Assessing the project

There are seven criteria for the project.

The criteria should be applied systematically against the relevant parts of the project.

- The documentation supporting the product is assessed in criteria A–F inclusive.

- The functionality and organization of the product and cover page are assessed in criterion G.

Criterion	Marks
Criterion A: Initial investigation	3
Criterion B: Analysis	5
Criterion C: Project schedule	3
Criterion D: Product design	4
Criterion E: Product development	8
Criterion F: Product evaluation and future product development	4
Criterion G: Required elements	3
Total	30

Internal assessment criteria—SL and HL

Criterion A: Initial investigation

Marks	Level descriptor
0	The work does not reach the standard described by the descriptors below.
1	A client **and** a problem with the present situation are identified.
2–3	A client is identified. The inadequacies of the present situation are explained with cited reference to the consultation with the client.

Criterion B: Analysis

Requirements specification

The specific performance criteria within the requirements specification will be used in criterion F to evaluate the effectiveness of the product.

Justification of proposed solution

This is completed in extended writing.

Marks	Level descriptor
0	The work does not reach the standard described by the descriptors below.
1	The analysis form is used, refers to the scenario described in criterion A **and** includes either a requirements specification that can be used to partially evaluate the effectiveness of the IT solution **or** a limited explanation of why the IT solution was chosen.
2–3	The analysis form is used, refers to the scenario described in criterion A **and** includes a requirements specification that can be used to partially evaluate the effectiveness of the IT solution **and** an adequate explanation of why the IT solution was chosen.
4–5	The analysis form is used, refers to the scenario described in criterion A **and** includes a requirements specification that can be used to effectively evaluate the success of the IT solution **and** a detailed justification of why the IT solution was chosen.

Criterion C: Project schedule

The project schedule must include the following.

- Dates

- Actions

- Details

Marks	Level descriptor
0	The work does not reach the standard described by the descriptors below.
1	The project schedule uses the project schedule form **and** refers to the proposed IT solution identified in criterion B, providing an outline schedule of the tasks involved in planning, designing, developing, testing and implementing the IT solution.
2–3	The project schedule uses the project schedule form **and** refers to the proposed IT solution identified in criterion B, providing a detailed schedule of the tasks involved in planning, designing, developing, testing and implementing the IT solution. The project schedule can be used as a basis for the development of the IT solution.

Criterion D: Product design

There are four significant components to the product design.

- Overall structure

- Internal structure

- List of resources

- List of techniques

The following information should also be included as part of the product design.

- Test plan

- Agreement of client

Marks	Level descriptor
0	The work does not reach the standard described by the descriptors below.
1–2	The product designs for the IT solution identified in criterion B use the product design form but have significant omissions. It is possible for the student to create the product from them, but they lack sufficient detail for an IT-literate third party to see how the product was created.
3–4	The product designs for the IT solution identified in criterion B use the product design form and include sufficient detail for an IT-literate third party to see how the product was created.

Criterion E: Product development

The student must demonstrate the techniques, with screenshots, that were used to develop the IT solution identified in criterion B for the client identified in criterion A and justify why they have been used.

A complex product is defined as one that includes at least three appropriate advanced techniques. The list of techniques will be posted on the OCC annually.

Marks	Level descriptor
0	The work does not reach the standard described by the descriptors below.
1–2	The IT solution identified in criterion B is created. The techniques used to develop the complex product are identified **or** the techniques used to develop the simple product are described.
3–4	The IT solution identified in criterion B is created. The structure of the complex product **and** the techniques used to develop it are described (with screenshots) **or** the structure of the simple product and the choice of techniques used to create it are justified (with screenshots).
5–6	The IT solution identified in criterion B is created. The structure of the complex product **and** the choice of techniques used to develop it have been explained (with screenshots), with minor omissions. Sources have been acknowledged.
7–8	The IT solution identified in criterion B is created. The structure of the complex product **and** the choice of techniques used to develop it have been fully justified (with screenshots). Sources are cited appropriately.

Criterion F: Product evaluation and future product development

The student must evaluate the effectiveness of the finished product, based on feedback from the client. This must include direct references to the specific performance criteria identified in the requirements specification as part of criterion B.

The student must recommend proposals for future improvements of the product.

Marks	Level descriptor
0	The work does not reach the standard described by the descriptors below.
1–2	A limited evaluation of the product, based on feedback from the client is completed, and superficial and impractical recommendations are made for its further development. There is limited reference to the specific performance criteria identified in the requirements specification.
3–4	The product is evaluated, based on feedback from the client and the specific performance criteria identified in the requirements specification, **and** appropriate recommendation(s) are made for future development of the product.

Criterion G: Required elements

This criterion assesses the extent to which the three formal requirements are met.

- The content within the product is sufficient for an IT-literate third party to reliably evaluate its effectiveness **and** the product functions as required.

- The prescribed cover page is used and functions as required.

- Appropriate file names and folder structures are used throughout the project.

Marks	Level descriptor
0	None of the formal requirements are met.
1	Any **one** of the formal requirements is met.
2	Any **two** of the formal requirements are met.
3	All **three** of the formal requirements are met.