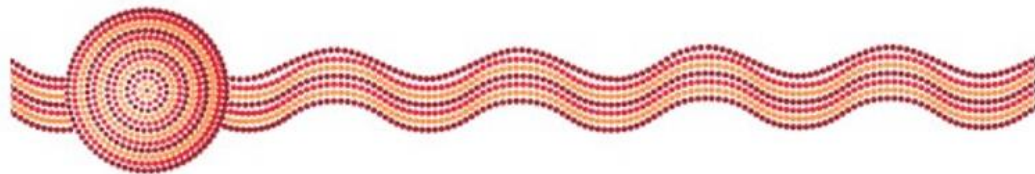# VCE Software Development School-assessed Task 2024

Video 4
Authentication

Acknowledgement of Country

The VCAA respectfully acknowledges the Traditional Owners of Country throughout Victoria and pays respect to the ongoing living cultures of First Peoples.

VCE Software Development School-assessed Task 2024

Video 4
Authentication

Phil Feain

Digital Technologies Curriculum Manager

VCAA

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Outline of presentation

- Authentication
- Authentication record forms
- Using the Authentication record forms
- Example of the use of the Authentication record forms

Authentication

Teachers are reminded of the need to comply with the authentication requirements specified in the Assessment: School-based Assessment section of the VCE Administrative Handbook 2024. This is important to ensure that 'undue assistance [is] not … provided to students while undertaking assessment tasks'.

Teachers must be aware of the following requirements for the authentication of VCE Applied Computing: Software Development School-assessed Task.

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Authentication

1. The body of work created for the SAT is based on work developed and completed in Unit 3 Outcome 2 and Unit 4 Outcome 1.

2. Teachers are required to fill out the Authentication record form and provide the student with feedback on their progress at each observation.

3. Undue assistance should not occur at any time during the development of the body of work, and teachers need to be vigilant. Students are required to demonstrate development of their thinking and working practices. Teachers are reminded that it is not appropriate to provide 'detailed advice on, corrections to, or actual reworking of students' work'.

Authentication

4. Teachers must sight and monitor the development and documentation of the student's thinking and working practices throughout the unit to authenticate the work as the student's own. Students must acknowledge the source of materials and information used to support the development of their work.

5. Students should be encouraged to complete their work at school. Where students use external service providers, their documentation should demonstrate ongoing progress throughout the SAT.

Authentication

6. During the generation of the software solution, teachers must plan and use observations of student work in order to monitor and record each student's progress as part of the authentication process. Teachers must ensure that all source and reference material, all use of non-school (home, outsourced) resources and any external assistance (for example, tutors) are acknowledged on the Authentication record form. If a student acknowledges using external resources or receiving external assistance, the teacher should record complete details as an attachment to the Authentication record form.

7. Teachers are reminded that the authentication procedures must be followed for all student work in relation to this SAT. The School-based Assessment Audit includes the inspection of Authentication record forms.

Unit 3 Authentication record form

Authentication record form: VCE Applied Computing: Unit 3 Software Development SAT 2024

This form must be completed by the class teacher. It provides a record of the monitoring of the student's work in progress for authentication purposes. This form is to be retained by the school and filed. It may be collected by the VCAA as part of the School-based Assessment Audit.

Student name .... Student No ☐☐☐☐☐☐☐☐☐☐

School .... Teacher: ....

Component of School-assessed Task	Date observed and submitted	Teacher comments	Teacher's initials	Student's initials
Observation 1: Identification of need or opportunity The student has identified/has documented a real-world need or opportunity that can be solved as a software solution. The teacher has approved or not approved the need or opportunity.	Observed	Observation of need or opportunity		
	Submitted	Submission of need or opportunity		
Observation 2: Preparation of a project plan (Criterion 1) The student is preparing/has prepared a Gantt chart for both parts of the SAT (Unit 3 Outcome 2 and Unit 4 Outcome 1).	Observed	Observation of the development of the project plan		
	Submitted	Submission of project plan		
Observation 3: Development model (Criterion 2) The student has selected and is documenting/has documented the use of an appropriate development model.	Observed	Observation of the documenting of the development model		
	Submitted	Submission of the development model		
Observation 4: Collection of data (Criterion 3) The student has identified appropriate data and data collection methods for analysis and development of the software requirements specification.	Observed	Observation of the collected data		
	Submitted	Submission of collected data		
Observation 5: Development of a software requirements specification (part of Criterion 3; Criterion 4) The student is documenting/has documented the analysis in the form of a software requirements specification with the inclusion of analytical tools.	Observed	Observation of the development of the software requirements specification		
	Submitted	Submission of the software requirements specification		
Observation 6: Design folio (Criterion 5) The student is developing/has developed a folio of design ideas, evaluation criteria and their preferred detailed design.	Observed	Observation of the development of designs		
	Submitted	Submission of design folio		

I declare that all resource materials and assistance used have been acknowledged and that all unacknowledged work is my own.

Student signature .... Date ....

Unit 4 Authentication record form

Authentication record form: VCE Applied Computing: Unit 4 Software Development SAT 2024

This form must be completed by the class teacher. It provides a record of the monitoring of the student's work in progress for authentication purposes. This form is to be retained by the school and filed. It may be collected by the VCAA as part of the School-based Assessment Audit.

Student name ....   Student No [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

School ....   Teacher: ....

Component of School-assessed Task	Date observed and submitted	Teacher comments	Teacher's initials	Student's initials
Observation 7: Development of the software solution (Criterion 6 and 7) The student is developing/has developed and tested the software solution.	Observed	Observation of the development of the software solution		
	Submitted	Submission of the software solution		
Observation 8: Usability testing (Criterion 8) The student is preparing and conducting/has prepared, conducted and documented the results of the usability tests.	Observed	Observation of the preparation of usability testing		
	Submitted	Submission of usability testing		
Observation 9: Evaluation of the software solution and development model (Criterion 9) The student is documenting/has documented the evaluation of the software solution and the development model.	Observed	Observation of the development of the evaluation		
	Submitted	Submission of the evaluation		
Observation 10: Assessment of the project plan (Criterion 10) The student is documenting/has documented the assessment of the project plan.	Observed	Observation of the development of the assessment of the project plan		
	Submitted	Submission of the assessment of the project plan		

I declare that all resource materials and assistance used have been acknowledged and that all unacknowledged work is my own.

Student signature .... Date ....

Using the Authentication record forms

- Regularly observe student work during the life of the SAT
    - some teachers use one class a week to do this formally
    - use the VCAA Authentication record form and update with comments from observations as you go – **these can be requested** as part of the audit process
    - both you and the student are to sign and date your initials for each observation at the time of the observation
- Have an idea of how many marks a student has achieved for each criterion when making an observation – keep a record of this for yourself only – you should have an idea of a score for students if work is lost or not submitted on time.
- Ensure a student's work is their own – they are to sign and date the declaration at the bottom of each Authentication record form.

An example

Authentication record form: VCE Applied Computing: Unit 3 Software Development SAT 2024

This form must be completed by the class teacher. It provides a record of the monitoring of the student's work in progress for authentication purposes. This form is to be retained by the school and filed. It may be collected by the VCAA as part of the School-based Assessment Audit.

Student name ....   Student No [ ][ ][ ][ ][ ][ ][ ][ ][ ]

School ....   Teacher: ....

Component of School-assessed Task	Date observed and submitted	Teacher comments	Teacher's initials	Student's initials
Observation 1: Identification of need or opportunity The student has identified/has documented a real-world need or opportunity that can be solved as a software solution. The teacher has approved or not approved the need or opportunity.	Observed 08 Mar 2024	Observation of need or opportunity *The student has commenced identifying a real world need for a software solution. They have evidence of interviews with clients. Some documentation of ideas has been presented.*	$&	&&
	Submitted 15 Mar 2024	Submission of need or opportunity *The student has identified a real world need for a software solution. Documentation of their ideas was presented and submitted as well as a plan to show how they were going to attempt each criterion. The teacher has approved the need.*	$&	&&
Observation 2: Preparation of a project plan (Criterion 1) The student is preparing/has prepared a Gantt chart for both parts of the SAT (Unit 3 Outcome 2 and Unit 4 Outcome 1).	Observed 22 Mar 2024	Observation of the development of the project plan *The student has begun preparing a draft Gantt chart in MS Project. They have identified all stages of the PSM and some of the activities. Many tasks with time allocations have been documented. Some sequencing, milestones and dependencies are missing.*	$&	&&
	Submitted 28 Mar 2024	Submission of project plan *The student has submitted a Gantt chart for Unit 3 Outcome 2 and Unit 4 Outcome 1 using MS Project and submitted as a hard copy and as a soft copy.*	$&	&&

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An example

Observation 3: Development model (Criterion 2) The student has selected and is documenting/has documented the use of an appropriate development model.	Observed 22 Mar 2024	Observation of the documenting of the development model *The student has documented each of the development models by drawing diagrams and making some notes against the PSM. Has not selected the development model to follow.*	$&	&&
	Submitted 28 Mar 2024	Submission of the development model *The student has submitted a written report that documents the selected development model approach and a justification for the choice of the model. The written report was submitted as a hard copy and as a soft copy.*	$&	&&
Observation 4: Collection of data (Criterion 3) The student has identified appropriate data and data collection methods for analysis and development of the software requirements specification.	Observed 19 Apr 2024	Observation of the collected data *The student has documented a number of clients in which they will communicate with to collect data for the development of the software requirements specification. The student has written a number of questions to ask clients and they have commenced determining what would be required for the context diagrams, data flow diagrams and use case diagrams.*	$&	&&
	Submitted 26 Apr 2024	Submission of collected data *The student has submitted a written report that documents the data collected using a range of data collection methods and techniques. This will inform the use of analytical tools and development of the SRS. The written report was submitted as a hard copy and as a soft copy.*	$&	&&

An example

Observation 5: Development of a software requirements specification **(part of Criterion 3; Criterion 4)** The student is documenting/has documented the analysis in the form of a software requirements specification with the inclusion of analytical tools.	Observed *03 May 2024*	Observation of the development of the software requirements specification *The student has commenced drawing the context diagram, data flow diagram and use case diagram. Not all appropriate features and relationships have yet been identified. Commencement of the SRS has begun with a range of functional and non-functional requirements listed as well as some constraints. There is a brief mention of the technical environment.*	$&	&&
	Submitted *10 May 2024*	Submission of the software requirements specification *The student has submitted a software requirements specification that documents the use of analytical tools, requirements, constraints, scope, technical environment and intended audience. Evidence of critical and creative thinking has been provided within a portfolio. The SRS was submitted as a hard copy and as a soft copy.*	$&	&&
Observation 6: Design folio **(Criterion 5)** The student is developing/has developed a folio of design ideas, evaluation criteria and their preferred detailed design.	Observed *17 May 2024*	Observation of the development of designs *The student has generated two design ideas for the development of their software solution. They have started developing criteria to evaluate the designs. The student is making some connections between design ideas and the requirements.*	$&	&&
	Submitted *24 May 2024*	Submission of design folio *The student has submitted a folio of design ideas that includes three design ideas, evaluation criteria and detailed preferred designs. Evidence of critical and creative thinking has been provided within a portfolio. The folio was submitted as a hard copy and as a soft copy.*	$&	&&

I declare that all resource materials and assistance used have been acknowledged and that all unacknowledged work is my own.

Student signature .... Date ....

Contact

- **Phil Feain – Digital Technologies Curriculum Manager (VCAA)**

- **Ph: (03) 9059 5146**

- **Philip.Feain@education.vic.gov.au**

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