

Final Honour Schools of Computer Science and Mathematics and Computer Science

**Part A Examination 2013
Michaelmas Term 2012**

Notice to Candidates from the Examiners in Computer Science Object Oriented Programming (OOP) take-home assignment

Full particulars of the examinations are given in the *Examination Regulations* 2012, and Examination Conventions for 2013 can be found at

<http://www.cs.ox.ac.uk/teaching/examconventions.html>

Object-Oriented Programming will be examined by a take-home assignment. The assignment may be collected from Brenda Deeley in Room 106 of the Department of Computer Science between 9am and 1pm on Friday 30th November 2012.

Submission of Assignments

The completed assignment is due by 12 noon on Monday 14th January 2013. You should submit your assignment in an envelope, clearly marked with your candidate number (but not your name) and addressed to Chairman of Examiners, FHS Computer Science/Mathematics and Computer Science, Part A. The envelope must be handed in to the Examination Schools, High St., by noon. Assignments that are late by even a few minutes will not be accepted by the Schools staff. Assignments cannot be handed in at the Department of Computer Science, or anywhere else other than at the Examination Schools.

It is best to deliver your answers by hand and in person but, if you cannot do this, then you are strongly advised to use registered post or a courier delivery service.

The OOP take-home assignment will take the form of a mini-project in which you will be required to develop an object-oriented graphical application in Java. This assignment should take three days to complete but you may need additional time for background reading. You should aim to spend no more than three to four days on the assignment overall, excluding preparatory reading.

Although the assignment may be carried out while you are resident in Oxford, it is possible to do some of the work while you are away from Oxford over the Vacation period. Students who wish to complete their assignment away from Oxford should make sure that they have access to a computer, and may wish to ensure they have network access through the VPN to the Department's course material webpages.

Your answer to the assignment should consist of the source code implementing the required functionality, as well as a UML diagram of the classes used in the system. You will be required to submit your solution on a CD in a form that will enable the assessor to compile and start your solution. Provided that your answer correctly implements the required functionality, it will be evaluated mainly based on how well it follows the principles of object-oriented design taught in the course. Ensure that the design is clear, concise, extensible, and elegant. Do not overcomplicate your solution: if in doubt, better err on the side of simplicity rather than complexity. Confusing answers with irrelevant, redundant, or buggy code will be penalised. You are encouraged to use a development environment such as Eclipse to develop your solution, as this is likely to considerably reduce the time needed to solve the problem. If you use such an environment, include the project file into your solution. You will be required to submit your UML diagram in paper form. To ensure that your diagram is legible, consider using a software tool to produce an electronic version of the diagram.

When submitting your assignment you will have to complete a declaration form attesting that it is your own work, except where you have included explicitly acknowledged quotations from other texts. Failure to

acknowledge your sources explicitly and clearly is plagiarism, which is treated as a very serious disciplinary offence. When matters of plagiarism are reported to the Proctors, the investigations can be protracted and serious for the candidate(s) concerned. Penalties imposed can result in the assignment(s) being disregarded, or worse, and this could ultimately mean failure of the degree course. For further guidance, consult the University web site regarding plagiarism <http://www.ox.ac.uk/students/academic/goodpractice/>

You are not allowed to discuss the assignment with your tutor, fellow students, or anyone else. If you suspect there is an actual error or other problem in one of the questions, you should contact the Academic Administrator, who will consult the examiners on your behalf if necessary. Please note that any such queries must be made by 14th December 2012, any queries received after this date will not be considered. Make sure to inform the examiners (through the Proctors) of any extraneous factors (e.g. illness) that may affect you.

Prof. Michael Goldsmith
Chairman of Examiners
Final Honour Schools of Computer Science
and Mathematics & Computer Science
(Michaelmas Term 2012)