K L UNIVERSITY

FRESHMAN ENGINEERING DEPARTMENT

A Project Based Lab Report

On

ONLINE OP REGISTRATION SYSTEM

SUBMITTED BY:

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UNDER THE ESTEEMED GUIDANCE OF

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DEPARTMENT OF BASIC ENGINEERING SCIENCES

CERTIFICATE

This is to certify that the project based laboratory report entitled "ONLINE OP REGISTRATION SYSTEM" submitted by Mr. MOHAMMAD SAMEER
bearing Regd. No.2000030639 to the **Department of Basic Engineering Sciences, KL University** in partial fulfillment of the requirements for the completion of a project in "Object Oriented Programming" course in I B Tech II Semester, is a bonafide record of the work carried out by him/her under my supervision during the academic year 2019-20.

PROJECT SUPERVISOR   HEAD OF THE DEPARTMENT

V Lakshmi Sarvani   Dr. D.HARITHA

ACKNOWLEDGEMENTS

It is great pleasure for me to express my gratitude to our honorable President **Sri. Koneru Satyanarayana**, for giving the opportunity and platform with facilities in accomplishing the project based laboratory report.

I express the sincere gratitude to our director **Dr. A Jagadeesh** for his administration towards our academic growth.

I express sincere gratitude to our Coordinator and HOD-BES **Dr. D.Haritha** for her leadership and constant motivation provided in successful completion of our academic semester. I record it as my privilege to deeply thank for providing us the efficient faculty and facilities to make our ideas into reality.

I express my sincere thanks to our project supervisor V Lakshmi Sarvani for his/her novel association of ideas, encouragement, appreciation and intellectual zeal which motivated us to venture this project successfully.

Finally, it is pleased to acknowledge the indebtedness to all those who devoted themselves directly or indirectly to make this project report success.

Name:

MOHAMMAD SAMEER

Regd . No: 2000030639

ABSTRACT

The Chairman of your hospital had come across an issue in the OP registration and had noticed that the process is too slow and time consuming as It is done manually. So, he has asked you to develop a GUI based program which should take in the patient details(name, age, gender) and should have an option of selecting the problem they're facing and should show the list of doctors in that field such that they can book an appointment at a time of their convenience.

In this project we have to Display all these details on the screen and then store them in a file.

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INTRODUCTION

The Chairman of your hospital had come across an issue in the OP registration and had noticed that the process is too slow and time consuming as It is done manually. So, he has asked you to develop a GUI based program which should take in the patient details(name, age, gender) and should have an option of selecting the problem they're facing and should show the list of doctors in that field such that they can book an appointment at a time of their convenience.

AIM:

Display all these details on the screen and then store them in a file.

Advantages:-

1).It allows to create modular program and reusable code.

2)It follows LIFO(Last in first out)

3)Java's compiler ,interpreter and runtime environment were each developed with security in mind.

4)It is the feature of stack allocation system.

5)You can declare Classes , create object inside classes and interact between two objects

Disadvantages:-

1) Significantly slower and more memory consuming than native compiled languages.

2) The addition of static imports in java and the procedural paradigm is better accommodated than in earlier versions in java.

Future enhancements:-

1)It is an object oriented programming language and has a simple object model.It is derived from C and C++.

2)It provides virtual machine which is Accumulated with byte code and can run On any system.

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SYSTEM REQUIREMENTS

➢ **SOFTWARE REQUIREMENTS:**

The major software requirements of the project are as follows:

Language   : Java

Operating system**:** Windows Xp or later.

➢ **HARDWARE REQUIREMENTS:**

The hardware requirements that map towards the software are as follows:

RAM   :8GB

Processor   : Intel

CLASS DIAGRAM

detail

Form
+l,l7,l9 : JLabel; +t3 : JComboBox; +j1,j2,j3 : JRadioButton; +b : JButton;
+main(String[]args):void; +ActionPerformed(actionevent ae);

IMPLEMENTATION

```java
package detail;
import java.awt.Font;
import
java.awt.event.ActionEvent;
import
java.awt.event.ActionListener;
import
javax.swing.ButtonGroup;
import javax.swing.JButton;
import
javax.swing.JComboBox;
import javax.swing.JFrame;
import javax.swing.JLabel;
import
javax.swing.JOptionPane;
import
javax.swing.JRadioButton;
public class Form {
 JFrame f=new JFrame("Doctors
 list");
 @SuppressWarnings("rawtypes
 ") public Form()
 {
JLabel l=new JLabel("Doctor and
slots"); l.setFont(new Font
("Arial",Font.PLAIN,20));
l.setBounds(150,70,250,30);
f.add(l);
JLabel l7=new JLabel("
Doctor :");
l7.setBounds(50,140,135,30);
f.add(l7);
String s1[] = {"SELECT", "Dr.Sasidhar MBBS", "Dr.sriram", "Dr.Rakesh", "Dr.praveen",
"Dr.Yamini","Dr.manaswini" };
@SuppressWarnings("uncheck
ed") JComboBox t3=new
JComboBox(s1);
t3.setBounds(175,150,200,20);

f.add(t3);

JLabel l9=new JLabel(" Slot
Timings :");
l9.setBounds(50,220,135,30);
f.add(l9);
JRadioButton j1=new JRadioButton("09:00AM -
12:00PM"); j1.setBounds(150,220,200,30);
f.add(j1);
JRadioButton j2=new JRadioButton("02:00PM -
05:00PM"); j2.setBounds(150,250,200,30);
f.add(j2);
```
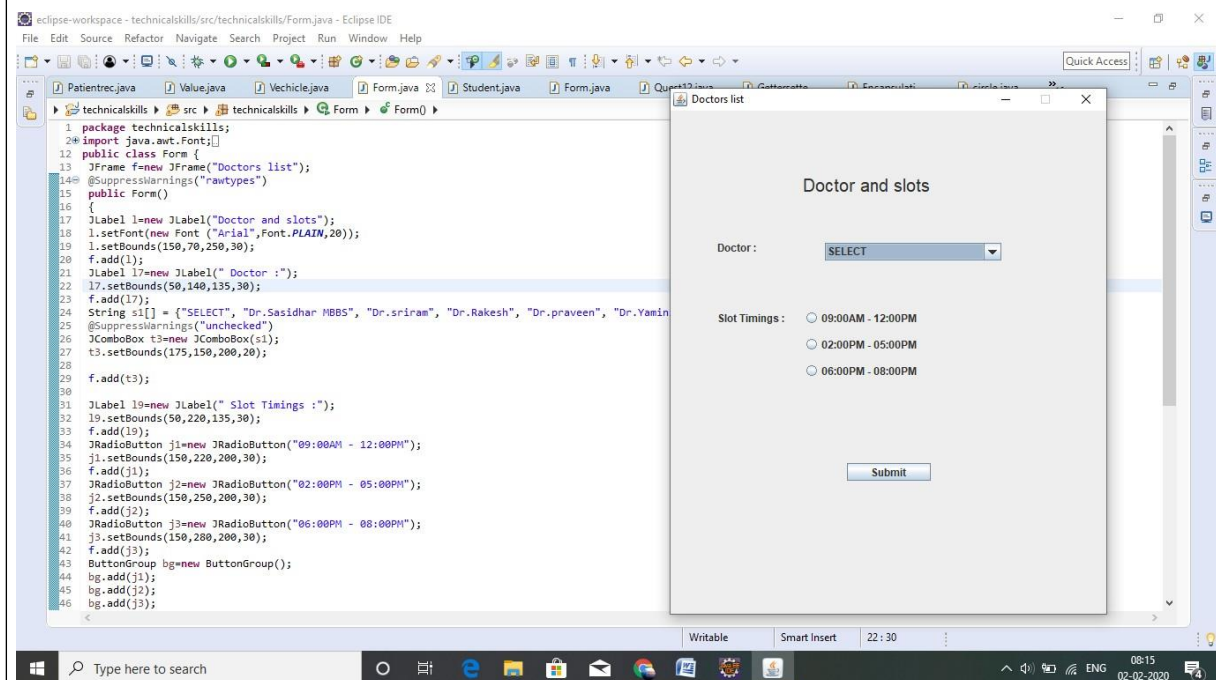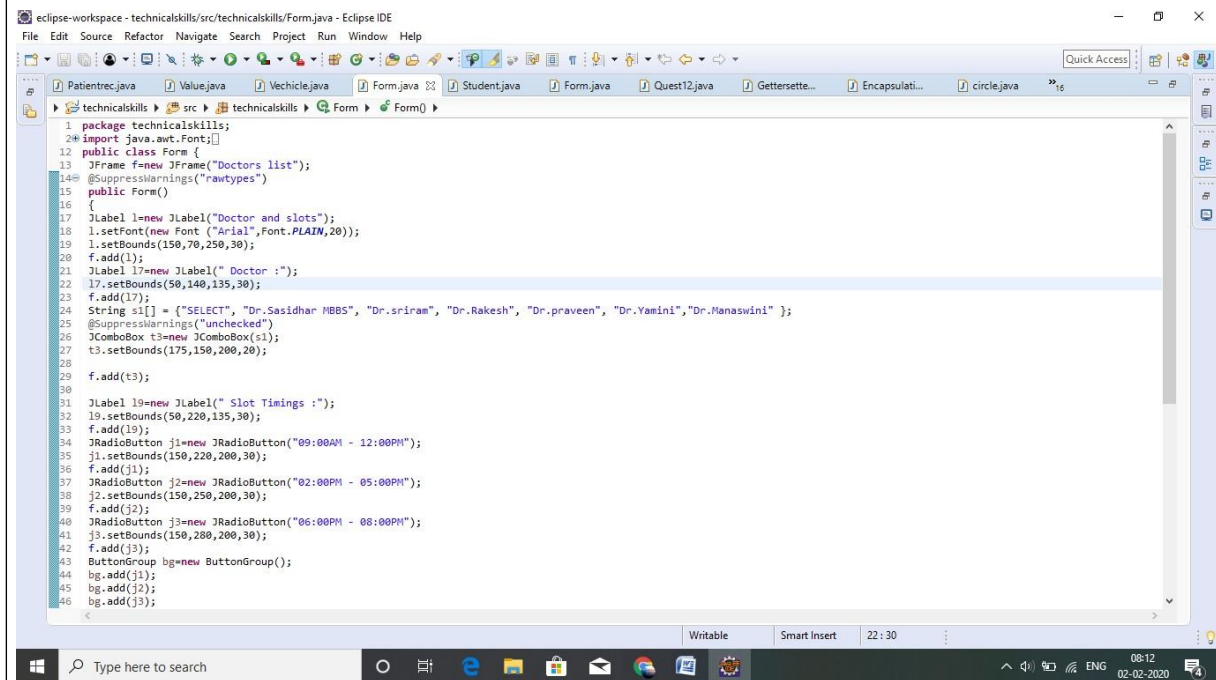
```java
JRadioButton j3=new JRadioButton("06:00PM -
08:00PM"); j3.setBounds(150,280,200,30);
f.add(j3);
ButtonGroup bg=new
ButtonGroup(); bg.add(j1);
bg.add(j2);
bg.add(j3);

JButton b=new
JButton("Submit");
b.setBounds(200,400,95,20);
f.add(b);
b.addActionListener(new ActionListener()
{
 public void actionPerformed(ActionEvent ae)
 {
 f.dispose();
 JOptionPane.showMessageDialog(f,"OP has been added successfully. you will be called
 soon");


 }
});
f.setSize(500,600
);
f.setLayout(null);
f.setVisible(true)
;
f.setResizable(fal
se);


}
public static void main(String args[])
{
 new Form();
```
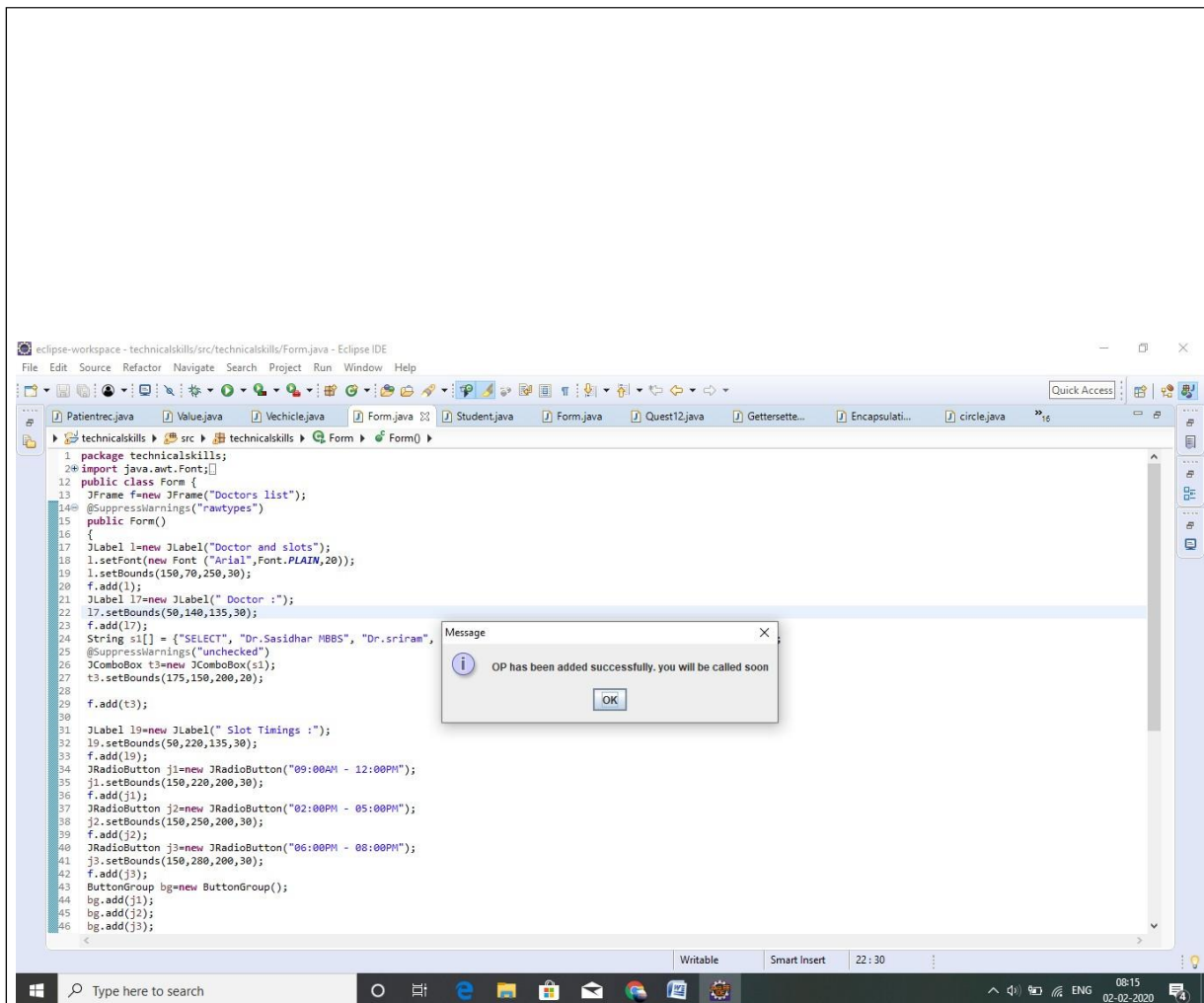
OUTPUTS

Screen Shots:

CONCLUSION

The above program gives the information about option of selecting the list of doctors in the field such that the patients can book an appointment at a time of their convenience.