C Programming Assignment 1: Marking Form

Marker: *Total Mark* [   ]
Student's Exam Number(begins with 'Y'):
Date: *Lateness* [   ]

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

Requirements

Is there one?	*1 Mark*	[ ]
Are the requirements complete?	*1 Mark*	[ ]
Total	*2 Marks*	[ ]

Analysis

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

Specification

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

Design

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

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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	