Qualification awaiting accreditation

CAMBRIDGE OCR

Sample assessment material

Instructions for teachers

Cambridge OCR Level 3 V Level in

Digital Systems and Data

H101

Unit F020: Developing digital solutions

Version 0.1 | November 2026

ocr.org.uk/V Levels

Introduction

These are the instructions for teachers to accompany the sample Cambridge OCR-set assignment.

Summary of updates

Section	Change	Version	Date
N/A	First draft – Awaiting accreditation.	0.1	4th November 2026

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Sample assessment material

Instructions for teachers

Cambridge OCR Level 3 V Level in Digital Systems and Data

Unit F020: Developing digital solutions

Scenario Title: Festival Finder

These are the instructions for teachers to accompany the sample Cambridge OCR-set assignment.

For use by students beginning the qualification in <month> 20XX.

The Cambridge OCR-set assignment is valid for assessment from <month> 20XX to <month> 20XX.

Marks must be submitted by 15 May 20XX.

The sample assignment **must not** be used for live assessment of students.

Sample

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Sample

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Information and instructions for teachers

Using the Cambridge OCR-set assignment

The assignment for students for this unit will be available on Teach Cambridge from <month> 20XX. The dates for which the assignment may be used for assessment are on the front cover.

The assignment is available to support teacher preparation and planning.

We have estimated that this assignment will take about 15 hours of supervised time to complete.

You **must not** share the assignment with students before the live assessment sessions you have scheduled. Students are expected to complete several weeks of teaching and preparation before beginning the assessment and this should be focussed on the unit content, not the live assignment.

You must keep the assignment secure before assessment sessions begin. When planning, you must define the full period during which students will complete the assignment. Students must not have access to the assignment outside this period, unless they are completing a reattempt in accordance with the reattempt arrangements.

You must ensure that you have completed assessment and all internal processes to meet the marks submission deadline of 15 May 20XX.

The assignment provides a scenario and set of related tasks.

- Task 1 will require students to: explain client requirements, end-user needs and intended outcomes, then analyse the problem to recommend an appropriate solution scope.
  We estimate this task will take 3 hours to complete.

- Task 2 will require students to: design and justify a digital solution, including algorithms, data structures and user interfaces, then communicate the proposed solution to technical and non-technical audiences.
  We estimate this task will take 5 hours to complete.

- Task 2 will require students to: create, test and refine a digital solution, then justify further development and improvement opportunities.
  We estimate this task will take 7 hours to complete.

The assignment:

- Is written so that students have the opportunity to meet the requirements of all marking criteria for the unit.
- Will tell students if their evidence must be in a specific format. If the task does not specify a format, students can choose the format to use.
- **Must** be completed under teacher supervision. Any unsupervised time allowed will be stated below and explained in the assessment guidance.
- Contains 6 synoptic marks. These are indicated with an (S).

Sample

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You **must**:

- Use a Cambridge OCR-set assignment for summative assessment of students.
- Familiarise yourself with the marking criteria and assessment guidance for the tasks. These are given at the end of each student task. They are also with the unit content in **Section 3** of the Specification.
  Assessment guidance is only given where additional information is needed. There might not be assessment guidance for each criterion.
- Read and understand **all** the rules and guidance in **Section 5** of the Specification **before** your students start the set assignment.
- Make sure that your students complete the tasks and that you assess the tasks fully in line with the rules and guidance in **Section 5** of the Specification.
- Give your students the **Digital Systems and Data Student guide to NEA assignments before** they start the assignment.

You **must not**:

- Use live Cambridge OCR-set assignments for practice or formative assessment. This sample assessment material **can** be used for practice or formative assessment.
- Use this sample assessment material for live assessment of students.
- Allow group work for **any** task in this assignment.
- Change any part of the Cambridge OCR-set assignments or marking criteria.

Sample

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Information for delivering tasks

Task	Requirements and resources
Task 3	Digital solutions may include configurable, scripted, automated or low-code approaches. Students are not required to use a specific technology, platform or programming language.

Sample

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