



UNIVERSITY OF GLAMORGAN Assessment Cover Sheet and Feedback Form

All of the relevant sections of Part A and Part B **MUST** be completed by the student and the form submitted with the assignment on or by the required submission date.

Please note that you should always keep a copy of your assignment

PART A: RECORD OF SUBMISSION

Record of Submission and Plagiarism Declaration:

I declare that this assignment is my own work and that the sources of information and material I have used (including the internet) have been fully identified and properly acknowledged as required in the referencing guidelines provided.

You are required to acknowledge that you have read the above statement by writing your student number(s) here:

Student Number:

Module Code:

SY2S21

Module Title:

NAD & SEC

Lecturer:

Gaius Mulley

Assessment Title: Summarising web server log files

Please see the page following PART D of the assessment for the full description of this coursework.

Assignment No. 1**No. of pages submitted in total including this page:****Word Count:****Date Set:** 21 11 2007**Submission Date:** 23 01 2008**Return Date:** 27 02 2008**Details of Submission:**

- *All coursework should be submitted in accordance with the date indicated on the front cover sheet. Hand in during lecture.*
- ***IT IS YOUR RESPONSIBILITY TO KEEP A RECORD OF ALL WORK SUBMITTED.***
- *An electronic copy of your work should be deposited in the 'Drop Box' within the relevant module in Blackboard. This provides you with an electronic receipt of the submission.*
- *Work should also be submitted to the member of academic staff responsible for setting your work (Hand in during lecture).*
- *Work not submitted to the lecturer responsible may, **exceptionally**, be submitted to the reception of the Faculty Office which is on the 2nd Floor of the Rhondda Building (G221) where a receipt will be issued.*

Please note that assignments may only be submitted at the following specific times

*10.00-12.00 and 14.00-16.00 hrs Monday to Thursday
and
10.00-12.00 and 14.00-15.30 hrs Friday*

Please note that no marks will be awarded if the assignment is submitted after the submission date.

This assignment will be marked out of 100%

This assignment contributes to 25% of the total module marks.

This is a non bonded assignment i.e. it is not linked to a particular learning outcome.

Mitigating Circumstances: *If there are any exceptional circumstances which may have affected your ability to undertake or submit this assignment, please make sure you contact the Faculty Advice Shop on 01443 482540 (G221).*

PART B: MARKING & ASSESSMENT

<i>Learning Outcomes</i>		
<p>This assignment addresses the following learning outcomes of the module:</p> <p>(1) Design, develop and maintain scripts</p>		
<i>Hours of Work</i>		Number of Hours
1. Number of hours of work that this assignment should take:		20
2. Please indicate the number of hours actually taken:		
<i>Marking Scheme</i>		Marks Available Marks Awarded
Implementation		60
Additions and docs		40

ASSESSMENT CRITERIA

Performance Level	Criteria
Fail (<40%)	A fail grade will be awarded for an answer which contains major errors and shows little understanding of the issues involved
Pass (40%-49%)	A pass grade will be awarded for an answer which addresses the majority of points with few errors or omissions.
Pass (50%-59%)	An average grade will be awarded for answers which contain no major errors or omissions.
Merit (60%-69%)	A higher mark can be achieved if the work contains no major errors and also contains an analytical answer.
Distinction (70%+)	A high grade will be awarded for work which includes the earlier criteria and contains a high quality analysis of issues from a range of source materials and makes some original contribution on the subject.

PART C: FOR COMPLETION BY THE STUDENT

Proof Reading Please indicate that you have checked the:	Spelling (inc. spell-checking)	Y/N
	Punctuation (inc. correct use of apostrophies)	Y/N
	Paragraphs (NB: one sentence is not a paragraph)	Y/N
	Citations and References (do they correspond?)	Y/N
	Esthetically pleasing typography. (Use of fonts, no widows or orphans etc.)	Y/N

PLEASE ASSESS ASPECTS OF YOUR WORK	For each of the marking criteria, you are required to assess whether you feel that you have completed it:				
	Very well	Well	Adequately	Poorly	Very Poorly
Implementation					
Additions and docs					

Do YOU CONSIDER YOUR WORK WORTH:	70 or more	60-69	50-59	40-49	39 or less
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PART D: MARKER'S FEEDBACK

Lecturer's Comments:

AREAS TO CONCENTRATE ON NEXT TIME:

English	Spelling	Grammar	Punctuation	Paragraphs/Sentances
Layout	Titles	Subtitles	Blank Spaces	Typography
Technical	Citation	Referencing		
Lecture's signature:			Date:	Mark awarded:

All marks are subject to confirmation by the Board of Examiners

It is common for web servers to generate logging information about which files are downloaded and the address of the client performing the download. These log files can become large over time and difficult to analyse by hand. You have two tasks. Firstly produce a python program which will summarise an apache web server log file. Your program should report the total number of successful web server accesses and, if the `-p projectname` option is given then your program should report the number of accesses (in total and as a percentage) under this project. Your program should also include a help summary option and use a `-f` option to indicate which web server log file is to be summarised. For example a system administrator might use your program in the following way:

```
$ ./webscan.py -h
    some help information is emitted
$ ./webscan.py -f access.data
    indicates that the total number of accesses as logged in access.data will be displayed.
$ ./webscan.py -f access.data -p /pipermail
    indicates that the total number of web server accesses are displayed together with the number of web
    server accesses in the pipermail folder.
```

For example if the apache web server log file contained the following [contents](http://floppsie.comp.glam.ac.uk/Glamorgan/gaius/scripting/tiny.data) then the output from your script would report the following details:

```
$ ./webscan.py -f access.data
Total number of accesses: 6
$ ./webscan.py -f access.data -p /pipermail
Total number of accesses: 6
Number of accesses in pipermail: 3 (50%)
Number of successful accesses to pipermail: 1 (16%)
```

You should test your script using the tiny example above. For a more extensive test you can use this [example](http://floppsie.comp.glam.ac.uk/Glamorgan/gaius/scripting/access.data) apache web log file.

For the second component of this coursework you must provide documentation for your script and describe any additions you might consider useful. The script documentation should be a detailed commentary of your program. You should also provide testing evidence. The total commentary and improvement discussion should not exceed 1500 words.

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2008

INTERNAL MARKING MODERATION FORM

COURSEWORK DETAILS

Module Code: SY2S21

Module Title: NAD & SEC

Coursework Title: Summarising web server log files

Date of Issue: 21 11 2007

Submission Date: 23 01 2008

Module Leader and Lecturer: Gaius Mulley

Percentage contribution to final mark: 25%

MODERATORS COMMENTS

Checklist: Conformity with standard frontsheet (Yes)

Student instructions including outline marks per section (Yes)

Appropriate marking schemes (Yes)

Level/Academic standard of work (Yes)

Module outcomes are being assessed (Yes)

Appropriate time to complete (Yes)

General Comments:

Coursework looks to be interesting and of an appropriate standard.

Internal Moderator: Colin Morris

Signature of Moderator:

Date: 19 11 2007

Response and Action to Moderators Comments:

Thank you

Signature of examiner: Gaius Mulley

Date: 19 11 2007

Final Signature of Internal Moderator:

Date: 19 11 2007

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2008

EXTERNAL EXAMINER COURSEWORK MODERATION FORM

COURSEWORK DETAILS

Module Code: SY2S21

Module Title: NAD & SEC

Coursework Title: Summarising web server log files

Date of Issue: 21 11 2007

Submission Date: 23 01 2008

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Percentage contribution to final mark: 25%

EXTERNAL EXAMINER'S COMMENTS

Signature of External Examiner:

Date:

Response by Examiner to External Examiners Comments:

Signature of Examiner:

Date:

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2008

INTERNAL MARKING MODERATION FORM

Module Code: SY2S21

Module Title: NAD & SEC

Module Leader: Gaius Mulley

Assessment: Coursework 1 (25%)

MODERATORS COMMENTS

Sampling undertaken: Yes

Scripts sampled: 10

Scripts in total: 62

General Comments: Fine

Checklist: **Scripts marked to outline marks per section** (Yes)
Level of marking appropriate (Yes)

Moderator: Colin Morris

Signature of Moderator:

Date: 27 02 2008

Response and Action to Moderators Comments:

ok, thank you

Signature of Module Leader:

Date: 27 02 2008

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2008

EXTERNAL MARKING MODERATION FORM

EXTERNAL EXAMINER'S COMMENTS

Examiner:

Signature of Examiner:

Date: