CS121 - Programming Projects

1 Project Description

We would like you to demonstrate everything you have learned during this course in your final project. It should be a fully-fledged C++ program, written entirely from the scratch by you, satisfying the requirements specified below. We are not forcing you to work on anything specific you can come up with any idea that you want for the final project. Possible ideas include:

1. Games (can be multi- or single-player; no AI needed):

    - 1.X-O;
    - 2.Snake;
    - 3.2048;
    - 4.Ta-canh;
    - 5.Sudoku;
    - 6. Tower of Hanoi!

2. Mathematics

    - 7.Expression evaluation;
    - 8.RSA algorithm;
    - 9.Build big number;

3. Software engineering:

    - 10.Student management systems;
    - 11.Editor program;
    - 12.Library management systems;

2 Requirements

1. You will complete your project from 3rd to 8th week.

2. Your project proposal needs to be approved by the staff first.

3. Your project must make use of all of the following:

    - Class/ structure;
    - Functions;
    - STL (Standard Template Library);