

**CAMBRIDGE  
NATIONAL**

**LEVEL 1/LEVEL 2**

**IT**

**J836**

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# **EXAM PRACTICE WORKBOOK**

8 Tick (✓) the advantages of using a wireframe.

- ☐ All elements can be positioned and moved around.
- ☐ High-fidelity wireframes can be too detailed.
- ☐ Low-fidelity wireframes cannot show interactive features working.
- ☐ The design can be finalised in a low-fidelity wireframe.
- ☐ The size of elements can be changed.
- ☐ High-fidelity wireframes can be used in testing.

### Short-answer exam-style practice questions

1 Which of these is **not** a component of a flow chart?

- |                   |                          |                  |                          |
|-------------------|--------------------------|------------------|--------------------------|
| <b>A</b> arrow    | <input type="checkbox"/> | <b>C</b> node    | <input type="checkbox"/> |
| <b>B</b> decision | <input type="checkbox"/> | <b>D</b> process | <input type="checkbox"/> |

[1]

#### Hint

The text in bold is important as it highlights the key part of a question.

2 Complete this sentence.

There are **two** different types of wireframe, low-fidelity and ..... [1]

3 Describe **one** component of a mind map design tool.

.....

.....

..... [2]

#### Model answer

A central node [1] is part of a mind map. It shows the topic that the mind map is related to [1].

**Analysis:** The question asks you to describe **one** component for 2 marks. This answer would gain 1 mark for naming a component and 1 mark for describing the use of that component.

4 A taxi company wants a new computer system to manage their business. You have been asked to create this system.

Explain **one** way a mind map could be used at the first meeting with the taxi company.

.....

.....

.....

..... [2]

#### Hint

The question asks you to explain one way for two marks. The first mark is for stating the way and the second is for explaining your answer.

5 Complete the sentence: A node is part of a...

- A mind map
- B wireframe
- C flow chart

☐  
☐  
☐

[1]

6 Is this statement True or False?

A visualisation diagram is used to plan the flow of data in a system.

..... [1]

7 Identify **one** form of mind map.

..... [1]

8 Explain the difference between a concurrent task and a dependent task.

.....  
 .....  
 ..... [2]

9 Explain what is meant by the term 'process' when talking about a flow chart.

.....  
 .....  
 ..... [2]

## Context questions

The following questions must be answered in the context of the scenario:

MaiaBella Italian is a pizza restaurant. The owner wants to update the restaurant IT systems, to allow greater interaction with the customers and to allow them to order food in more ways. The owner also wants to update and improve the IT systems used to manage the restaurant stock.

1 Identify **one** design tool MaiaBella Italian could use to generate ideas for an HCI.

..... [1]

2 Identify and explain **one** design tool MaiaBella Italian could use to design a new poster to promote the restaurant.

.....  
 .....  
 .....  
 ..... [3]

## Long-answer exam-style practice questions

The following questions must be answered in the context of the MaiaBella Italian restaurant scenario. You may use additional paper to continue your response, if needed.

- 1 Evaluate the suitability of creating a high-fidelity wireframe to design the printed menu of a new pizza restaurant.

### Plan your answer



Start to break down the question and identify the key information.

Key words/phrases in question	Explain what the word/phrase means in the question
Evaluate	
High-fidelity wireframe	
Design	
Printed menu for pizza restaurant	

Complete the table, summarising the **advantages** of using a high-fidelity wireframe.

Identify an advantage	Describe what the advantage means	Link the advantage to the pizza context
Shows the layout of the menu	Can see easily where the different parts of the menu go	Can see where images and text about the pizzas can be added

Complete the table, summarising the **disadvantages** of using a high-fidelity wireframe.

Identify a disadvantage	Describe what the disadvantage means	Link the disadvantage to the pizza context
Can show interactive features	This is a printed menu so has no interactive features	The restaurant does not need interactive features on the menu so it's a waste of time and could be complicated to look at

## Sample answer

One advantage of a high-fidelity wireframe is that it will clearly show the layout of all the elements on the menu. You can see where all the text and images will be set out and check that the menu looks right and nothing has been missed off.

The disadvantage of a high-fidelity wireframe is that it is not really suitable for a printed menu, because it is usually used to show the interactive

features of a product. Using one for a printed menu would waste a lot of time, when drawing a visualisation diagram would be quicker and more relevant.

**Analysis:** This is an incomplete example: your own answer should include more information. Review the OCR mark scheme to see exactly how much is required.

Write your answer to question 1, using the information you have planned.

9

[9]

- 2** Evaluate the suitability of using a mind map to design the printed menu for a new pizza restaurant.

[illegible]