**Bug Report**

Title: The output cannot be displayed

Description: The program run successfully ,however, the output shown as error and has attached in below.

Product: Schedule

Version: 6

Platform: PC

OS: Window 7

Severity: High

Updated: 10/11/2014 reported by Cheng Suk Yin

Assigned to: Cheng Suk Yin

Problem:

Failure from automated test, the timetable cannot be displayed;

The program should accept the input of the course information and generate a suitable timetable and is expected to return as follow:

|  |
| --- |
|  |

However, the output of the program is shown as follow:

|  |
| --- |
| {CS2332={Tutorial=[CS2332-LA1, CS2332-L0A, CS2332-LA3], Lecture=[CS2332-C0A]}, CS3332={Tutorial=[CS3332-T0A, CS3332-T02, CS3332-T03], Lecture=[CS3332-C0A, CS3332-C02]}, CS4321={Tutorial=[CS4321-T0A, CS4321-T02, CS4321-T03], Lecture=[CS4321-C01, CS4321-C0A]}, CS2112={Tutorial=[CS2112-T0A, CS2112-T02, CS2112-T03], Lecture=[CS2112-C0A]}, CS2201={Tutorial=[CS2201-T01, CS2201-T0A, CS2201-T03], Lecture=[CS2201-C0A, CS2201-C02]}, CS2010={Tutorial=[CS2010-T0A, CS2010-T02, CS2010-T03], Lecture=[CS2010-C0A, CS2010-C02]}, CS2205={Tutorial=[CS2205-T01, CS2205-T0A, CS2205-T03], Lecture=[CS2205-C0A]}}  Exception in thread "main" java.lang.OutOfMemoryError: Java heap space  at java.util.Arrays.copyOf(Arrays.java:2245)  at java.util.Arrays.copyOf(Arrays.java:2219)  at java.util.ArrayList.grow(ArrayList.java:242)  at java.util.ArrayList.ensureExplicitCapacity(ArrayList.java:216)  at java.util.ArrayList.ensureCapacityInternal(ArrayList.java:208)  at java.util.ArrayList.addAll(ArrayList.java:561)  at schedule.Schedule.permutateArrayList(Schedule.java:358)  at schedule.Schedule.GeneratePermutations(Schedule.java:376)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381)  at schedule.Schedule.GeneratePermutations(Schedule.java:381) |

Cheng Suk Yin 10/11/2014 21:03

When the program run, the output of is not displayed as expected, after checking with the code, a function is missing in class “**publicstatic**ArrayList<ArrayList<ArrayList<Timeslot>>>GeneratePermutations(ArrayList<ArrayList<ArrayList<Timeslot>>> list)”.

After adding the function “list.remove(0);” ,the timetable can generated successfully.