

CA400 Standard Project

Preface

You have been assigned this standard project because you did not submit a valid project proposal by the deadline. You are now required to complete this standard project.

You are required to make contact with your assigned supervisor and agree a work plan and complete the attached form no later than 5pm Wednesday 31st October 2007.

Project Description

You are required to implement an interactive Sudoku system. At increasing levels of difficulty, this system could do the following:

1. Provide an interface for users to enter numbers into a Sudoku grid. Your system should check each of these numbers to determine whether or not they can be validly placed in the specified square.
2. Provide a solving facility within your system which attempts to solve the Sudoku puzzle from its current state.
3. Automatically generate Sudoku puzzles which are solvable.
4. Provide a grading facility within your system which grades the level of difficulty of given puzzles.

Obviously, some of the above is quite difficult, but you will be awarded marks based on the degree of difficulty of the system which you have implemented.

You may choose any development environment and platform. However, your project must be demonstrated in a School of Computing lab, either on a standard lab machine or your own machine.

*CA400 Project Coordinator
Dr. Geoff Hamilton
ca4project@computing.dcu.ie*

School of Computing Year 4 Project Standard Project

Instructions

You are required to complete this form and return to the CA400 project coordinator no later than 5pm Wednesday 31st October 2007.

SECTION A – To be completed by student

Student Name _____

ID Number _____ Stream _____

I have met my supervisor and agreed a work plan for this project

Signature _____

SECTION B – To be completed by supervisor

The above student has met with me and agreed a work plan

Name _____

Signature _____

Date _____

SECTION C – To be completed by Year 4 project coordinator

Date Received _____

Project Ref. No.