

PROJECT REPORT

THE QUIZ GAME

GROUP MEMBERS:

- ASAD [CT-89]
- ABBAS [CT-75]
- JAWWAD [CT-76]
- OWAIS [CT-69]
- TAHA [CT-79]

1. PROBLEM DESCRIPTION:

Create an application of quiz game using python as programming language in which a user takes a quiz and views his/her performance at the end in terms of score. The application allows the user to enjoy a fruitful content of knowledge in the form of competitive gaming environment. The administrator can change the content of quiz because it is totally based on filling. Admin can view the information (name, roll #) of registered ones.

2. FEATURES OF OUR PROGRAM:

The distinguishing features of our codes are mentioned below:

- Admin can view the information like: (name, roll #) of the players.
- The Quiz Game is based on three competitive rounds having individual criteria to qualify them.
- Our project is totally based on the fundamentals/logics of programming considering the aim of our course.

3. MOST CHALLENGING PART:

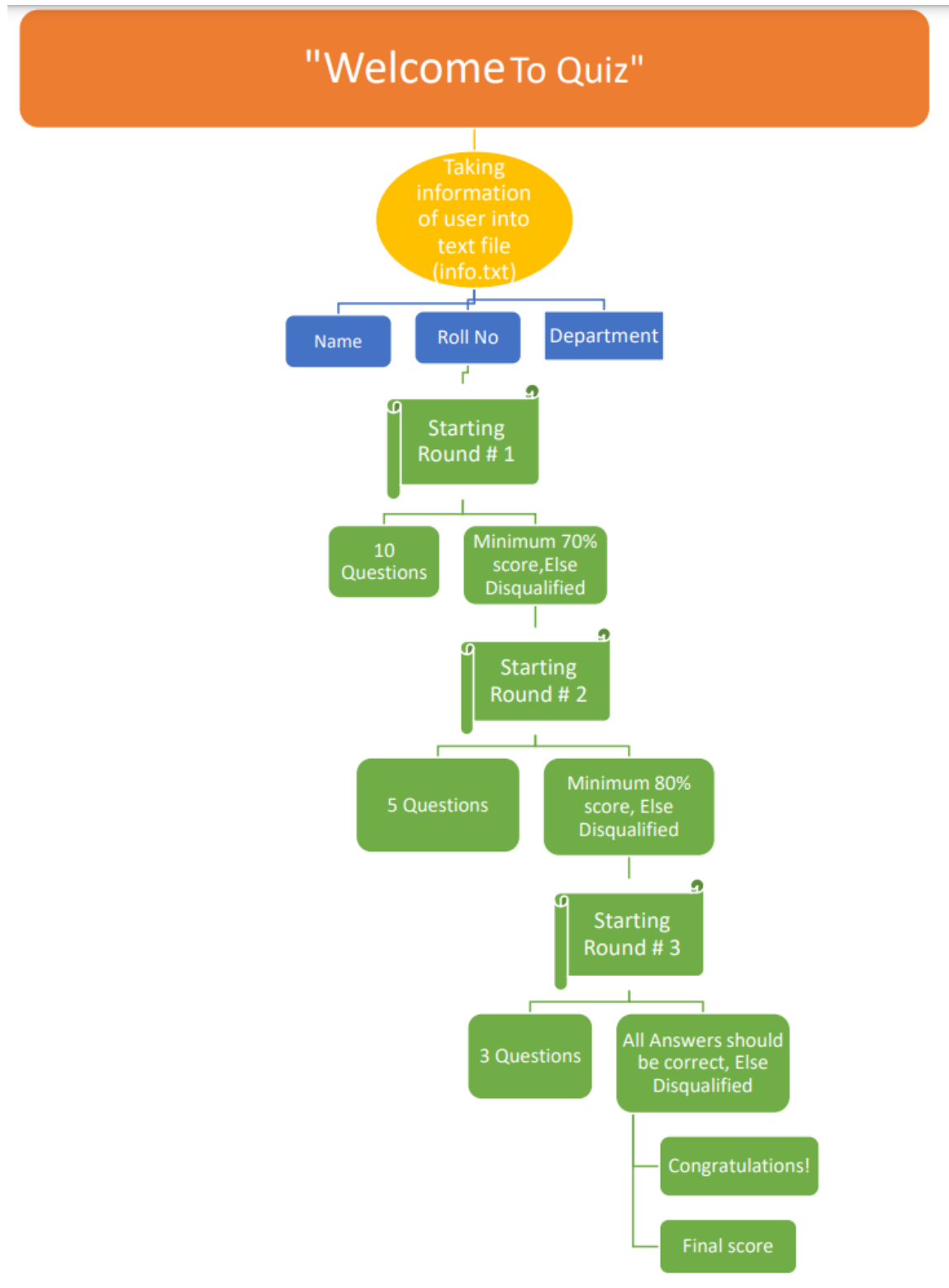
The most challenging part we faced while coding is firstly to decide that which approach should we go for, we have used multiple approaches so that anyone can easily understand our code, we have tried dictionary, different functions, used if-else statements in different ways and have tried many other things. After that we have faced difficulty in opening file on our code. Initially it was bit hard for us but somehow we managed it as it was necessary to use file, without that our code will remain incomplete. To call function was another big problem and lastly in admin part we faced a little bit difficulty in viewing score.

4. ANY NEW THING LEARNT IN PYTHON WHILE WORKING ON THE PROJECT:

We have learnt a lot of new things while working on this project, like we have learnt:

- After having difficulties in opening a file, we finally learnt to open a file
- Have learnt use of many different functions.
- And lastly we have learnt how to do team work which increased our knowledge and skills a lot.

5. FLOWCHART:



6. INDIVIDUAL CONTRIBUTIONS:

Most of the work was done in group but some individual contributions are:

SYED MUHAMMAD JAWWAD UL HASNAIN RIZVI [CT-076]:

- Main idea of the project.
- Implementation of all round functions in quiz.
- Use of conditional statements and loops...

OWAIS ANSARI [CT-069]:

- Implemented conditional statements in the quiz.
- Created pseudo code of the program.
- Project report.

TAHA KHAN [CT-079]:

- Created presentation of the project.
- Syntax of the code.
- Contributed in file handling.

ASAD ULLAH [CT-089]:

- Identify the bugs in the code and debug them.
- Performed file handling in the quiz
- Updating scores using loop..

ABBAS RAZA [CT-075]:

- Created file of all questions asked in the quiz.
- Flow chart.
- Contributed in creating presentation.

7. FUTURE EXPANSION:

- We will try to implement GUI.
- Add a timer
- Administrative portal

8. SOURCE CODE:

PF Final Project (Quiz Game) Source Code.py ×

```
1  # الرَّحْمَنُ الرَّحِيمُ اللَّهُ بِسْمِ
2  def info(name,roll_number,depart):
3      with open("info.txt","a") as f:
4          f.write(f"\nName: {name}\n Roll Number: {roll_number}\n Department: {depart}")
5
6
7  '''
8  def round1():
9      print("ROUND-1")
10     round1.add1_total = 100
11     round1.add1=0
12     with open("r1.txt","r") as f :
13         with open("w1.txt","r") as w:
14             a=w.readlines()
15             for i in range (10):
16                 for j in range(6):
17                     print(f.readline())
18                     n=input("Enter your answer[a/b/c/d]:\n")
19                     if n in a[i]:
20                         print("Your answer is correct")
21                         round1.add1+=10
22                     else:
23                         print("Your answer is incorrect")
24     print("You have passed the Round 1.")
25     print("Your total round-1 score: ",round1.add1)
26
27 '''
28 def round2():
29     print("ROUND-2")
30     round2.add2 total = 100
```

```
31     round2.add2=0
32     with open("r2.txt","r") as f :
33         with open("w2.txt","r") as w:
34             a=w.readlines()
35             for i in range (4):
36                 for j in range(5):
37                     print(f.readline())
38                     n=input("Enter your answer[a/b/c/d]:\n")
39                     if n in a[i]:
40                         print("Your answer is correct")
41                         round2.add2+=20
42                     else:
43                         print("Your answer is incorrect")
44     print("You have passed the Round 2.")
45     print("Your Total Round-2 score: ",round2.add2)
46 '''
47 def round3():
48     print("ROUND-3")
49     round3.add3 total = 150
50     round3.add3=0
51     with open("r3.txt","r") as f :
52         with open("w3.txt","r") as w:
53             a=w.readlines()
54             for i in range (4):
55                 for j in range(5):
56                     print(f.readline())
57                     n=input("Enter your answer[a/b/c/d]:\n")
58                     if n in a[i]:
59                         print("Your answer is correct")
60                         round3.add3+=50
```

```

61         else:
62             print("Your answer is incorrect")
63         print("Your Total Round-3 score: ",round3.add3)
64
65     '''
66 def result():
67     with open("info.txt","r") as f:
68         print(f.readline())
69
70     '''
71
72 def score():
73     program.final_score = round1.add1+round2.add2+round3.add3
74     print("NAME:",program.name)
75     print("ROLL # ",program.roll_number)
76     print("DEPARTMENT:",program.depart)
77     print("Your final score is ",program.final_score)
78
79     '''
80
81 def program():
82     print("-----Welcome to Quiz Game-----")
83     a = input("Are you ready to play? [Yes/No]:\n")
84     if a.lower() == "yes":
85         print("Enter your information")
86         program.name = input("Enter your name:\n")
87         program.roll_number = input("Enter your roll number:\n")
88         program.depart = input("Enter your department:\n")
89         info(program.name,program.roll_number,program.depart)
90         print("Let's start!")

```

```

91     round1()
92     l=input("press ENTER to continue:\n")
93     if ((round1.add1/round1.add1_total)*100)>=70:
94         round2()
95         l=input("press ENTER to continue:\n")
96
97         if ((round2.add2/round2.add2_total)*100)>=80:
98             round3()
99             if round3.add3 >= round3.add3_total:
100                 print("Congratulation! :-)")
101                 b = input("Press 'ENTER' to see your final score:\n")
102
103                 score()
104             else:
105                 print("Oops! You Are Disqualified. Better Luck Next Time :( ")
106         else:
107             print("Oops! You Are Disqualified. Better Luck Next Time :( ")
108     else:
109         print("Oops! You Are Disqualified. Better Luck Next Time :( ")
110     else:
111         print(" Bye Bye! ")
112
113     '''
114 # now calling the whole program here!
115 print(program())
116 print("ALLAH HAFIZ")

```