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Online Test Application (Phase 4 Project)

27.02.2022

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Full Stack Java

September 2021 Cohort

# Overview

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

The link for the GitHub repository is : https://github.com/inderpreet-k-a/Phase4\_project

# Sprints Description

In the project, three sprints of one-day duration each were performed.

## First sprint

The flow of the application was designed and the concepts to be used while coding were outlined, with focus on the optimization of the code.

## Second Sprint

The code for the application was written in VS Code and the code was pushed in the local git repository.

## Third Sprint

The source code file was tested and the code was de-bugged. The local git repository was pushed in the GitHub repository.

## Work-flow of the application

The application displays a home message with option to start for the quiz. The questions are asked with four options. Correct option turns green after selection, whereas wrong option turns red if selected. Score is kept for each answer. At the end of the quiz, user can view result immediately. There is also an option to start the quiz again.

## Flow chart

1- The application displays a home message with option to start for the quiz

2- The questions are asked with four options

3- Correct option turns green after selection, whereas wrong option turns red if selected

4- Score is kept for each answer

5- At the end of the quiz, user can view result immediately

6- There is also an option to start the quiz again