

Quizlet

THE RELATIONAL MODEL (WEEK 2)

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Key concepts:

Referential Integrity Values Data

Terms in this set (16)

Relation	a table, consists of heading and a body
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Relation Heading	consists of a fixed set of attributes
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Relation Cardinality	number of tuples in a relation
Relation Degree	Number of values in a tuple (i.e. no. of attributes of the table)
Tuple	a table row, represents a single entity occurrence in an entity set
Attribute Domain	Each column's specific range of values
Properties of a tuple	unordered, no duplicates, attributes are unordered
Superkey	An attribute or attributes that uniquely identify each entry in a table.
Candidate Key	A minimal superkey (a key that does not contain a subset of attributes that is itself a superkey)
Primary Key	A candidate Key selected as a unique identifier for all other values in any given row
Foreign Key	An attribute or combination of attributes in one table whose values must either match the primary key in another table or be null
Column/Domain Integrity	all values in a column must come from the same domain (i.e. data type/range)

Referential
Integrity

the foreign key must be either null or
match the primary key values in the
parent table

Entity Integrity

Each entity must have a primary key (PK is
unique and not null)

Relation
Components

Relation, Tuple, Attribute Domain

THIS SET IS OFTEN IN FOLDERS WITH...

Database concepts (Week 1)

31 terms

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ER MODEL (WEEK 3)

28 terms

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NORMALISATION (WEEK 5)

14 terms

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DATA DEFINITION (WEEK 6)

19 terms

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