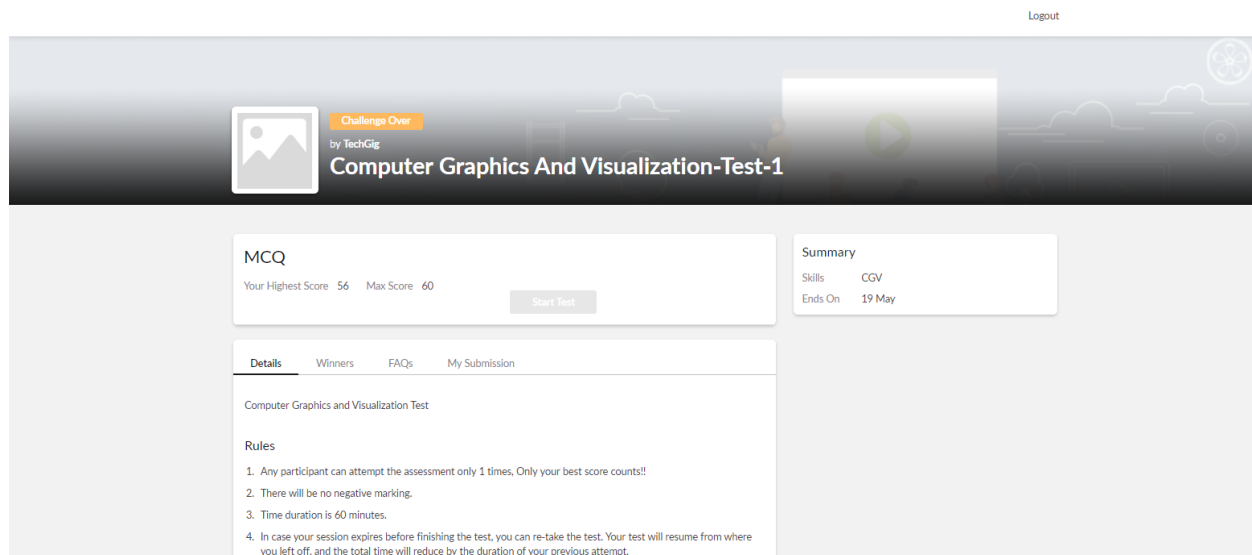


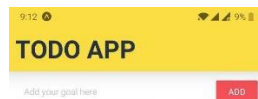
DAILY ONLINE ACTIVITIES SUMMARY

Date:	19-05-2020	Name:	Jayraj Shah
Sem & Sec	6-A	USN:	4AL17CS036
Online Test Summary			
Subject	CGV		
Max. Marks	60	Score	56
Certification Course Summary			
Course	React Native Tutorial for Beginners - Crash Course 2020		
Certificate Provider	N/A	Duration	As per progress
Coding Challenges			
Problem Statement: We have a Letter or a word then we need add some letters to it and need to find out shortest palindromeFor example we take "S": S will be the shortest palindrome string. If we take "xyz": zyxyz will be the shortest palindrome string			
Status: Completed			
Uploaded the report in Github		YES	
If yes Repository name		TODO-APP-Jayraj-Shah-CSE-3Year https://github.com/alvas-education-foundation/TODO-APP-Jayraj-Shah-CSE-3Year	
Uploaded the report in slack		YES	

Online Test Details: (Attach the snapshot and briefly write the report for the same)

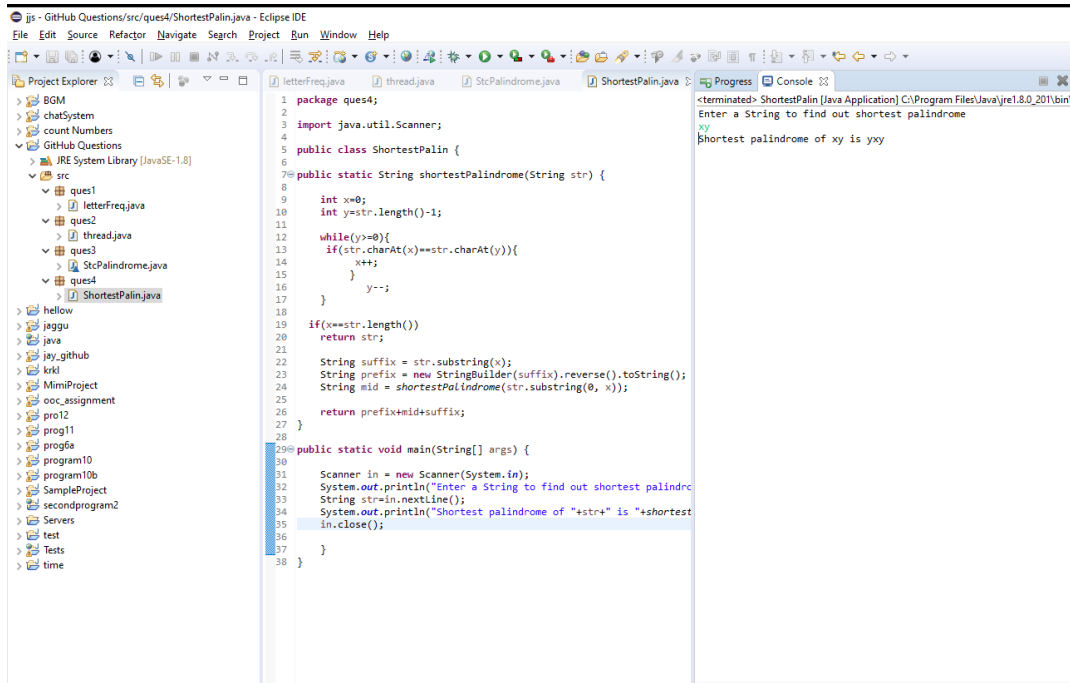


Certification Course Details: (Attach the snapshot and briefly write the report for the same)



Designed a basic user interface using VIEW, TEXT and BUTTON jsx tags

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)



The screenshot shows the Eclipse IDE with a project named 'GitHub Questions'. The 'Project Explorer' on the left shows the project structure. The 'Main Editor' displays the code for 'ShortestPalin.java'. The 'Console' on the right shows the output of the program.

```
1 package ques4;
2
3 import java.util.Scanner;
4
5 public class ShortestPalin {
6
7     public static String shortestPalindrome(String str) {
8
9         int x=0;
10        int y=str.length()-1;
11
12        while(y>=0){
13            if(str.charAt(x)==str.charAt(y)){
14                x++;
15            }
16            y--;
17        }
18
19        if(x==str.length())
20            return str;
21
22        String suffix = str.substring(x);
23        String prefix = new StringBuilder(suffix).reverse().toString();
24        String mid = shortestPalindrome(str.substring(0, x));
25
26        return prefix+mid+suffix;
27    }
28
29    public static void main(String[] args) {
30
31        Scanner in = new Scanner(System.in);
32        System.out.println("Enter a String to find out shortest palindrome");
33        String str=in.nextLine();
34        System.out.println("Shortest palindrome of "+str+" is "+shortest
35        in.close();
36    }
37 }
38 }
```

The console output shows the program execution for the input 'xy':

```
<terminated> ShortestPalin (Java Application) C:\Program Files\Java\jre1.8.0_201\bin
Enter a String to find out shortest palindrome
xy
Shortest palindrome of xy is yxy
```

Went through and revised string handling functions in JAVA.

Coding GitRepo : <https://github.com/JayrajShah/CodingChallenge-Programs>

GitRepo Link : <https://github.com/alvas-education-foundation/TODO-APP-Jayraj-Shah-CSE-3Year>

(in Progress)

<https://github.com/alvas-education-foundation/COVID-19-Tracker-JayrajShah-CSE-3-Year>

(pending)

Course Link : <https://www.youtube.com/watch?v=qSRxpdMpVc&t=1671s>

NOTE: For more description about project, please check out my repositories.