A Mini Project Report

On

Ten Fun

Submitted in partial fulfillment of requirements for the Course
CSE18R272 - JAVA PROGRAMMING

Bachelor's of Technology

In

Computer Science and Engineering

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ABSTRACT

Online Quiz System is a web-based application in Java. The main aim of this project is to create a discussion platform consisting of quiz questions on different topics, fields and subjects. Online Quiz system facilitates a user-friendly environment of Bluebook implementation, and the project overall manual effort. Those who are looking forward to taking mock tests may find this project very useful for practicing mock quiz tests.
In Online Quiz system project, 'N' number of participants can participate in a competition. Also, 'N' number of rounds can be played to finally declare a team as the winner. The participant with higher average marks are declared as a winner.
Participants are automatically given questions, and this is based on time limit. If the participant is unable to answer the question then zero mark is given.

DECLARATION

I hereby declare that the work presented in this report entitled "**Ten Fun**", in partial fulfilment of the requirements for the course CSE18R272- Java Programming and submitted in **Department of Computer Science and Engineering, Kalasalingam Academy of Research and Education** (**Deemed to be University**) is an authentic record of our own work carried out during the period from **Jan 2020** under the guidance of Mr. **Dr. R. Ramalakshmi** (Associate Professor).

The work reported in this has not been submitted by me for the award of any other degree of this or any other institute.

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

Chapter 1

INTRODUCTION

This Ten Fun project is just like an online quiz that it contains 10 questions and 4 options and the user should select the appropriate option If the option that the user selected is correct then the score increases by 1 and if it is wrong the score remains same Here questions may related to any subject and this makes fun

1.0.1 Objectives

1. To develop a code for creating an online quiz...
   2. It provides a common platform to connect student and teacher online. The registered teacher can create Quiz and student can take quiz and can asses himself/herself.

Chapter 2

PROJECT DESCRIPTION

In this project we used applet packages .Java awt and swing packages are imported.
JAVA AWT :
Java AWT (Abstract Window Toolkit) is an API to develop GUI or window based applications in java. Java AWT (Abstract Window Toolkit) is an API to develop GUI or window-based applications in java. Java AWT components are platform-dependent AWT is heavyweight i.e. its components are using the resources of OS. The java.awt package provides classes for AWT api such as Text Field, Label, Text Area, Radio Button, Checkbox, Choice, List etc. The java.awt package provides classes for AWT api such as Text Field, Label, Text Area, Radio Button, Checkbox, Choice, List etc.
JAVA SWING :
Java Swing is a part of Java Foundation Classes (JFC) that is used to create window-based applications. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java. Unlike AWT, Java Swing provides platform independent and lightweight components. The javax.swing package provides classes for java swing API such as JButton, JTextField, JTextArea, JRadioButton, JCheckbox, JMenu, JColorChooser etc.

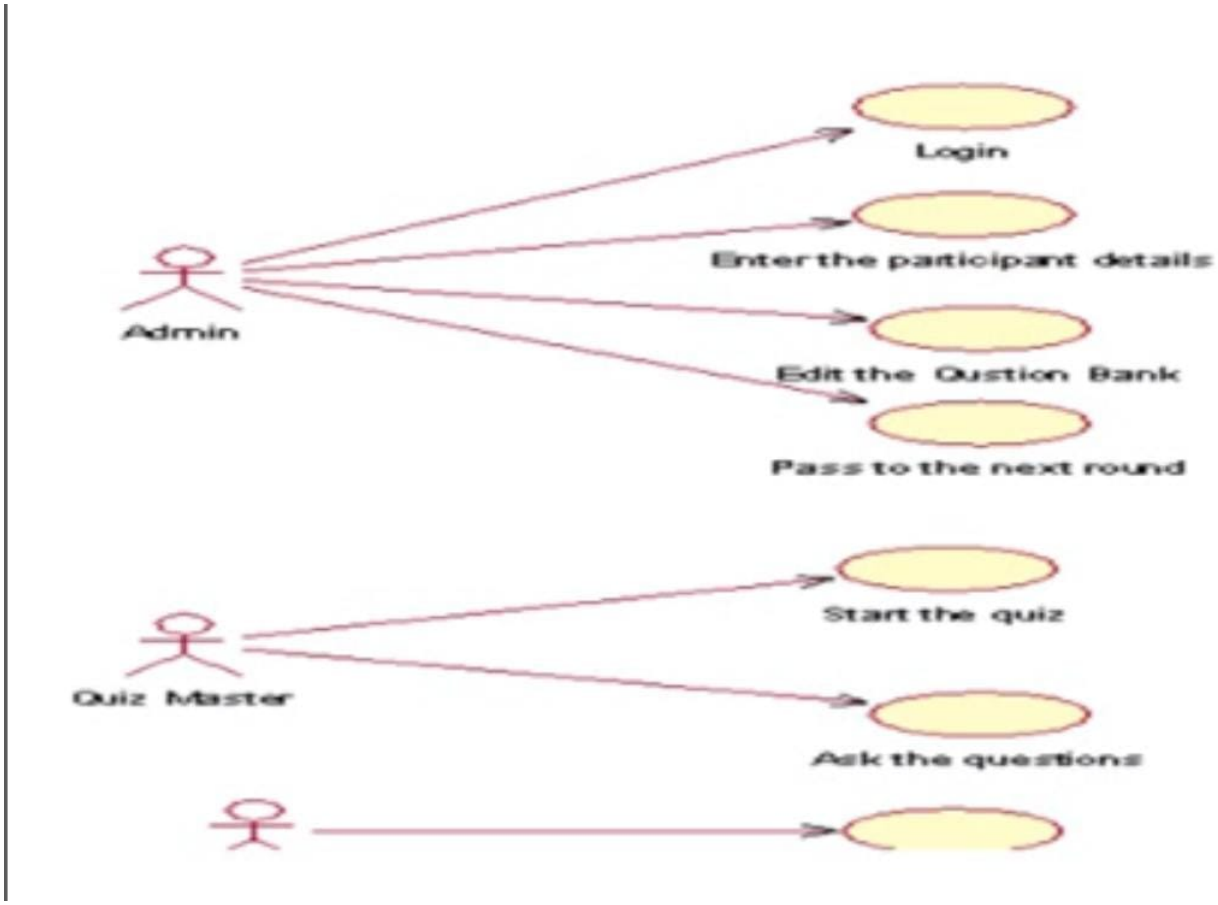

Figure 2.1: Figure Example

Chapter 3

CONCLUSION

The main Uses of Online quiz System is
Teacher
Student
1.Teacher
Can create quiz after getting logged in! Can enter subjects and enter question with it?s options and answer at the time of creating quiz. 10 Question for each quiz required to be completed.
2. Student
Can search quiz according to their interest. Click on the id of quiz and ready to start it just clicking on a button. After completing all questions, result will be diaplayed Automatically. Can view the description about each and every question in the respective quiz.

Appendices

SOURCE CODE

```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
class OnlineTest extends JFrame implements
   ↪ ActionListener
{
JLabel l;
JRadioButton jb[]=new JRadioButton[5];
JButton b1,b2;
ButtonGroup bg;
int count=0,current=0,x=1,y=1,now=0;
int m[]=new int[10];
OnlineTest(String s)
{
super(s);
l=new JLabel();
add(l);
bg=new ButtonGroup();
for(int i=0;i<5;i++)
{
jb[i]=new JRadioButton();
add(jb[i]);
bg.add(jb[i]);
}
b1=new JButton("Next");
b2=new JButton("Bookmark");
b1.addActionListener(this);
b2.addActionListener(this);
add(b1);add(b2);
set();
l.setBounds(30,40,450,20);
jb[0].setBounds(50,80,100,20);
jb[1].setBounds(50,110,100,20);
jb[2].setBounds(50,140,100,20);
jb[3].setBounds(50,170,100,20);
b1.setBounds(100,240,100,30);
b2.setBounds(270,240,100,30);
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
setLayout(null);
setLocation(250,100);
setVisible(true);
setSize(600,350);
}
public void actionPerformed(ActionEvent e)
{
if(e.getSource()==b1)
{
if(check())
count=count+1;
current++;
set();
if(current==9)
{
b1.setEnabled(false);
b2.setText("Result");
}
}
if(e.getActionCommand().equals("Bookmark"))
{
JButton bk=new JButton("Bookmark"+x);
bk.setBounds(480,20+30*x,100,30);
add(bk);
bk.addActionListener(this);
m[x]=current;
x++;
current++;
set();
if(current==9)
b2.setText("Result");
setVisible(false);
setVisible(true);
}
for(int i=0,y=1;i<x;i++,y++)
{
if(e.getActionCommand().equals("Bookmark"+y))
{
if(check())
count=count+1;
```

```
now=current;
current=m[y];
set();
((JButton)e.getSource()).setEnabled(false);
current=now;
}
}
if(e.getActionCommand().equals("Result"))
{
if(check())
count=count+1;
current++;
//System.out.println("correct ans="+count);
JOptionPane.showMessageDialog(this,"correct ans="+count
    ↪ );
System.exit(0);
}
}
void set()
{
jb[4].setSelected(true);
if(current==0)
{
l.setText("Que1: Which one among these is not a
    ↪ datatype");
jb[0].setText("int");jb[1].setText("Float");jb[2].
    ↪ setText("boolean");jb[3].setText("char");
}
if(current==1)
{
l.setText("Que2: Which class is available to all the
    ↪ class automatically");
jb[0].setText("Swing");jb[1].setText("Applet");jb[2].
    ↪ setText("Object");jb[3].setText("ActionEvent");
}
if(current==2)
{
l.setText("Que3: Which package is directly available to
    ↪ our class without importing it");
```

```
jb[0].setText("swing");jb[1].setText("applet");jb[2].
    ↪ setText("net");jb[3].setText("lang");
}
if(current==3)
{
l.setText("Que4:␣String␣class␣is␣defined␣in␣which␣
    ↪ package");
jb[0].setText("lang");jb[1].setText("Swing");jb[2].
    ↪ setText("Applet");jb[3].setText("awt");
}
if(current==4)
{
l.setText("Que5:␣Which␣institute␣is␣best␣for␣java␣
    ↪ coaching");
jb[0].setText("Utek");jb[1].setText("Aptech");jb[2].
    ↪ setText("SSS␣IT");jb[3].setText("jtek");}
if(current==5)
{
l.setText("Que6:␣Which␣one␣among␣these␣is␣not␣a␣keyword
    ↪ ");
jb[0].setText("class");jb[1].setText("int");jb[2].
    ↪ setText("get");jb[3].setText("if");
}
if(current==6)
{
l.setText("Que7:␣Which␣one␣among␣these␣is␣not␣a␣class␣"
    ↪ );
jb[0].setText("Swing");jb[1].setText("Actionperformed")
    ↪ ;jb[2].setText("ActionEvent");jb[3].setText("
    ↪ Button");
}
if(current==7)
{
l.setText("Que8:␣which␣one␣among␣these␣is␣not␣a␣
    ↪ function␣of␣Object␣class");
jb[0].setText("toString");jb[1].setText("finalize");jb
    ↪ [2].setText("equals");jb[3].setText("
    ↪ getDocumentBase");
}
if(current==8)
```

```
{
l.setText("Que9: which function is not present in
    ↪ Applet class");
jb[0].setText("init");jb[1].setText("main");jb[2].
    ↪ setText("start");jb[3].setText("destroy");
}
if(current==9)
{
l.setText("Que10: Which one among these is not a valid
    ↪ component");
jb[0].setText("JButton");jb[1].setText("JList");jb[2].
    ↪ setText("JButtonGroup");jb[3].setText("JTextArea"
    ↪ );
}
l.setBounds(30,40,450,20);
for(int i=0,j=0;i<=90;i+=30,j++)
jb[j].setBounds(50,80+i,200,20);
}
boolean check()
{
if(current==0)
return(jb[1].isSelected());
if(current==1)
return(jb[2].isSelected());
if(current==2)
return(jb[3].isSelected());
if(current==3)
return(jb[0].isSelected());
if(current==4)
return(jb[2].isSelected());
if(current==5)
return(jb[2].isSelected());
if(current==6)
return(jb[1].isSelected());
if(current==7)
return(jb[3].isSelected());
if(current==8)
return(jb[1].isSelected());
if(current==9)
return(jb[2].isSelected());
```

```
return false;
}
public static void main(String s[])
{
new OnlineTest("Online Test Of Java");
}
}
```