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Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Complete

Mark 1.00 out of 1.00

A Library management system has the following abstract requirements. (1) The readers can borrow books from the library by self-checkout; (2) The librarians can track the borrowed books; (3) The librarians can add or remove books from the library; (4) The system generates reports for the manager monthly. Which of the following is correct?

Select one:

- a. Actors: Reader, Manager, Librarian.
- ◉ b. All of the other answers are correct.
- c. The actor Reader interacts with the use-case Borrow books.
- d. The actor Librarian interacts with the use-case Track the borrowed books.

Question **2**

Complete

Mark 1.00 out of 1.00

A Personal money management app has the following abstract requirements. (1) The owner registers for the first time; (2) The owner can declare all personal payments to the app; (3) The app can show to the owner an analysis about his/her spending at anytime. Which of the following is correct?

Select one:

- a. The actor Mobile phone interacts with the use-case Register to register the owner to the app.
- ◉ b. The use-cases are Register, Declare expenses; and Analyse spending.
- c. All of the other answers are correct.
- d. Actors: Owner and the Mobile phone.

Question 3

Complete

Mark 1.00 out of 1.00

A Smoke detector system has the following abstract requirements. (1) The users can configure the detector in high-/normal-/low-sensitive modes; (2) The system shall be always in smoke detecting mode, and turn on the alarm for smoke until there is no more smoke; (3) In connection to the telephone line, a call with recorded voice will be called to the national fire hot line (ex. phone number 114). Which of the following is correct?

Select one:

- ○ a. Actors: User, Fire Station.
- ● b. The actor User interacts with the use-case Configure smoke sensitive mode.
- ○ c. The actor User can turn the alarm off.
- ○ d. All of the other answers are correct.

Question 4

Complete

Mark 1.00 out of 1.00

Choose the WRONG answers about use-case.

Select one:

- ○ a. The set of use-cases of a system represent all interactions between actors and the system.
- ○ b. A use-case is a scenario representing interactions between actors and the system.
- ○ c. A use-case description has to include all test-cases to validate the use-case.
- ● d. A use-case has to have an actor to trigger it.

Question 5

Complete

Mark 1.00 out of 1.00

For the following situation, which of the answer is IN CORRECT? "Setup consultation allows two or more doctors, working in different offices, to view the same record at the same time. One doctor initiates the consultation by choosing the people involved from a drop-down menu of doctors who are online. The patient record is then displayed on their screens but only the initiating doctor can edit the record. In addition, a text chat window is created to help coordinate actions. It is assumed that a phone conference for voice communication will be separately set up."

Select one:

- ○ a. It is a use-case.
- ○ b. The infrastructure manager, if any, should be one of our stakeholders.
- ○ c. There is a lot of work to implement this feature.
- ● d. Actors are Doctor and Patient.

Question 6

Complete

Mark 1.00 out of 1.00

In discovering requirements from a on-duty person, which of the following should be used?

Select one:

○ a.   Read the documentation about the work/duty to discover scenario/requirement.

○ b.   Stop the person to interview.

◉ c.   All of that of the other answers with concerns.

○ d.   Observe to discover scenario/requirement.

Question 7

Complete

Mark 1.00 out of 1.00

The following are abstract requirements of a movie ticket selling software. (1) The audience can register to be a member, search for the schedule, book tickets and print tickets; (2) The movie theatre manager can add movie schedules, exports management reports; (3) The CEO can read the ticket selling report sent to by the Movie theatre manager. Which of the following is correct?

Select one:

○ a.   The actor Movie theatre manager is actually the actor Ticketing staff.

○ b.   All of the other answers are correct.

○ c.   Actors: Audience, Movie theatre manager, CEO.

◉ d.   Use-cases: Register membership, Search for schedule, Book tickets, Print tickets, Add schedules, Export management report.

Question 8

Complete

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. Which of the following is correct?

Select one:

○ a.   The use-cases are Alert the parent, Send location; Call the parent; and Stop the app.

◉ b.   The use-case Send location can be triggered automatically by the system (a timer/scheduler).

○ c.   All of the other answers are correct.

○ d.   Actors: Owner (The child) and the App.

Question **9**

Complete

Mark 1.00 out of 1.00

Which is the best answer about languages for describing the requirements?

Select one:

○ a.   Natural languages when they are easy to be understood.

○ b.   Graphical notation languages as they are fun.

○ c.   Mathematical languages as they are always correct.

◉ d.   All the other answers are NOT quite correct.

Question **10**

Complete

Mark 1.00 out of 1.00

Which of the following about software requirement specification (SRS) is WRONG?

Select one:

◉ a.   It is also a design document.

○ b.   It should set of WHAT the system should do rather than HOW it should do it.

○ c.   It is the official statement of what is required of the system developers.

○ d.   It should include both a definition of user requirements and a specification of the system requirements.