



# 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:**

SY3H02

**Module Title:**

OS and concurrent programming

**Lecturer:**

Gaius Mulley

**Assessment Title:** Clientlib

During lectures we have covered client and server programming in both C and Python. Python's socket library allows the software engineer to create client and server programs with minimal lines of code. This coursework will create a *client* library (`clientlib`) which provides a high level interface to client side Internet TCP sockets.

Your task is to use the `clientlib.h` header file as the specification and complete the implementation of `clientlib.c` as discussed during lectures. You should test your library using the `testlib.c` code as given during tutorials and lectures.

Finally you must write a report which includes all your code and you should provide a line by line commentary for each line of code. You must also include a section in your report which discusses future improvements.

## Assignment No. 1

No. of pages submitted in total including this page:

Word Count:

Date Set: 26 02 2008

Submission Date: 18 03 2008

Return Date: 06 05 2008

### Details of Submission:

- *All coursework should be submitted in accordance with the date indicated on the front cover sheet. Hand in at start of 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.*
- However you **must** only submit **pdf** versions to the 'Drop Box' *all other file formats will be ignored by the lecturer. One method to generate a pdf version is to open up a MS Word document in OpenOffice and export as pdf.*
- Work should also be submitted to the member of academic staff responsible for setting your work (Hand in at start of 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 45% 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

<b><i>Learning Outcomes</i></b>		
This assignment addresses the following learning outcomes of the module:		
<b><i>Hours of Work</i></b>		<b>Number of Hours</b>
1. Number of hours of work that this assignment should take:		25
2. Please indicate the number of hours actually taken:		
<b><i>Marking Scheme</i></b>		<b>Marks Available</b> <b>Marks Awarded</b>
Implementation and commentry		60
Suggested improvements		40

### ASSESSMENT CRITERIA

<b>Performance Level</b>	<b>Criteria</b>
Fail (<40%)	A fail grade will be awarded for an answer which contains major errors and shows little understanding of the issues involved
Third (40%-49%)	A pass grade will be awarded for an answer which addresses the majority of points with few errors or omissions.
2:2 (50%-59%)	An average grade will be awarded for answers which contain no major errors or omissions.
2:1 (60%-69%)	A higher mark can be achieved if the work contains no major errors and also contains an analytical answer.
First (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**

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

<b>PLEASE ASSESS ASPECTS OF YOUR WORK</b>	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 and commentry					
Suggested improvements					

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

**Lecturer's Comments:**

**AREAS TO CONCENTRATE ON NEXT TIME:**

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

***All marks are subject to confirmation by the Board of Examiners***