Name

Class

Date

1.

Requirements Engineering Quizizz

Replace this with a sub-header that can be in multiple lines.
Duplicate this text as many times as you would like.

2. Which of the following are non-functional requirements? [multiple options correct]

a) The system shall send an email notification to users after a successful transaction.

b) The system shall allow users to login using a username and password.

c) The system shall be available 99.9% of the time.

d) The system shall be able to handle 10,000 concurrent users.

e) The system shall complete all transactions within 2 seconds.

3. A tech company is developing a mobile e-reading application where users can download and read digital books. Which two of the following requirements are most pertinent to the primary functionality of the application? [2 options correct]

   a) The application should include an option to play background music while reading

   b) The application shall allow users to adjust font size and background color for a comfortable reading experience.

   c) The application shall enable bookmarking and highlighting sections in the digital books.

   d) The application shall notify users of new releases by their favorite authors.

4. Referring to the application and machine domain, indicate where the following requirement belongs:
   An algorithm sorts a list of books in alphabetical order by the first author's name

   a) Intersection

   b) Machine domain

   c) Application Domain

5. Referring to the application and machine domain, indicate where the following requirement belongs:
   A user clicks a link on a web page

   a) Machine domain

   b) Application Domain

   c) Intersection

6. Imagine that you have collected the following set of 5 requirements for a food delivery application, but you only have resources to satisfy two, possibly three. Prioritize the requirements by marking them as mandatory (M), Nice to have (N), or Superfluous (S):
   1. The application shall allow users to browse various restaurants and their menus.
   2. The application shall notify users about ongoing discounts and promotions in their vicinity.
   3. The application shall enable users to place food orders.
   4. The application shall have a social media integration feature where users can share their food reviews.
   5. The application shall allow users to track the real-time location of their food delivery driver.

   a) M
      S
      N
      S
      S

   b) M
      S
      N
      S
      M

   c) M
      S
      M
      S
      N

   d) N
      S
      M
      S
      M

7. Match the following software quality requirements with their appropriate categories: Software (SW), Hardware (HW), or Context (C).

1. The system must maintain a response time of less than 2 seconds under peak load.

2. The application should be compatible with a minimum of 8 GB RAM and a quad-core processor.

3. The software should comply with local data privacy laws and regulations.

4. The system should handle up to 10,000 concurrent users efficiently.

5. The user interface must support both touch and voice inputs.

a) 1 - SW, 2 - HW, 3 - C, 4 - SW, 5 - SW

b) 1 - SW, 2 - HW, 3 - C, 4 - SW, 5 - C

c) 1 - C, 2 - HW, 3 - SW, 4 - C, 5 - SW

d) 1 - HW, 2 - SW, 3 - C, 4 - HW, 5 - SW

Answer Keys

1. n/a

2. c) The system shall be available 99.9% of the time.
   , e) The system shall complete all transactions within 2 seconds.
   , d) The system shall be able to handle 10,000 concurrent users.

3. b) The application shall allow users to adjust font size and background color for a comfortable reading experience.
   , c) The application shall enable bookmarking and highlighting sections in the digital books.

4. b) Machine domain

5. c) Intersection

6. c) M
   S
   M
   S
   N

7. a) 1 - SW, 2 - HW, 3 - C, 4 - SW, 5 - SW