**Principles of Object Oriented Programming**

**Due date: 28/3/2018**

Write a Java program that manages students’ information in a text file. Initially, the file should contain the information of twenty students entered manually. The structure of the text file is that: Student Name (String single word), Address (String single word), SSN (integer), stno (integer), GPA (double). The program should display a menu in order to allow the user to perform certain operations:

1. **Add a new student**  
   This allows the user to add a new student to the file. Make sure that NO two students have the same ssn nor stno.
2. **Search for a student**  
   This allows the user to search for a student using his/her stno.
3. **Delete student (s)**  
   This allows the user to delete student(s) in the text file. If the user entered the stno as a key, then one student will be deleted. Similarly, if the user entered the student name as a key, this probably may lead to delete multiple students who share that name.
4. **Update Info.**  
   This allows the user to update the information of a student using his/her stno.
5. **Save**  
   This selection stores the students’ into the text file.

**Important notes:**

1. The program initially loads all the students’ information from a file and stores them in an array of objects.
2. All the operations must be made on the array list.
3. Only save option will store the students’ info into a text file.