

DEPARTMENT OF COMPUTER SCIENCE
COURSEWORK ASSESSMENT SPECIFICATION

MODULE DETAILS:

| | | | |
|----------------|--------------------------------------|-----------|---|
| Module Number: | 08220 | Semester: | 1 |
| Module Title: | Systems analysis, design and process | | |
| Lecturer: | Dr P A Robinson | | |

COURSEWORK DETAILS:

| | | | |
|-------------------------------|---|--------------|---------------------------------|
| Coursework Assessment Number: | 2 | of | 2 |
| Title of Assignment: | Group coursework project | | |
| Format: | Report | Presentation | Program |
| Method of Working: | Group | | |
| Workload Guidance: | Typically, you should expect to spend between | 40 | and 50 hours on this assessment |

PUBLICATION:

| | |
|----------------|------------|
| Date of issue: | 26/10/2007 |
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SUBMISSION:

| | | | |
|--|--|-----------------------------|--|
| ONE copy of this assignment should be handed in via: | White Box | Other (please state method) | |
| Time and date for submission: | | | |
| If multiple hand-ins please provide details (as appropriate): | Part 1: 09:30 Friday 9 th November Part 2: 09:30 Friday 7 th December | | |

The assignment should be handed in no later than the time and date shown above, unless an extension has been authorised on a *Request for an Extension for an Assessment* form which is available from the Office or <http://www.student-admin.hull.ac.uk/downloads/Mitcircs.doc>. The extension form, once authorised by the lecturer concerned, should be attached to the assignment on submission (or given to the lecturer in the case of electronic submission).

MARKING:

| | |
|---------------------|--------------|
| Marking will be by: | Student Name |
|---------------------|--------------|

BEFORE submission, each student must complete the **correct** departmental coursework cover sheet dependant upon whether the assignment is being marked by student number, student name, group number or group name. This is obtainable from the departmental student intranet at <http://intra.net.dcs.hull.ac.uk/sites/home/student/ACW%20Cover%20Sheets/Forms/AllItems.aspx>

ASSESSMENT:

| | | | | |
|----------------------------------|----|--------------|----|-----------------------|
| The assignment is marked out of: | 40 | and is worth | 40 | % of the module marks |
|----------------------------------|----|--------------|----|-----------------------|

ASSESSMENT STRATEGY AND LEARNING OUTCOMES:

The overall assessment strategy is designed to evaluate the student's achievement of the module learning outcomes, and is subdivided as follows:

| LO | Learning Outcome | Method of Assessment {e.g. report, demo} |
|----------|---|---|
| 1 | <i>Analyse a real-world problem</i> | Report 2 |
| 2 | <i>Create a top-level system design</i> | Report 1 |
| 5 | <i>Implement a design</i> | Report 2 and software |
| 8 | <i>Appreciate team working</i> | Report 2 and presentation |

| Assessment Criteria | Contributes to Learning Outcome | Mark |
|-------------------------------|---------------------------------|------|
| Practicality of object design | 2 | 10 |
| Evidence of team working | 8 | 10 |
| Software quality | 5 | 10 |
| Supporting documentation | 1,2,4,5 | 10 |

FEEDBACK

| | | | |
|--|---------------------------|--------------------------------|-----------------------------|
| Feedback will be given via: | Other | Other (please state method) | Verbal during presentations |
| Other feedback (if appropriate) will be given via: | Commented object design | | |
| Feedback will be provided no later than: (please state date, week or month) | Week 11 (verbal feedback) | | |

Questions

If you have any questions regarding this assessment you **MUST** speak to the lecturer as soon as possible.

You are advised to read the **NOTES** regarding Late Penalties, Use of Unfair means and Quality Assurance on the department's student intranet at:

<http://intra.net.dcs.hull.ac.uk/sites/home/student/ACW%20Cover%20Sheets/Forms/AllItems.aspx>

In case of any subsequent dispute, query, or appeal regarding your coursework, you are reminded that it is your responsibility, not the Department's, to produce the assignment in question.

(Assignment details attached)

Group coursework project

Project brief

Your project group represents a small software development company. You have been asked by a local business to develop some software that they can use to manage the workload of their staff. Managers will be able to create new tasks and allocate them to staff, who will then be required to record time spent on each task and progress towards completion. Managers will require regular reports of staff activities.

The software must be delivered to the customer at the end of the project fully tested and ready to operate. A test plan, together with evidence that this testing has been undertaken and passed will be required, as will proper user documentation.

Meeting the customer

Further information can be gathered by arranging a meeting with the company's representative. To arrange a meeting, nominate one of your group as the liaison with the company, and then email your group's customer to arrange a mutually convenient time. Customer contact details are available on the module website. Be sure to quote your group number in all correspondence. Make sure you record details of all meetings with the customer so that you can submit them with your deliverables at the end of the project.

Remember that your customers are busy people. Make sure you are properly prepared before meeting them so that you do not waste your time or theirs. Remember that most queries can easily be answered by email.

Project conduct

This project runs from week 6 to week 11. You will be expected to submit some interim details at the end of week 7, and to give a short presentation and demonstrate your finished software in week 11.

How you organise your group is up to you, but bear in mind that the timescale is short. Work will have to be shared. Tasks will have to happen in parallel. A project plan would be a good idea. You will be working in groups, so some project management is essential. It may be wise to nominate one member of your group to be Project Manager. Note that one of your deliverables is a report on the way in which the group was organised and managed. You will be expected to give details of how tasks were defined, distributed and undertaken.

Consultancy

In week 8 your group may purchase the services of a consultant to offer advice on the design of your software. Making use of this service will cost your group 2% of the marks available for this assignment. If you wish to take advantage of this service, contact Mr Miles (R.S.Miles@hull.ac.uk).

Group problems

Most project groups work together smoothly, but sometimes there are problems. Usually, the problem is one of these two (sometimes it's both, depending on your point of view).

Missing group members

If a member of your group is missing, you should take all reasonable steps to contact him or her, and keep records of all such attempts. What is meant by 'reasonable steps'? Imagine that the missing person owes you £1000. How much effort would you put in to finding him or her? If, despite your best efforts, your group member's absence is persistent, inform Dr. Robinson.

Missing groups

Although your group has a duty to include you in its activities, it is your responsibility and in your own interest to make contact with the rest of your group. Do this as soon as possible, keep trying and keep records of your attempts. If your group really refuses to include you, contact Dr. Robinson.

Project deliverables

The customer wants software that works reliably, delivered on time. The accompanying documentation needs to be clear and simple enough that the software can be used straight away, and comprehensive enough that other system developers in the future can integrate the code with other modules or extend it with more functionality. A high standard of presentation is required. The deliverables are in two parts, *at different times*:

Part 1:

A set of UML class diagrams and use cases for the system, and a brief description (no more than 2 pages) of the organisation of your project group, showing the roles attached to each member. Submission should be on paper, **clearly labelled with your group number**, by 09:30 on Friday 9th November.

Part 2:

The final deliverables for this project will be as follows:

- Your team will be expected to give a short (8 minutes) presentation of your project's management and a demonstration of your software. This will be scheduled in week 11. The presentation should cover aspects of your project such as planning, organization and team management. You should describe the way in which the group was organised, detailing the roles and responsibilities of each member of the group.
- A full electronic copy of any slides used in the presentation.
- Full C# source code for the component
- A standalone executable file for the component
- Documentation for the component, to include user documentation, system documentation, a test plan and a test report

Reports and documentation must be submitted on paper. Copies of all reports, presentation slides and software should be in electronic form on CD. **All submissions must be clearly labelled with your group number.** Submissions must be made by 09:30 on Friday 7th December.

Each *group* will receive a mark for the project. Individual group members will all receive this same mark unless you decide as a group that you wish for different members to receive different marks. If you wish individuals to receive different marks, you may submit (on paper) a suggested percentage of the full mark for each individual. If you do, it must be agreed *and signed* by all members of the group.

Any amendments or additions to this specification will be announced on the module web site at the following URL:

<http://intra.net.dcs.hull.ac.uk/sites/home/student/modules/08220/default.aspx>

You are strongly advised to check the web site regularly.