

2018 Project log

A-level Computer Science (7517) Computing Practical Project  
(7517/C)

**Please attach a copy of this form securely to the front your candidate's work.**

<b>Centre number</b>	<b>Centre name</b>
<b>Candidate number</b>	<b>Candidate's full name</b>

### **Section one - the project**

To be completed by the candidate and returned to the teacher for approval before the project is started Project title

To be completed by the teacher:

From the given description the project is at a standard required for A-level Yes/No

### **Section two – project assessment**

To be completed by the teacher

<b>Analysis</b>			
<b>Level</b>	<b>Criteria</b>	<b>Mark</b>	<b>Comments/evidence</b>

Analysis		
3	<p>Fully or nearly fully scoped analysis of a real problem, presented in a way that a third party can understand. Requirements fully documented in a set of measurable and appropriate specific objectives, covering all required functionality of the solution or areas of</p>	<p>7-9</p>

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## Analysis

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scoped analysis (but with some omissions that are not serious enough to undermine later design) of a real problem. Most, but not all, requirements documented in a set of, in the main, measurable and appropriate specific objectives that cover most of the re-

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4-6

Analysis		
1	<p>Partly scoped analy- sis of a prob- lem. Requirements partly docu- mented in a set of spe- cific objec- tives, not all of which are mea- sur- able or ap- pro- priate for devel- oping a solu- tion. The re- quired func- tion- ality or areas of inves- tiga- tion are only partly ad- dressed. Some at-</p>	<p>1-3</p> <p>4</p>

<b>Analysis</b>			
	No evi- dence pre- sented	0	<b>Mark awarded:</b>
<b>Documented de- sign</b>			
<b>Level</b>	<b>Criteria</b>	<b>Mark</b>	<b>Comments/evidence</b>

Documented de- sign		
4	Fully or nearly fully artic- u- lated de- sign for a real prob- lem, that de- scribes how all or al- most all of the key as- pects of the solu- tion/investigation are to be struc- tured/are struc- tured.	10-12

Documented de- sign		
3	Adequately artic- u- lated de- sign for a real prob- lem that de- scribes how most of the key as- pects of the solu- tion/investigation are to be struc- tured/are struc- tured.	7-9

Documented de- sign		
2	Partially artic- u- lated de- sign for a real prob- lem that de- scribes how some as- pects of the solu- tion/investigation are to be struc- tured/are struc- tured.	4-6



Documented de- sign		
1	<p data-bbox="657 520 860 1911">Inadequate articulation of the design of the solution so that it is difficult to obtain a picture of how the solution/investigation is to be structured/is structured without resorting to looking directly at the programmed solution.</p>	<p data-bbox="885 489 933 520">1-3</p>

<b>Documented de- sign</b>			
	No evi- dence pre- sented	0	<b>Mark awarded:</b>
<b>Technical solu- tion — com- plete- ness</b>			
<b>Level</b>	<b>Criteria</b>	<b>Mark</b>	<b>Comments/evidence</b>

Technical solu- tion — com- plete- ness		
3	A sys- tem that meets al- most all of the re- quire- ments of a solu- tion/an inves- tiga- tion (ig- nor- ing any re- quire- ments that go be- yond the de- mands of A- level).	11-15

Technical solu- tion — com- plete- ness		
2	A sys- tem that achieves many of the re- quire- ments but not all. The marks at the top end of the band are for sys- tems that in- clude some of the most im- por- tant re- quire- ments.	6-10

Technical solution – completeness			
1	A system that tackles some aspects of the problem or investigation.	1-5	
	No evidence presented	0	Mark awarded:

## NOTES:

Completeness is not only about how well a solution meets the objectives set by the student but also what an expected technical solution might perform for this particular project.

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Technical  
solu-  
tion  
–  
tech-  
niques  
used

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Level	Criteria	Mark	Comments/evidence
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Technical solu- tion — tech- niques used		
1	<p>The tech- niques used demon- strate a level of tech- nical skill equiv- alent to those listed in Group C in <b>Ta- ble 1.</b> Program(s) demon- strate(s) that the skill re- quired for this level has been ap- plied suffi- ciently to demon- strate profi- ciency.</p>	<p>1-9</p> <p>17</p>

<b>Technical solution – techniques used</b>			
	No evidence presented	0	<b>Mark awarded:</b>

## NOTES:

The mark to be awarded, within the level, should be decided upon using these factors:

1. The extent to which the criteria for the level have been achieved
2. The quality of the coding style that the student has demonstrated
3. The effectiveness of the solution.

It would be beneficial for these to also be referred to in the comments/evidence section. Table 1 referred to is on pages 95-96 of the specification (version 1.4 December 2016) Continue on a separate sheet if necessary

<b>Testing</b>			
<b>Level</b>	<b>Criteria</b>	<b>Mark</b>	<b>Comments/evidence</b>

Testing		
4	<p>Clear evidence, in the form of carefully selected representative samples, that thorough testing has been carried out. This demonstrates the robustness of the complete or nearly complete solution/thoroughness of investigation and that the requirements of the solu-</p>	7-8

Testing		
3	<p>Extensive testing has been carried out, but the evidence presented in the form of representative samples does not make clear that all of the core requirements of the solution/investigation have been achieved. This may be due to some key aspects not being tested or be-</p>	5-6

Testing		
2	<p>Evidence in the form of representative samples of moderately extensive testing, but falling short of demonstrating that the requirements of the solution/investigation have been achieved and the solution is robust/investigation thorough. The evidence presented is explained.</p>	3-4
	21	

Testing		
1	<p>A small number of tests have been carried out, which demonstrate that some parts of the solution work/some outcomes of the investigation are achieved. The evidence presented may not be entirely clear.</p>	1-2

Testing			
	No evi- dence pre- sented	0	Mark awarded:
Evaluation			
Level	Criteria	Mark	Comments/evidence

Evaluation		
4	Full consideration given to how well the outcome meets all of its requirements. How the outcome could be improved if the problem was revisited is discussed and given detailed consideration. Independent feedback obtained of a useful and realistic nature, evalu-	4



Evaluation		
3	Full or nearly full consideration given to how well the outcome meets all of its requirements. How the outcome could be improved if the problem was revisited is discussed but consideration given is limited. Independent feedback obtained of a useful and realistic	3

Evaluation		
2	<p>The outcome is discussed but not all aspects are fully addressed either by omission or because some of the requirements have not been met and those requirements not met have been ignored in the evaluation. No independent feedback obtained or if obtained</p>	2

Evaluation			
1	Some of the outcomes are assessed but only in a superficial way. No independent feedback obtained or if obtained is so basic as to be not worthy of evaluation.	1	
	No evidence presented	0	Mark awarded:

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**Total mark /75**

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**Concluding comments:**

**Signed: Date:**

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