**Project Write Up**

**Online Test Application:**

Git URL: <https://github.com/reach03/MEAN-Phase_1-Project.git>

(https://github.com/reach03/MEAN-Phase\_1-Project/tree/master)

Project folder name in the GIT: [MEAN-Phase\_2 Project](https://github.com/reach03/MEAN-Phase_1-Project)

This project is about an online test application in order to help the recruitment team take online tests of the candidates coming for interviews.

I have created Angular Online Test Application using following technology:

* Visual Studio Code
* Node JS
* Angular
* TypeScript
* GitHub
* Bootstrap
* HTML
* CSS
* JavaScript
* Angular Test Portal has 2 webpages, Home page and Quiz page.
* Home page consists of ‘Welcome Message’, ‘Test your Angular Knowledge’ message and instructions about ‘Number of questions and a button to ‘Start Test’.
* Onclick ‘Start Test’, user can start the test which consists of 10 questions with multiple choice answers, user sees one question at a time and need to select an answer by clicking radio button, on select radio button background color changes to yellow.
* Then click ‘Next’ button to move on to next question and select the answer and keep on going with the questions until the test ends on question 10.
* There is a previous button to move back to previous question to change your answer.
* On end of the test, there is a button called ‘Show Result’ to show the result of the test.
* Result tells you about ‘Number of correct answers’ and ‘Incorrect answers.
* And there is one more button called ‘Try Again’, if user wants to retake the test, they can click on this ‘Try Again’ button, it routes to ‘Home’ page and from there user can restart the test.

**Source Code Files:**

App.component – consist of ‘Welcome’ and ‘Test’ message and <router outlet>

Home.component – consists of instructions to the test.

Quiz.component – consists of all the logic of test questions and the code for displaying questions one at a time, next, prev, keep tracks of right and wrong answers etc.

Question.service.ts – service class consists of all the test questions.

Background.directive – consists of code to add background color to radio button on selection of answer to the test question, it changes the background of the selected answer to ‘Yellow’.