Level 2 Drawing and planning software (7574-223)

ITQ (QCF)
Assignment guide for Candidates
Assignment A

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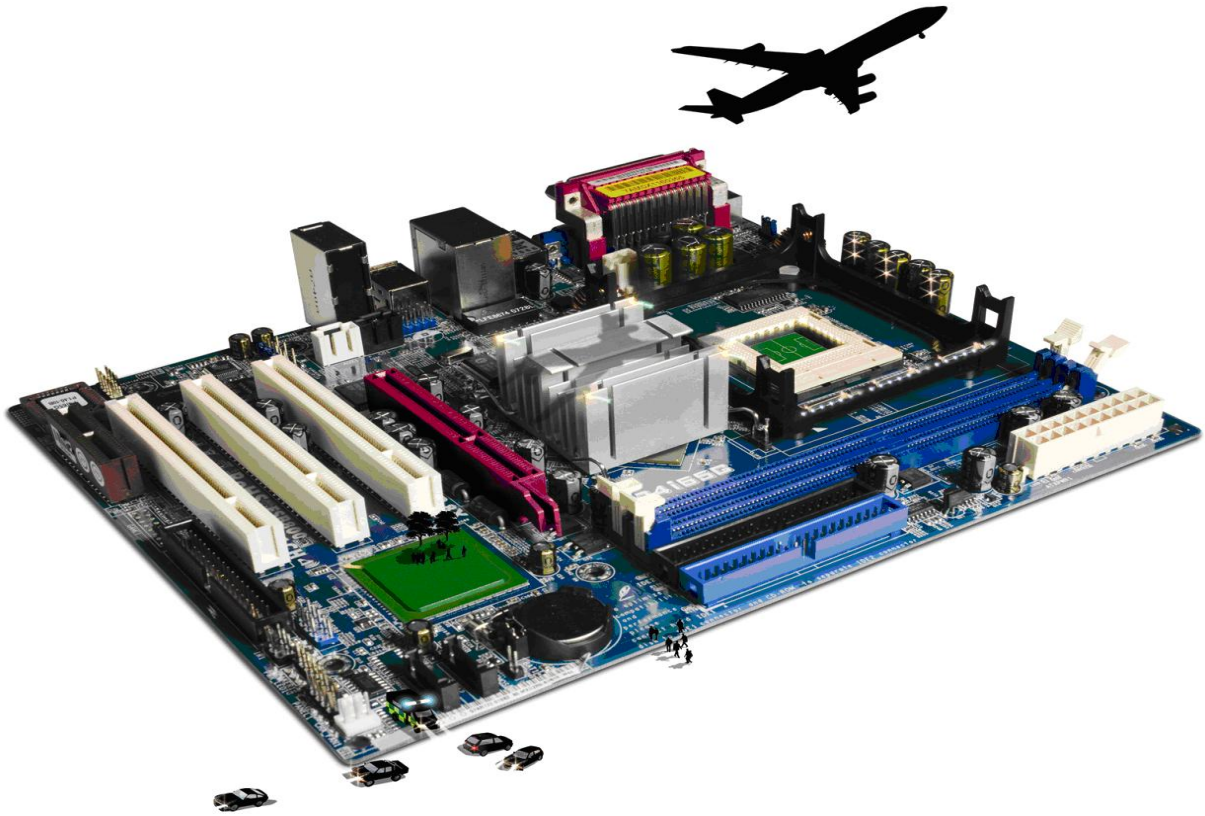

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City & Guilds
1 Giltspur Street
London EC1A 9DD
T +44 (0)844 543 0000 (Centres) **www.cityandguilds.com**
T +44 (0)844 543 0033 (Learners) **learnersupport@cityandguilds.com**

Contents

Unit 223 – Drawing and planning software Level 2

Assignment A

Introduction – Information for Candidates	2
Candidate instructions	3

Level 2 Drawing and planning software (7574-223) Assignment A

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 2 Drawing and planning software (7574-223).

Health and safety

You are responsible for maintaining the safety of others as well as your own. You are asked to work safely at all times.

You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements.

Time allowance

The recommended time allowance for this assignment is **two hours**.

Level 2 Drawing and planning software (7574-223)
Candidate instructions

Time allowance: two hours

The assignment:

This assignment is made up of **three** tasks

- Task A - Meeting users needs
- Task B - Create floor plans
- Task C – Modify floor plans

Scenario

You work for a local design company as a junior designer. A local company has approached the company to help design a gym and fitness suite. The company has recently received some funding to convert one of their old conference areas into a modern fitness suite. The area has the following dimensions; the room is rectangular with the long walls being 24 metres long and the short walls being approximately 16 metres long. One of the 24 metre long walls has a 2 metre wide double doorway (including doors) exactly in the centre.

The new fitness suite needs the following areas within the total space.

- A reception area close to and in front of the main door
- A cardiovascular room (eg an exercise room with treadmills, cross trainer, bikes etc) to the right of the reception area, which should be approx. 10.5m long by approx. 7m wide
- A studio at the rear of the space, which should be approximately 14m long by approximately 4.75m wide with a doorway facing the reception area.
- In front of the studio there should be a seating area with a table for company staff to relax
- On the left hand side of the space there should be the following areas
    - A weights area with space for 3 benches and a water fountain.
    - A sauna room with benching for staff.
    - A tanning room with 3 sunbeds.
    - A seating area with a water fountain.

Note: If your drawing package does not contain examples of the fitness equipment required above use suitable / alternative shapes.

Read all of the instructions carefully and complete the tasks in the order given.

Task A – Meeting users needs

1 You have been asked to create a floor plan for a new fitness suite.

Before you start to draw your floor plan and referring to the scenario, briefly identify the following. Using your **Answers 223 A** document provided by your assessor.

- Identify what types of shapes and elements will be needed?
- Review templates available and describe how they can be modified?
- Identify what copyright constraints apply to the use of any shapes or images?

Save this document with your initials as **Answers 223 A XX** (where XX are your initials).

Task B - Create floor plans

1 Create your floor plan for the new fitness suite as set out in the scenario.

- Create the exterior walls of the new fitness suite to the given specification; ensure you have drawn your room to scale.
- One of the 24 metre long walls has a 2 metre wide double doorway exactly in the centre.
- Ensure that your layout identifies the scale used or shows dimensions.

2 Create a reception area close to and in front of the main entrance.

3 Create a cardiovascular room to the right of the reception area, which should be approx. 10.5m long by approx. 7m wide, with a door placed in a suitable position.

4 Create a studio at the rear of the space, which should be approximately 14m long by approximately 4.75m wide, with a door in a suitable position within the longest wall.

Modify plan / sizes as required to ensure all areas fit in the right hand space.

5 Behind this space and in front of the studio create a seating area with a table for company staff to relax.

6 On the left hand side of the total space create the following areas:

a A weights area with space for **three** benches and a water fountain (the benches and fountain does not need to be inserted at this stage).
b A sauna room with benching.
c A tanning room with space for **three** sunbeds (sunbeds do not need to be inserted at this stage).
d A seating area with a water fountain.

Modify plans as required to ensure all areas fit in the left hand space.

7 Save the floor plan using your initials and **GymXX** (where XX are your initials).

Continued over…

Task C - Modify floor plans

1 In the cardiovascular room insert the following equipment:

   a **10** treadmills.
   b **Six** cycles.
   c **Five** rowing machines.

2 In the studio insert **28** yoga mats.

3 In the weights area insert **three** weights machines and a water fountain.

4 Insert **three** sunbeds, and divide the space in to **three** cubicles.

5 Save the completed plan as **Gym2XX** (where XX are your initials).

6 For presentation purposes export your completed work as a PDF Document and name it **Finished Gym2XX** (where XX area your initials).

When you have finished working:

- Sign each document above your name and label all removable storage media with your name.
- Hand all paperwork and removable storage media to your assessor.

If the assignment is taken over more than one period, all paperwork and removable media must be returned to the test supervisor at the end of each sitting.

End of assignment

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1 Giltspur Street
London
EC1A 9DD
T +44 (0)844 543 0000 (Centres)
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