

ASSIGNMENT BRIEFING FRONT SHEET (2011/12 Academic Year)

Assignment Title	D4: Implementation & Demo for "2012 Staff Access Management System"	Date submitted	12 th March 2012
Module Title	Computer Science Development Exercise	Module Code	5COM0085
Tutor	Vito Veneziano & Lindsay Smith	GROUP or INDIVIDUAL Assignment	GROUP - team size of 4-5 plus some INDIVIDUAL assessment

FOR GROUP ASSIGNMENTS - STUDENTS TO COMPLETE

Group Name/Number (if allocated by module team)

must include team id, e.g. CS99

(Student comments on this assignment can be made on the back of the assignment briefing sheet)

By completing **BOX B** below, we certify that the submission is entirely ours and that any material derived or quoted from the published or unpublished work of other persons has been duly acknowledged. [ref. UPR AS/C/6.1, section 7 and UPR AS/C/5 (Appendix III)].

Please print your forenames and surnames in capitals, provide your; - ID numbers, the study year code (e.g. CS1, ASE1), actual time spent on the assignment and your signatures. By signing the submission you certify that this work represents equal contributions from all team members. If this is not the case, the module leader must be informed before submission.

BOX B

Student Forename (in CAPS please)	Student Surname (in CAPS please)	Student ID Number	Year Code	Actual Time Spent by each Student (hours)	Signature of Student

**This sheet must be submitted with the assignment, signed and either BOX A or B filled in.
LATE SUBMISSION WILL ATTRACT A STANDARD LATENESS PENALTY.**

ASSIGNMENT BRIEFING SHEET

ASSIGNMENT AIMS:

This assignment (Part 3 of a 3-part case study) is designed to give you practice in software engineering techniques. In particular, you will experience some of the technologies and challenges often found in contemporary real-world software development.

The technologies include development platforms, frameworks, web-based architectural design (including MVC), object-oriented design, php, sql, plus html, css, and javascript.

The challenges include:

- teamwork, including leadership & negotiation
- planning, time management, and fixed deadlines
- demonstrating software to a notional “business client” and following a User Acceptance Test script
- coping with a complex (possibly incomplete and inconsistent) brief
- interacting with a client
- reading technical documentation and obtaining technical support from a “software supplier”

MODULE LEARNING OUTCOMES ASSESSED:

- 1) Have an understanding of software development life cycles and different project roles;
- 3) undertake system development activities, particularly program design, using appropriate software engineering techniques, evaluating the appropriateness of these techniques where applicable;
- 4) Communicate with different stake holders using a range of styles and media;
- 5) Work as part of a team and have an appreciation of the issues involved in this.

SUBMISSION REQUIREMENTS:

Read the attached document “D4 Assignment Briefing”. You are required to develop software as specified in this document, demonstrate the software to prove that it works, and deliver a short slide presentation.

1. Software & Slides

Submit as to the STCA Automated Assignment Submission Facility in E350 Foyer by 1200 (noon) on the date shown below.

1. on a CD with your team's name printed on it, all the software and other files for your system, **plus** a soft copy of the presentation slides;
2. printed on A4 paper, your presentation slides and your design documentation;
3. printed on A4 paper, this Assignment Briefing sheet **signed by all team members who contributed**.
You must include your team id - and team name if you have one.

The CD may be used at your team's demonstration (see below). It should contain all your software, both source and executable, and any other files needed for the software to run, including the database pre-loaded with test data. You should copy the complete MoWeS platform onto the CD with your own files.

You should test that your software works on representative PCs in one of the CS labs with Windows 7 and the Firefox web browser (not just on your own PC) before submitting your CD.

As a backup, the key files for your demonstration and presentation must also be posted to your group area of StudyNet (which you may need to create first). You should archive your submission (for example by using winzip or rar) and include a folder with all your code and the database export (i.e. a .sql file including both the table structures and the embedded data) plus a copy of your presentation slides. You should **not** include the MoWeS platform within this backup.

2. Demonstration & Presentation

The demonstration, including the presentation (“demo” for short) is a formal assessment process during which the system you hand in will be tested and the outcome used to award a mark by the examiners (module team staff).

Demos will take place during the weeks beginning 12th, 19th and 26th March 2012. The exact timetable and locations will be published nearer the date, with at least one week's notice given.

Bring with you to the demo:

1. your software, able to run with minimal set-up on one of the lab PCs, e.g. on USB flash memory (although the examiners may ask you to use the software from the submitted CD instead);
2. your presentation, able to be displayed on a PC with minimal set-up;
3. a completed “D4 Roles and Contribution” form (or forms if your team can not agree on one), a blank form is attached to this briefing.

You will be asked to show that your system successfully meets the test criteria given in the accompanying document, using the specified test data. In addition, the examiners may ask you to carry out certain operations using your system, for example by changing the data.

As part of the demo, you should deliver a short (less than 5 minutes) presentation as specified in the attached document.

Each demo should last approximately 20 minutes including the presentation. You can choose who conducts the demo/test of your software and who delivers the presentation. However, please be aware it is required all members attend and contribute to the demo. Any team member may be asked to demonstrate a part of the system and be ready to answer any questions about the assignment.

More Information

Further details are shown in the accompanying document and will be posted on Studynet as necessary. If you have any questions, please post them on the appropriate thread on Studynet discussion.

(Note that, in the scenario given, the software is a prototype system, you are the software house bidding for the contract, and the examiners are the client.)

FEEDBACK FROM THIS ASSIGNMENT

For each team (group):

- the mark – following the published marking scheme (see attached document).
- specific group feedback sheets, plus verbal comments given during the demo
- generic feedback document to be posted on Studynet.

MARKS AWARDED FOR:

See marking scheme in the attached document. There are two parts: group work mark and individual contribution to the group work.

Note that:

1. This is primarily a group-work exercise. The assignment must be completed in pre-arranged teams of 4 or 5 people only, unless you have the prior written consent of the module leader.
2. All team members who contribute must **sign the submission**; no signature will be interpreted as no contribution and hence no marks for that team member. A full signature is required, not just initials.
3. **All team members must attend the demo.** Those who do not attend the demo without the prior written agreement of the module leader will receive no marks for the assignment.
4. All members of the team will receive the same group mark unless the module leader decides there is evidence that this is not merited.
5. With group-work, all team members are expected to make approximately equal contributions and we expect most teams will achieve this goal. However, there will also be an individual assessment: to check that everyone has contributed, and to what extent. The individual contribution is peer-assessed, moderated by the examiners. See the attached document for details.

Note that posting your team's work so it is publicly available, e.g. on Facebook, could be considered an academic assessment offence and hence result in significant penalties for your team.

This assignment is worth % of
the overall assessment for this module. **(group)**
plus % **(individual)**

Typical (hours) required by the
student(s) to complete the assignment.

Date work
handed out

Date to be
handed in
(followed by a demo)

Internal moderator
approval (signature)

Target date for the return of the marked assignment

**Marks Awarded
(% or grade)**

**Marks Awarded (% or
grade) after lateness
penalty**

Late submission will attract
standard lateness penalties

A note to the Students:

1. For undergraduate modules, a score of 40% or above represents a pass mark.
2. For postgraduate modules, a score of 50% or above represents a pass mark.

STUDENT COMMENTS ON THE ASSIGNMENT *(optional- for your continued academic and personal development you are encouraged to review your achievement and reflect on your progress in your studies).*

- What did you do well?
- What could you have done better?
- What would have enabled you to do it better?

MARKER'S COMMENTS *(markers may elect to provide feedback or comments by alternative means on students' submissions, e.g. StudyNet, detailed marking plan, etc.)*