



# Cambridge International AS & A Level

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**INFORMATION TECHNOLOGY**

**9626/02**

Paper 2 Practical

**For examination from 2025**

SPECIMEN PAPER

**2 hours 30 minutes**



You will need: Candidate source files (listed on page 2)

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## INSTRUCTIONS

- Carry out every instruction in each task.
- Save your work using the file names given in the task as and when instructed.
- You must **not** have access to either the internet or any email system during this examination.
- You must save your work in the correct file format as stated in the tasks. If work is saved in an incorrect file format, you will **not** receive marks for that task.

## INFORMATION

- The total mark for this paper is 90.
- The number of marks for each question or part question is shown in brackets [ ].

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This document has **6** pages.

You have been supplied with the following source files:

**specdance.csv**  
**specdance.mp4**  
**specdance2.mp4**  
**specfind.csv**  
**specvoice.mp3**

You must use the most efficient method to solve each task. All work produced must be of a professional standard and suit the business context.

You work for Donna's Dance School and will design a physical Entity Relationship Diagram (ERD) based on:

- a conceptual ERD
- an extract of the current class lists.

Students are Adults (18 years and over), Juniors (11 years to 17 years) or Starlets (under 11 years).

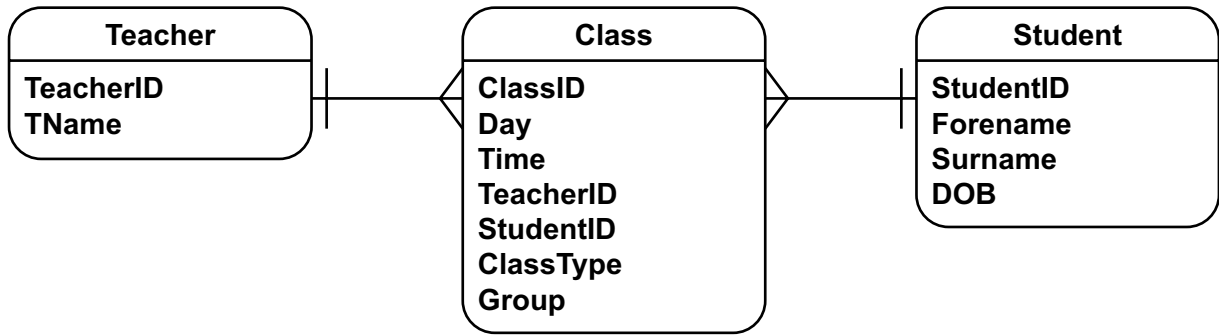
Teachers can teach more than one class.

Classes can be taken in Modern, Tap, Ballet, Street and Contemporary.

There are 30 different classes and 240 different students. Each student is given a unique code with two letters and three digits. Each class occurs at the same time each week.

Students can attend any class suitable for their age group.

1 Examine this conceptual ERD and extract from the class lists:



Class	C1	C2	C3	C4
Day	Monday 3 June	Monday 3 June	Monday 3 June	Monday 3 June
Time	15:30	16:30	18:00	19:30
Type	Tap	Modern	Ballet	Ballet
Group	Starlet	Junior	Adult	Adult
Teacher	Donna	Karla	Karla	Catherine
Students	Christine Thorley	Luca Hofbauer	Larissa Riegler	Christian Michlig
	Clementine Wu	Vanessa Schweiger	Sarah Klein	Sarah Klein
	Alessandro Haby	Nina Riedl	Christian Michlig	Gabriel Winkler
	Sophie Lindner	Maja Seidl	Nina Pegg	Lorenz Mair
	Salah Lee	Yoyo Williams	Mia Ortner	Mia Ortner
		Mattia Hofbauer	Emilia Leupp	Luca Hauser
		Elias Polt		Lukas Kern
		Adi Green		Emilia Leupp
		Magdalena Fink		
		Holly Jenkinson		
		Saanvi Campbell		
		Olga Schneider		
		Simone Unger		
		Chloe Weston		
	Laura Hackl			

Create a physical ERD for this data.

Save your physical ERD in **portable document format** (pdf) with the filename **ERD\_** followed by your centre number\_ candidate number. For example, ERD\_ZZ999\_9999 [15]

- 2 Open and examine the data in the file:

**specfind.csv**

Save this file as a spreadsheet with the file name **find\_** followed by your centre number\_candidate number. For example, find\_ZZ999\_9999

Add the contents of the file **specdance.csv** as a new worksheet named **dance** in your **find\_** workbook.

In the **dance** worksheet, extract a list of the teacher names from column A and place this in column O. Extract a list of classes from column A and place this in column P. Sort both of these lists into alphabetical order and ensure there are no duplicate values.

Place a single formula in cell Q2 to display a list of months in this column. Do **not** change the contents of other cells in this worksheet. [6]

In the **specfind** worksheet users will select the teacher (in cell B1), class type (in cell B2) and month (in cell B3) and the number of students will be displayed.

- 3 In the **specfind** worksheet edit cells B1 to B3 so that the data can be selected from drop-down lists, linked to the lists added in step 2. [4]

- 4 Select this data from the drop-down lists and format it to look like this:

	A	B
1	Teacher name	<b>Karla</b>
2	Class	<b>Ballet</b>
3	Month	<b>September</b>

[1]

- 5 Place a formula in cell B5 that uses INDEX and MATCH functions to display the number of students for the selected data. [14]

- 6 Use this spreadsheet to find the number of students for the following extracts. For each extract save your spreadsheet with the question number followed by your centre number\_candidate number. For example, 6a\_ZZ999\_9999

The classes are:

- Ballet with Karla in September
- Street with James in November
- Tap with Adam in June.

[3]

- 7 Add a new worksheet called **chart** to your workbook.

Copy cells A1 to M20 and P1 to P6 from your **dance** worksheet into the same cells in your **chart** worksheet.

In your **chart** worksheet:

- Insert a new column between A and B. In cell B2 place a replicable formula to extract only the type of class from column A. Replicate this formula to row 20.
- Copy cells C1 to N1 into cells R1 to AC1.
- Place in cell R2 a replicable formula that displays the total number of students studying this class in this month. Replicate this formula for all classes and months. [16]

- 8 Use your **chart** worksheet to create and fully label an appropriate chart to compare the number of students for each type of class for each month.

Save this file as a spreadsheet with the file name **chart\_** followed by your centre number\_ candidate number. For example, chart\_ZZ999\_9999 [6]

Donna's Dance School wishes to create a number of short video clips showing dance styles around the world.

You will create one of these clips to show the traditional Balinese Barong Ket dance. The original video clip was recorded by GBRvideo and the audio was recorded by KMBaudio.

- 9 Open the file **specdance.mp4** in your video editing software. The aspect ratio must be set to 16 : 9. Remove the end of the clip so the clip plays for 7 seconds.

Save your video clip in **.mp4** format with a resolution of 1024 × 576 and the filename **dance2\_** followed by your centre number\_ candidate number. For example, dance2\_ZZ999\_9999 [3]

- 10 Take a still image of the first frame of this clip.

Save it with the filename **dance1** in a format suitable for importing into your video editing software.

Take a still image of the last frame of this clip.

Save it with the filename **dance3** in a format suitable for importing into your video editing software. [2]

- 11 Use the files saved in steps 9 and 10 to create a video clip to match this storyboard.

All text should be displayed in a consistent sans serif font.

Do **not** use transitions unless instructed to do so.

The original video clip was recorded by GBRvideo and the audio was recorded by KMBaudio.

Time 0 seconds:

Background image **dance1**

Place the title **Barong Ket** in the top left corner

Time 4 seconds:

The title text and background remain, with the subtitle **Traditional Balinese Dance** added in the bottom right corner

Time 8.2 seconds:

No text displayed

Video file **dance2\_** starts

Time 15 seconds:

Background image **dance3**

Audio clip **specvoice.mp3** starts

Time 28 seconds:

Smooth 2 second transition (between 28 and 30 seconds) into the video file **specdance2.mp4**

Time 39.2 seconds:

Set a black background. Display appropriate credits that scroll up the screen. Include the text **Edited by:** with your name, centre number and candidate number in the credits. [19]

- 12 Export your video clip as **BarongKet\_** followed by your centre number\_candidate number in **.mp4** format. For example, **BarongKet\_ZZ999\_9999** [1]

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