**COMPUTER PROGRAMMING 2 (OBJECT ORIENTED)**

**MAIN CASE STUDY FINALS**

**ICS 112**

A Case Study

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by

**CRUZ, Jericho Janssen L.**

**CUNANAN, Patrick Bryan F.**

**MACALINO, Brendel Jeorge F.**

**MALONZO, Marc Denzel S.**

**REYES, Raiden Karl Mordecai D.**

**RICO, Maeric Eulex R.**

Submitted to

**Asst. Prof Vergil V. Reyes**

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Problem Description (Main Case Study Problem 2)

6/45 Lottery Ticket Generator

This problem is about making a program that generates a combination of 6 number for a lottery ticket. 1 ticket contains 6 non repeating numbers from the numbers 1 – 45. The user has 2 options, to manually input the number he/she wants, or make the program randomly generate 6 non repeating numbers from 1 - 45.

If the user chooses to manually input the numbers, he/she can click 6 numbers from a 9x5 grid that contains the numbers 1 – 45. After choosing the 6 numbers, the ticket will be generated and will be displayed in the program.

Otherwise, the program will generate 6 non repeating numbers. The program will ask if the user wants to generate again 6 numbers if the user doesn’t want the 6 generated numbers. The program will generate again the numbers if the user does want a new set of numbers. After that, the generated ticket will be displayed in the program.

The combinations produced by either the user or the program will be saved on a text file produced by the program. The combination history can be also be viewed on the program.

Main Case Study Problem 2 Sample Output:



