C Programming Assignment 1: Marking Form

Marker: Mat   **Total Mark**   25

Student's Exam Number(begins with 'Y'): Y99

Date: 17/05/12   **Lateness**

Enter numerical mark in marks column (not a tick or other symbol)

Requirements

Is there one?	1 Mark	1
Are the requirements complete?	1 Mark	0
Total	2 Marks	1

Analysis

Is there one?	1 Mark	0
Does it expand on the requirements?	1 Mark	0
Does it treat the problem as a black box?	1 Mark	1
Does it identify the user?	1 Mark	1
Analysis of inputs (units and range)?	2 Marks	1
Analysis of outputs (units and range)?	2 Marks	1
Analysis of known processes/algorithms?	2 Marks	2
Total	10 Marks	6

Specification

Is there one?	1 Mark	0
Does it use analysis to build on requirements?	1 Mark	1
Is it split into mandatory/optional specifications?	1 Mark	0
Total	3 Marks	1

Design

Is there one?	1 Mark	1
Is there a complete user interface design?	2 Marks	1
Does it document expected inputs?	2 Marks	2
Does it document expected outputs?	2 Marks	1
Does the design follow a structured approach?	3 Marks	1
Is the structure represented in a diagram?	2 Marks	1
Is the problem broken down into functions?	2 Marks	2
Are the functions properly documented (table)?	3 Marks	2
Input/output parameters with types		
Are all variables documented?	3 Marks	3
Expected value ranges and types		
Are all algorithms documented?	3 Marks	2
Pseudo-code, flowchart or similar		
Are there explanations for all tables/figures?	2 Marks	1
Total	25 Marks	17

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Implementation Report

Is there one?	1 Mark	
Does it document the program (file) structure?	1 Marks	
Does it document (and justify) design changes?	1 Marks	
Total	3 Marks	

Code Listing

Is there one?	1 Mark	
Is there appropriate use of structures?	3 Marks	
Is it well commented?	2 Marks	
Is it well laid out?	2 Mark	
Does it use #defines?	1 Mark	
Does it use header files?	1 Mark	
Does it match the design?	1 Mark	
Does it use functions well?	3 Marks	
Are function/variable names well chosen?	3 Marks	
* Use of global variables	-2 Marks	
* Hard coded numeric values (e.g. Coordinates)	-2 Marks	
Total	17 Marks	

Testing and Verification

Is there one?	1 Mark	
Is the testing strategy documented and justified?	1 Mark	
Are all test input data presented?	1 Mark	
Are all test results presented?	1 Mark	
Is the coverage of the testing strategy discussed?	1 Mark	
Total	5 Marks	

User Manual

Is there one?	1 Mark	
Is there a preparatory introduction?	1 Mark	
Are there instructions on installation?	1 Mark	
Is there a discussion of system/user requirements?	1 Mark	
Is the language/style appropriate?	1 Mark	
Is there example input?	1 Mark	
Is there (a discussion of) example output?	1 Mark	
Total	7 Marks	

Maturity, Consistency, Presentation and Innovation

Is it reasonably concise (e.g. not having unnecesary C code)?	3 Marks	
Is it mature in style?	3 Marks	
Are the reports well presented (contents page, sections, etc.)?	2 Marks	
Is there innovation and sophistication?	5 Marks	
* Fails to meet assignment requirements	-2 Marks	
Total	13 Marks	

Demonstration

Transcribed Mark	15 Marks	