

Software Engineering Department
Sir Syed University of Engineering & Technology

Project Proposal of Object-Oriented Programming

Title:

School Management System

Group Members:

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Section: A

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Project Objective:

This Project is made using OOP and consist of 3 interface classes which is inherited by a java class which is implemented by the main class. First interface class is the Student class, 2nd is the teacher class and the 3rd is the fees submit class. All these three interface classes are inherited by the java class named as "School" which is implemented by An Abstract or main class.

Project Feature:

Inheritance, Abstraction, Interface, Encapsulation, and polymorphism

Tools used for Project:

Java Language and NetBeans

Reference link:

<https://youtu.be/4Z1NliZEn58>

Code Highlight:

```
package schoolmanagementsystem;

/**
 *
 * @author Abdul Moiz Chishti
 */

public class School implements Student,Teacher,Feessubmit {

String fname,gender,nic,fo,ps,add,con;
int pc;int age; double pp;
    public void student( String fname,String gender,int age,String add,String con, String nic,String fo,int
pc,double pp,String ps){

        this.fname=fname;
        this.gender=gender;
        this.age=age;
        this.add=add;
        this.con=con;
        this.nic=nic;
        this.fo=fo;
        this.pc=pc;
        this.pp=pp;
```

```

        this.ps=ps;

    }

    @Override
    public void student(){

        System.out.println("\n*****\n");

        System.out.println("Student's Father name : "+fname);
        System.out.println("Student's Gender : "+gender);
        System.out.println("Student's Age : "+age);
        System.out.println("Student's Address : "+add);
        System.out.println("NIC/B-form Number : "+nic);
        System.out.println("Contact Number : "+con);
        System.out.println("Father occupation : "+fo);
        System.out.println("Student's previous Class : "+pc);
        System.out.println("Student's previous % : "+pp);
        System.out.println("Student's Previous School: "+ps);

    }

    String tname;
    int sal,txp,prcl;
    public void teacher(String tname,int txp,int prcl,int sal){
        this.tname=tname;
        this.txp=txp;
        this.prcl=prcl;
        this.sal=sal;

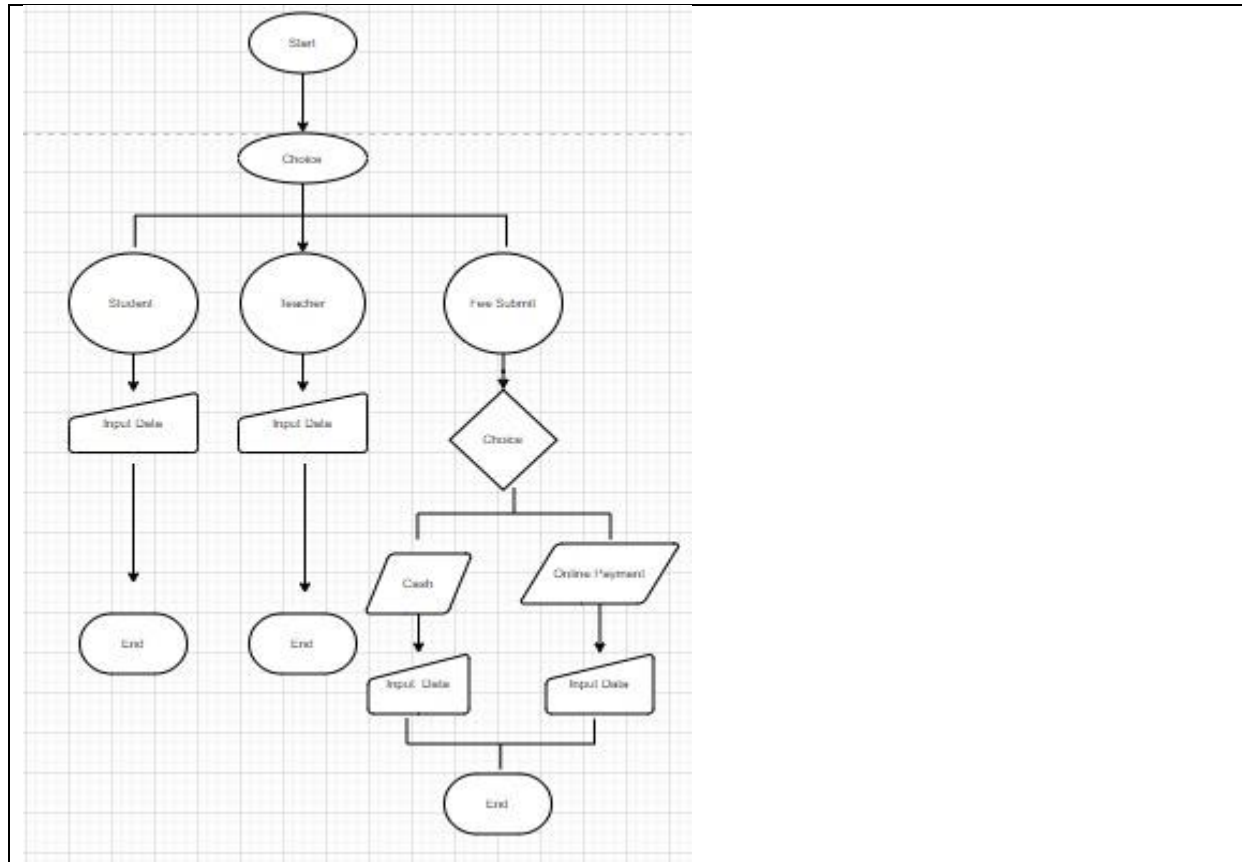
    }

    @Override
    public void teacher(){
        System.out.println("Teacher Name : "+tname);
        System.out.println("Teacher Experience : "+txp);
        System.out.println("Teacher Preferred Class : "+prcl);
        System.out.println("Salary : "+sal);

    }
}

```

Project Design:



Project Implementation/ Marketing:

We can implement this project in Different Schools and this project can be marketed in various Schools for their management system.