**PHASE - IV**

**Final Project Details**

Date: 20/04/2022

**Project Name:** Online Quiz

**Project Developed Language:** Angular, TypeScript, Html, CSS, Bootstrap 5

**Software Used:** Visual Studio Code, Angular-Cli, Firefox

**Version Control & Remote Accessing:** GitHub

**Developer Details**

**Name:** Rajagopal Sai Krishna

**Employee Id:** 2499086

**GITHUB Repository Link:**

<https://github.com/SaiKrishna6699/JavaFSDFinalAssesment.git>

## **Project objective:**

As a Full Stack Developer, Create an Online Test Application system that enables users to provide online tests, review them, and display the results. complete the features of the application by planning the development and pushing the source code to the GitHub repository.

**Project Details:**

This project is designed and develop an Online Test Application portal that creates portal to conduct test. 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.

**Introduction:**

The application helps conduct online quiz. The Data required for the application is stored in the form of arrays in JSON file. Typescript is used to insert the questions and corresponding answers and used to store results of tests. The Application is frontend is developed mainly using Angular.

**Angular Frontend:**

**Welcome Component:**

It contains a static page which performs as an landing point of the application. This page contains a form to enter the candidate’s name and start the test.

**Question Component:**

Question component is dynamic application. In this Component contains all the exam process occurs. The Question are in form of MCQs, and Each question contains four options and Each Question has finite interval o time to answer and proceeds to next one if not answered. Bootstrap and Typescript is used to create the styling and configuring of the application. After the test the application page displays the performance of the candidate. Score obtained by the candidate in this test.

**Result Component:**

It contains all the candidate’s submission results and their performance stats of the tests.

**How to Run the project:**

* Clone the Repository.
* Cd to the repository root.
* Open the OnlineQuizApp.
* Run command “ng serve -o” to launch the project in the default browser.
* Now You can use the application.