

Hard_questions:

What is the purpose of the Extended Entity-Relationship (EER) Model?

- a: To support specialization and generalization abstractions
- b: To focus on physical database design
- c: To enhance the conceptual database design
- d: To implement database applications

What is the difficulty in specifying constraints for higher-degree relationships?

- a: Constraints are easier to specify for higher-degree relationships
- b: Constraints are harder to specify for higher-degree relationships
- c: Constraints are not needed for higher-degree relationships
- d: Constraints are ambiguous for higher-degree relationships

How can a ternary relationship be represented as a weak entity type?

- a: By having multiple key attributes
- b: By participating in multiple identifying relationships
- c: By having composite attributes
- d: By having a single identifying relationship

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Medium_questions:

Which methodology is used for conceptual design in the ER model?

- a: Enhanced Entity Relationship (EER) Diagrams

- b: Unified Modeling Language (UML) Class Diagrams
- c: Entity Relationship (ER) Diagrams
- d: Object-Oriented Analysis and Design (OOAD)

What is a composite attribute in the ER model?

- a: An attribute with multiple values for an entity
- b: An attribute that is composed of several components
- c: An attribute that is unique to each entity
- d: An attribute that is a key attribute

Which of the following is an example of a composite attribute?

- a: SSN
- b: Name
- c: Address
- d: Sex

What is a key attribute in the ER model?

- a: An attribute that is a composite attribute
- b: An attribute that is unique for each entity
- c: An attribute that is multivalued
- d: An attribute that is optional

What is a value set associated with an attribute in the ER model?

- a: The set of values associated with an entity set
- b: The set of values associated with a relationship
- c: The set of values associated with an attribute
- d: The set of values associated with an entity type

Easy_questions:

What is the main focus of the database design process?

- a: Applications design
- b: Conceptual database design
- c: Physical database design
- d: Database implementation

What is an entity in the ER model?

- a: A relationship between two entities
- b: A property used to describe an entity
- c: A specific thing or object in the mini-world represented in the database
- d: A key attribute of an entity type

What is an entity set in the ER model?

- a: A collection of entities stored in the database
- b: A set of attributes for an entity type
- c: A set of relationships between entities
- d: A set of composite attributes

What is the purpose of the (min, max) notation for relationship constraints?

- a: To specify the value sets of attributes
- b: To display the constraints on the edges of relationships
- c: To define the entities in a relationship
- d: To group entities with the same attributes

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