SUBJECT :   NO :   DATE :   /   /

Class Diagram

ทำไฟล์ StudentList.java

```
class StudentList
// attribute
(Pr) ArrayList <Student> Students;


// constructer + Method

(Pu) StudentList() {
      Students = new ArrayList<Student>();
}

(Pu) void addStudent (Student student) { //add Student to ArrayList
      Students.add (student);
}

(Pu) void removeStudentBystCode ( String stCode ) {
     // remove Student (given stCode) object from ArrayList
      for (int p=0; p< Students.size(); p++){
          if (Students.get(p).GetCode().equals(stCode)){
             Students.remove (p);
          }
      }
}
```

Double A

```java
(Pu) void   showAllStudentInfo () {  // show all of Student
        for (Student All : Students) {
            System.out.println (All);
        }
    }


(Pu) int   searchStudentBystCode (String stCode) {
    // find and return index of Student in ArrayList
        for (int p=0; p< Students.size(); p++) {
            if (Students.get(p).GetCode().equals(stCode)) {
                return p;
            }
        }
        return -1;
    }


(Pu) int   getNumberOfStudent () {  // return number of Student
        int numStudent = Students.size();

        return numStudent;
    }
```