quiz depending upon categories
    4. Add, delete, update questions of specific quiz

# Java Technologies used

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| Java Classes |
| JPA & Hibernate |
| Data Access Objects |
| Data Structures |
| Html , CSS, JavaScript |
| Exception Handling |
| Spring-Boot |
| Angular |
| 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 |
| Github Link: |  |