

### Software Engineering Department

**Sir Syed University of Engineering & Technology**

**Project Proposal of Object-Oriented Programming**

**Title:**

School Management System

**Group Members:**

Abdul Moiz Chishti (SE-20F-022)

Abdul Moiz Khan (SE-20F-021)

Shaheer Khan Qureshi (SE-20F-003)

Muhammad Talal Moin (SE-20F-016)

**Group Leader:**

Muhammad Talal Moin (SE-20F-016)

**Section:** A

**Teacher**: Miss Zainab Zakir

**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. Al 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:**

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| package schoolmanagementsystem;  /\*\*  \*  \* @author Abdul Moiz Chishti  \*/  public class School implements Student,Teacher,Feesubmit {      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,texp,prcl;  public void teacher(String tname,int texp,int prcl,int sal){  this.tname=tname;  this.texp=texp;  this.prcl=prcl;  this.sal=sal;    }    @Override  public void teacher(){  System.out.println("Teacher Name : "+tname);  System.out.println("Teacher Experience : "+texp);  System.out.println("Teacher Preffered Class : "+prcl);  System.out.println("Salary : "+sal);  } |

**Project Design:**

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| Diagram  Description automatically generated |

**Project Implementation/ Marketing:**

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