



Professional Practice Revision

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Activity 1

In today's world, it's widely accepted that the pervasive presence and use of fitness tracking technology like smartwatches and fitness bands, which are continuously buzzing on wrists, flashing reminders to stand up, take a walk, or celebrate a step goal achieved, has made our society profoundly health-conscious. The widespread adoption of smartwatches and fitness bands has catalysed a significant shift in public health awareness. By providing constant feedback on one's physical activities and health metrics like heart rate or steps taken, these devices inherently motivate individuals to engage in healthier behaviours. The mere act of monitoring one's health data cultivates a deeper health-conscious mindset, equating the visibility of data with a proactive stance towards personal health.

Activity 1

Go to wooclap.com and use the code **QLTOUL**

What is wrong with the argument? (select all that apply)

- 1 Does not resolve premises and conclusions 0% 0
- 2 Does not unfold ideas in a natural order 0% 0
- 3 Does not start from reliable premises 0% 0
- 4 Is not concrete and concise 0% 0
- 5 Builds on overtone and not substance 0% 0
- 6 Does not use terms consistently 0% 0

wooclap 100% 0 / 1

Activity 1

- Correct answers: 2-6
 - Does not unfold ideas in a natural order: the conclusion and premises, while present (conclusion is first phrase, premises phrases that follow), are not clearly connected. Connectors would help.
 - Does not start from reliable premises: there is no evidence (e.g. academic papers, statistics) brought for the premises.
 - Is not concrete and concise: the first phrase is very long and using words that are not needed.
 - Builds on overtone and not substance: a positive overtone is used (e.g. words like “profoundly”, “mere”) making this more like a marketing pitch than an argumentative essay where the tone should be neutral and bring evidence.
 - Does not use terms consistently: it is not clear whether “health-conscious” and “health-aware” are used to mean the same thing or not.

Activity 2

Anna works for SofTrade, a company that writes software for other trading companies. Anna is junior software tester at the company. She is responsible for tests of features written in Java. Anna is a member of an eight-people team. However, she doesn't get to communicate much with other team members except for her sole manager. SofTrade ensures strict lines of communication.

Anna has a clear path to promotion: in two years, provided that she completes her goals, she will get promoted to a senior software tester.

Activity 2

< Select another question Edit question

Go to wooclap.com and use the code **QLTOUL**

SofTrade follows the _____ organisational model.

- 1 Matrix 0% 0
- 2 Organic 0% 0
- 3 Bureaucratic 0% 0
- 4 Hybrid 0% 0

Click on the projected screen to start the question

wooclap 100%

Activity 2

- Correct answer: 3 (bureaucratic) because:
 - Clear responsibilities
 - Clear progression path
 - Communication happening mostly vertically
 - One manager

Activity 3

Suppose that a company has developed an innovative computer game called Spookcatcher. The game is marketed in packaging that features the name superimposed on the image of a ghost. It comes with an add-on device that the company has invented called a wailer. This attaches to the computer and emits very convincing ghostly wails at suitable points in the action. The software uses some clever data structures developed within the company that make it possible to achieve very high performance.

Bott, Frank. Professional Issues in Information Technology, BCS Learning

Activity 3

Go to wooclap.com and use the code **QLTOUL**



Which of the IP protections would apply in this case in the UK?

- 1 Patents, to protect the device and data structures 0
- 2 Patents, to protect the computer game 0
- 3 Copyright, to protect the concept (idea) behind the game 0
- 4 Copyright, to protect the source code 0
- 5 Trademark, to protect the device and data structure 0
- 6 Trademark, for the branding 0

Activity 3

- Correct answers: 1, 4, 6
 - Patents, to protect the device and data structures: patents cannot be used in the UK to protect the program as such, but they can be used to protect underlying inventive elements like data structures; the wailer device is itself an invention so it can be protected by a patent.
 - Copyright, to protect the source code: code is seen as literary work in terms of IP, and so is protected by copyright; ideas cannot be protected by IP law (in general).
 - Trademark, for the branding: trademark is used to protect physical properties of the branding, like the logo in this case (name superimposed on image of a ghost).

Activity 4

Go to wooclap.com and use the code **QLTOUL**



Which of the following statements about open source (OS) licensing is true? ...



① All OS software is completely free of cost. 0% 0

② OS software is inherently less secure than proprietary software. 0% 0

③ There is only one type of OS license. 0% 0

④ Some OS licenses require that any modifications made to the software are also made available under the same license. 0% 0

⑤ Someone using OS software won't be held liable if this software breaks the copyright of a third party. 0% 0



Activity 4

- Correct answer: 4
 - Some open source licenses require that any modifications made to the software are also made available under the same license: this is true because it is the case of copyleft open source licences (e.g. GPL).

Activity 5

< Select another question Edit question

Go to wooclap.com and use the code **QLTOUL**

What are some advantages of standards, despite the co...

- 1 Improved quality and consistency 0% 0
- 2 Enhanced credibility and customer confidence 0% 0
- 3 Access to new markets 0% 0
- 4 Support for innovation 0% 0
- 5 Better risk management 0% 0

wooclap 100%

Click on the projected screen to start the question

Activity 5

- Correct answers: all of them
 - Improved quality and consistency: standards outline good practice in terms of “what” should be done
 - Enhanced credibility and customer confidence: being certified with a standard showcases company as respecting the standard’s requirements for quality, which improves credibility and customer confidence
 - Access to new markets: being certified leverages trade because products developed in one region are compliant with those in another.
 - Support for innovation: if a new technology has an agreed standard this de-risks the purchaser from working with suppliers certified with it.
 - Better risk management: the great majority of standards require risk management.

Activity 6

Go to wooclap.com and use the code **QLTOUL**

Which of the following statements about the GDPR is ...

- 1 GDPR only applies to companies based in the European Union 0% 0
- 2 Under GDPR, organizations can use personal data however they want as long as they obtain it **▶** 0% 0
- 3 Under GDPR, consent must be clear, informed and freely given 0% 0
- 4 An organisation can comply with GDPR simply by updating its website's privacy policy 0% 0
- 5 Small businesses are exempt from GDPR 0% 0

wooclap 100%

Click on the projected screen to start the question

Activity 6

- Correct answer: 3
 - Under GDPR, consent must be clear, informed, and freely given: this refers to consent regarding the processing of personal data; this consent must be clear (unambiguous, covering specific processing purposes), informed (it must be clear who is collecting data and why) and freely given (data subjects must have a real choice, with possibility to refuse or withdraw consent without penalty); Consent should not be hidden within terms and conditions.