

Database Design

6-3: Second Normal Form

Practice Activities

Objectives

- Define the rule of Second Normal Form in the normalization process
- Examine a non-normalized entity and determine which rule or rules of normalization are being violated.
- Apply the rule of Second Normal Form to resolve a violation in the model

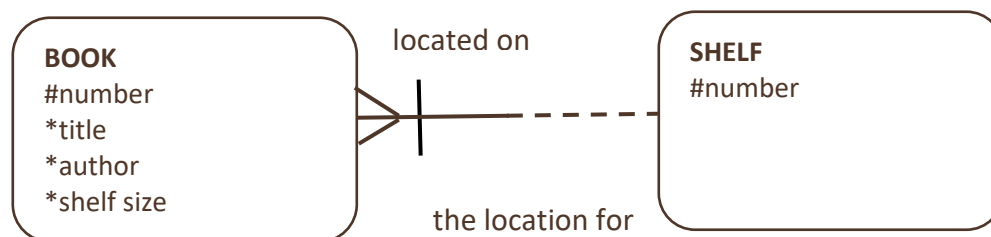
Vocabulary

Identify the vocabulary word for each definition below.

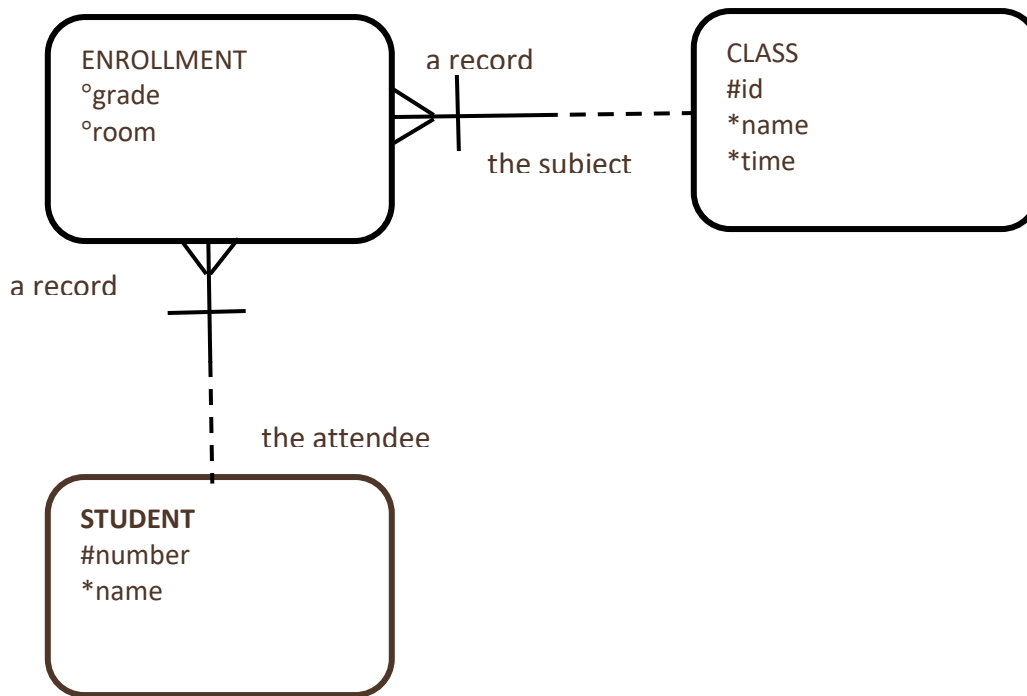
	The outcome of the second step of database normalization
--	--

Try It / Solve It

1. The UID of a library book includes its BOOK number and SHELF number. Does this ERD follow the rules of Second Normal Form? If you spot a violation, correct it.



2. Class Enrollment is the intersection entity that resolves the M:M between STUDENT and CLASS. Does the ERD follow the rules of Second Normal Form? If you spot a violation, correct it.



3. A store can be located in several shopping malls, and a shopping mall may house several stores. To locate a particular store in a specific neighborhood, you will need to know the name and address of the nearby shopping mall, plus the name of the store. Does the ERD follow the rules of Second Normal Form? If you spot a violation, correct it.

