

Were you paying attention?



Consider an information system for a gym. In the list below, mark all requirements that you believe are pertinent

- A. ✓ Members of the gym shall be able to access their training programs
- B. ✓ The system shall be able to read member cards
- C. The system shall be able to store members' commute time
- D. ✓ Personal trainers shall be able to add clients
- E. The list of members shall be stored as a linked list

Is the above list complete?

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Why can irrelevant information be harmful? Mark all that apply.

- A. They may lead to missing functionality in the final product
- B. ✓ They can introduce inconsistency
- C. ✓ They can waste project resources
- D. They may introduce bugs in the software system

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Referring to the last figure we discussed, indicate for each of the following items, whether they belong to the machine domain (1), application domain (2), or their intersection (3). (Enter the corresponding number next to each item)

[1] An algorithm sorts a list of books in alphabetical order by the first author's name

[3] A notification of the arrival of a message appears on a smart watch

[2] An employee wants to organize a meeting with a set of colleagues

[3] A user clicks a link on a web page

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Which of the following are non-functional requirements

- [] The bowling alley program keeps track of the score during a game
- [✓] The word count program should be able to process large files
- [] The login program for a website should be secure
- [] The vending machine program should take coins as an input from the user

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Imagine that you have collected the following set of 5 requirements for an ATM system but only have resources to satisfy two, possibly three. Suitable prioritize the requirements by marking them as mandatory (M), Nice to have (N) or Superfluous (S)

[M] The system shall check the PIN of the ATM card before allowing the customer to perform an operation

[S] The system shall perform an additional biometric verification of the customer's identity before it allows the customer to perform an operation

[M] The system shall allow customers to withdraw cash using an ATM card

[N] The system shall allow customers to deposit money using an ATM card

[S] The system shall allow customers to change PIN of an ATM card