Department of Computer Science

Summative Coursework Set Front Page

Module Title: Portfolio
Module Code: CS1PC20
Lecturer responsible: Pat Parslow
Type of Assignment (coursework / online test): coursework
Individual / Group Assignment: Individual
Weighting of the Assignment: 10%
Page limit/Word count: approx. 2 sides of notes, compiled in to multi-page report
Expected hours spent for this assignment: 10 hours of lab time with support. 2 minutes to submit URL on Blackboard, tops.

Items to be submitted: URL of CSGitLab project
Work to be submitted on-line via Blackboard Learn by: 1st Nov, noon (12:00)
Work will be marked and returned by: 22nd Nov

NOTES

By submitting this work, you are certifying that it is all your sentences, figures, tables, equations, code snippets, artworks, and illustrations in this report are original and have not been taken from any other person's work except where explicitly the works of others have been acknowledged, quoted, and referenced. You understand that failing to do so will be considered a case of plagiarism. Plagiarism is a form of academic misconduct and will be penalised accordingly. The University's Statement of Academic Misconduct is available on the University web pages.

If your work is submitted after the deadline, *10%* of the maximum possible mark will be deducted for *each* working day (or part of) it is late. A mark of zero will be awarded if your work is submitted more than 5 working days late. You are strongly recommended to hand work in by the deadline as a late submission on one piece of work can impact on other work.

If you believe that you have a valid reason for failing to meet a deadline then you should complete an Extenuating Circumstances form and submit it to the Student Support Centre *before* the deadline, or as soon as is practicable afterwards, explaining why.

1. Assessment classifications

First Class (>= 70%)	Report generated through doxygen submitted, with details of each weeks' exercises, source code, and answers to questions, demonstrating ability to follow the instructions.
Upper Second (60-69%)	As for a first, but possibly with some elements missing.
Lower Second (50-59%)	As for an Upper Second, but possibly with some more elements missing.
Third (40-49%)	Only about half of the instructions have been fulfilled.
Pass (35-39%)	Lacking in completed elements.
Fail (0-34%)	Largely incomplete.

2. Assignment description

Follow the instructions in the weekly exercise sheets, supported in the lab sessions. You will produce a portfolio of small programs, demonstrating your ability to follow instructions, and a set of contemporaneous notes which illustrate your ability to think about what you are doing, try it out, and record the results.

You will also have to answer two questions, and include these in the report that the week 5 exercise guides you through generating.

You should use extra time if you have struggled to complete the exercises in the allotted lab sessions. You should not use more than about 3 hours per week (taking the total for the module to about 6 hours a week)

Additional information

Videos of week 1 to 4 exercises being done are provided. Exercise sheets detail everything you need to do. Help is available in the lab sessions, and through Teams and/or email.

3. Assignment submission requirements

The URL of that project repository submitted on Blackboard (e.g. https://csgitlab.reading.ac.uk/xu345987/cs1pc20_portfolio

Front page of the submission

(*the following are compulsory)*

Module Code: CS1PC20

Assignment report Title: Portfolio

Student Number (e.g. 25098635):

Date (when the work completed):

Actual hrs spent for the assignment:

Assignment evaluation (3 key points):

Content of the required work

A portfolio of code, and contemporaneous logs of lab sessions, plus answers to the 2 questions given here (a short paragraph for each), compiled in to a PDF report using the doxygen tool, all synchronised to your CSGitLab account in a project called cs1pc20_portfolio

Question 1

Why is it important to consider creating code libraries rather than writing your whole program in one single file?

Question 2

What does the #include compiler directive do, and why are the .h files sometimes referred to as defining the 'interface'?

4. Marking scheme

For each week's log being mostly complete: 1 mark (capped at 5)

For each week's exercise being mostly complete: 1 mark (capped at 5)

For each question answered: Up to 1 mark, based on reasoned approach to the answer. (capped at 2)

Capped at 10 marks out of 10.