**Phase 5 Project 2**

**Online Test Application(Write up)**

The code for this project is hosted at <https://github.com/suruthiram/Phase5_project2>

The project is developed by Suruthi Suresh.

**DESCRIPTION**

The Online Test Application system creates an application that enables users to provide online tests, review them, and display the results.

**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.

# JAVA (Core)Technology Used:

* Naming Standards
* Exceptions
* Modularity
* Object Oriented Programming
* Collections
* Control structures
* Data Structures

#### Technology Used:

* HTML.
* CSS and Bootstrap.
* TypeScript.
* Angular, Angular Material for View.
* VS Code: As an IDE to design frontend of the application.
* Git: To connect and push files from the local system to GitHub.
* GitHub: To store the application code and track its versions
* Scrum: An efficient agile framework to deliver the product incrementally.

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| **Sr no** | **Sprint Wise Work** | |
| **1.** | 1 | a. Initialized the project, made it Angular Project. |
| **2.** | 2 | 1. Planned the structure of the website and navigation across it. 2. Made a Header and footer pages to   include it across every page. |
| **3.** | 3 | 1. Made the Quiz pages   Angular Quiz Page: Contains all the angular mcqs.  JavaScript Quiz Page: Contains all the angular mcqs.  JSON Quiz Page: Contains all the JSON mcqs.   1. Modified the navigation with the help of buttons and added the navigation to the home page in the Header Tag. |
| **4.** | 4 | Testing of the codes and bug fixes Deployed the website using GitHub. |