**Software Development   
SAT Part 2 – 2016**

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| **Checklist** |

You need to complete the following tasks

1. Create your software solution
2. Prepare Testing and evaluation report
3. Prepare Project Plan evaluation report

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| **Breakdown of tasks** |

1. Create your software solution   
   This relates to

* Criteria 5 ***(Skills in organising and managing data and files)***
* Criteria 6 ***(Skills in using a programming language to develop a software solution that meets specific needs or opportunities)***

Criteria 5 – Software Solution, your software solution needs to

* Use data structures i.e. Arrays, Records (database), Variables
* Have security i.e. login, file security (database)
* Good file management procedures such as, appropriate file size and type, file name(s)/structure, file directory structure

Criteria 6 – Software Solution, your software solution needs to

* Select and use range of relevant processing features i.e. a search, a sort, a calculation
* Conform to coding conventions i.e. use of Hungarian notation, Camel Case formatting, use of prefixes
* Logical and relevant comments in the code

1. Testing and evaluation report (need to develop this)  
   This relates to

* Criteria 7 ***(Skills and strategies for testing and evaluating a software solution to meet specific needs or opportunities)***

The Testing and evaluation report will be a three-part report. The report will need to include

*Part one – Testing and test data*

* Describe and display all test data this will also need to include evidence of use of a trace table

*Part two – Usability report*

* Include the useability test report (need to develop this)

*Part three – Evaluation*

* Document all modifications that were made to the solution as a result of usability test
* Discussion of evaluation strategies used and their relationship with the developed evaluation criteria
* Discussion of how features of the solution meet both functional and non-functional requirements

1. Project Plan evaluation report (need to develop this)  
   This relates to

* Criteria 8 ***(Understanding of strategies for assessing the effectiveness of the project plan in monitoring progress)***

The Project Plan Report will need to be a written report in conjunction with the project management plan. The report will need to include

* All adjustments to the initial plan (as submitted at the end of SAT pt. 1) including all annotations, insertions etc.
* A discussion of the set of strategies used to assess the usefulness of the project plan i.e. evaluation criteria, progress recording, blog/journal entries
* A discussion of the usefulness of the initial plan and all adjustments made during the lifetime of the development of the project