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Grade	**6.00** out of 10.00 (**60**%)

Question 1

Correct

Mark 1.00 out of 1.00

The followings are requirements for a library management software: (1) The software should be operated on Windows; (2) The software allows library staffs to track books borrowed by students; (3) The software should be available from 7:30 to 21:00 every working day; (4) The software will send a monthly report to the manager at the end of every month. In order from 1 to 4, which requirement is functional (F) or non-functional requirement (NF)?

Select one:

- a.   NF-NF-NF-NF.
- b.   F-NF-F-NF.
- c.   F-F-F-F.
- d.   NF-F-NF-F ✔

The correct answer is: NF-F-NF-F

Question 2

Incorrect

Mark 0.00 out of 1.00

Who are your stakeholders for a movie ticket selling software and why?

Select one:

- a.   Theatre managers - they require the software with some requirements
- b.   Security staffs - they tell us what they want/like about the software
- c.   Audiences - they provide software requirements
- d.   All the other answers are correct. ✖

The correct answer is: Theatre managers - they require the software with some requirements

Question **3**

Incorrect

Mark 0.00 out of 1.00

Which is NOT correct about software requirements

Select one:

- ○ a. Software requirements may be very detailed for helping the developers in developing the software.
- ◉ b. Customer constraints such as the personality of the developers are not requirements. ✖
- ○ c. The developers have to add their idea about the software into the requirements when they know how to develop the software.
- ○ d. All the other answers are correct.

The correct answer is: Software requirements may be very detailed for helping the developers in developing the software.

Question **4**

Incorrect

Mark 0.00 out of 1.00

Which is NOT correct about functional and non-functional requirements

Select one:

- ◉ a. They are all from customer. ✖
- ○ b. They are all requirements.
- ○ c. Non-functional requirements can be reformed to be functional requirements.
- ○ d. Some non-functional requirements may requires some related functional requirements.

The correct answer is: Non-functional requirements can be reformed to be functional requirements.

Question **5**

Incorrect

Mark 0.00 out of 1.00

Who are your stakeholders for a university smart lighting software and why?

Select one:

- ○ a. Students - they provide what they feel about how beautiful the campus is
- ○ b. Guesses of the university - they require the software with some requirements
- ○ c. Security staffs - they tell us what they want to control the light in the campus
- ◉ d. All the other answers are correct. ✖

The correct answer is: Security staffs - they tell us what they want to control the light in the campus

Question 6

Correct

Mark 1.00 out of 1.00

The followings are requirements for a personal money management mobile app: (1) The app should be provided on Android and iOS device; (2) The app should be small and fast; (3) The app can be operated by only left or right hand; (4) The app should be free. In order from 1 to 4, which requirement is functional (F) or non-functional requirement (NF) or not a software requirement (NR)?

Select one:

- a. NF-NF-NF-NR ✔
- b. F-F-F-NR.
- c. F-NF-NF-F.
- d. F-NF-NR-F.

The correct answer is: NF-NF-NF-NR

Question 7

Correct

Mark 1.00 out of 1.00

The followings are requirements for a movie ticket selling software: (1) An audience can search for a movie schedule; (2) The software shall be operated on web and shall be operated all the time (24/7 mode); (3) The audience can cancel the ticket and get the refund; (4) The movie theatre manager can add movie schedule for a movie. In order from 1 to 4, which requirement is functional (F) or non-functional requirement (NF)?

Select one:

- a. F-NF-NF-F.
- b. F-F-F-F.
- c. F-NF-F-F. ✔
- d. NF-NF-NF-NF

The correct answer is: F-NF-F-F.

Question 8

Correct

Mark 1.00 out of 1.00

Which of the followings are better requirement representation? (1A) The app should be provided on Android and iOS device; (1B) The app is multi-platform; (2A) The app should be small and fast; (2B) The app size is maximum 200MB and should be response to any touch in within 1 second?

Select one:

○ a.   1B and 2A.

○ b.   1B and 2B

○ c.   1A and 2A.

◉ d.   1A and 2B. ✔

The correct answer is: 1A and 2B.

Question 9

Correct

Mark 1.00 out of 1.00

The followings are requirements for a smart lighting software: (1) The light in an empty room should be turned off automatically; (2) When a group of person appears in a corridors of a building at night, the light should be on; (3) At any time, a security guy can turn on or off the light in any room in the building; (4) For every 6 months, all the light bulbs should be replaced. In order from 1 to 4, which requirement is functional (F) or non-functional requirement (NF) or not a software requirement (NR)?

Select one:

○ a.   F-NF-NF-F.

○ b.   F-NF-NR-F.

◉ c.   F-F-F-NR. ✔

○ d.   NF-NF-NR-NF

The correct answer is: F-F-F-NR.

Question **10**

Correct

Mark 1.00 out of 1.00

The followings are requirements for a child tracking app: (1) The app sends an alert message to the parent when the child is out of the safe zone; (2) The app sends the locations of the child to the parent regularly; (3) The app allows the child to call the parent just by pressing one button; (4) The app cannot be off at any time. In order from 1 to 4, which requirement is functional (F) or non-functional requirement (NF)?

Select one:

○ a.   F-NF-F-F.

○ b.   NF-NF-NF-NF

○ c.   F-NF-NF-F.

◉ d.   F-F-F-NF. ✔

The correct answer is: F-F-F-NF.