

Concordia University
Department of Computer Science and Software Engineering
SOEN 341 — Software Process
Winter 2007 — Section S
Project Deliverable 1 Description

First Incremental Code Build

You have to deliver and demonstrate some code that implements minimal features for each of the three programs — Game Player, Game Advisor, and Game Generator — associated with Sudoku on a 9-by-9 grid.

The rules of the game are simple: (1) Each row must contain precisely the numbers 1 to 9 without repetition. (2) Each column must contain precisely the numbers 1 to 9 without repetition. (3) Each 3-by-3 subgrid must contain precisely the numbers 1 to 9 without repetition.

The Game Player must allow a user to play a game by entering numbers into squares. The Game Advisor should give a hint as to what number to enter in a square in any given situation. The Game Generator must return a random game of the required difficulty.

For a minimal version of the game, it is sufficient to maintain a small list of games (with their solutions) for each of the categories of difficulty. Come prepared to the presentation. Construct various and appropriate test cases that will demonstrate that your code is effectively achieving its duty.

You have to proceed with a demonstration of your build. The procedure for the reservation of a time slot for your demonstration will be available on the web page. The goal of the demonstration is to effectively demonstrate that you have three minimal programs as described above. The grading scheme of the demonstration is as follows:

Effectiveness and level of preparation of the demonstration	/2
Effective and complete demonstration that the 3 programs are in fact working	/4
Compliance with the above mentioned design constraints	/4
Total	/10

Project Scope and Plan Document

You have to deliver this document following the template provided on the course web page (the Wiki web page, same as for Fall 2006). A detailed grading scheme and instructions are provided in the template.

Evaluation

As stated in the course outline, the code build (1) is worth 3% and the document (2) is worth 7%, for a total of 10% of the final numeric grade.