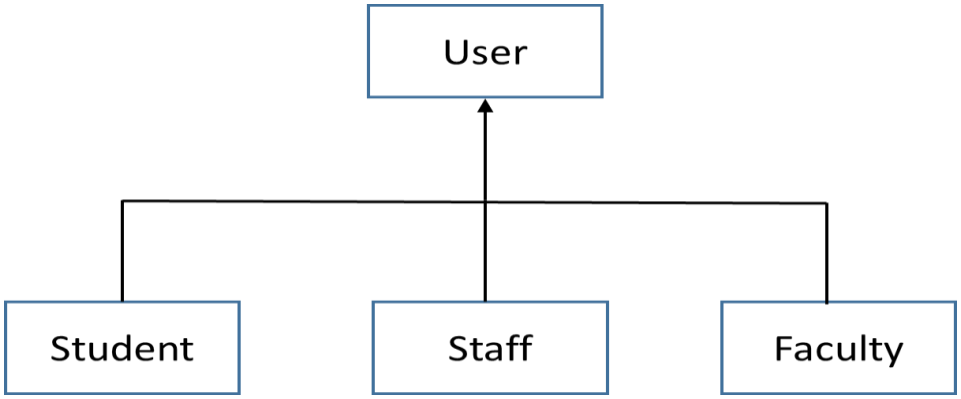
CS 202: IT Workshop I
Assignment VI



User class:

User class will have following attributes: name, dateOfBirth, userID, etc.

Student class:

Student class will have following attributes: rollNumber, semester, cpi, etc.

Staff class:

Staff class will have following attributes: employeeID, sectionName, designation, etc.

Staff will have a method that will check whether designation of two staffs are same or not. [**Hint**: pass object as parameter to the method]

Faculty class:

Faculty class will have employeeID, departmentName, noOfPublications, etc.

Faculty will have a method that will check whether department of two faculties are same or not. [**Hint**: pass object as parameter to the method]

a) Implement the above scenario. You may assume additional instance variables, additional methods, static fields, etc. if needed / to make the application more realistic. Variable type and method return may be assumed as appropriate.

b) Override a method setDetails() to take values to the attributes from keyboard.

c) Override another method showDetails(int birthYear) to display all the information of all the users whose birth year is the given year.

d) Every class should support a parameterized constructor that will set the values to the instance variables of appropriate objects.

e) Create a public class and design a nested menu-driven interface to i) create objects of different classes (Student, Staff, Faculty), ii) display details (based on userID, based on EmployeeID, bithYear), iii) setDetails, etc.

Hint: To handle date related things (e.g. dateOfBirth), you may use additional packages supported by Java.