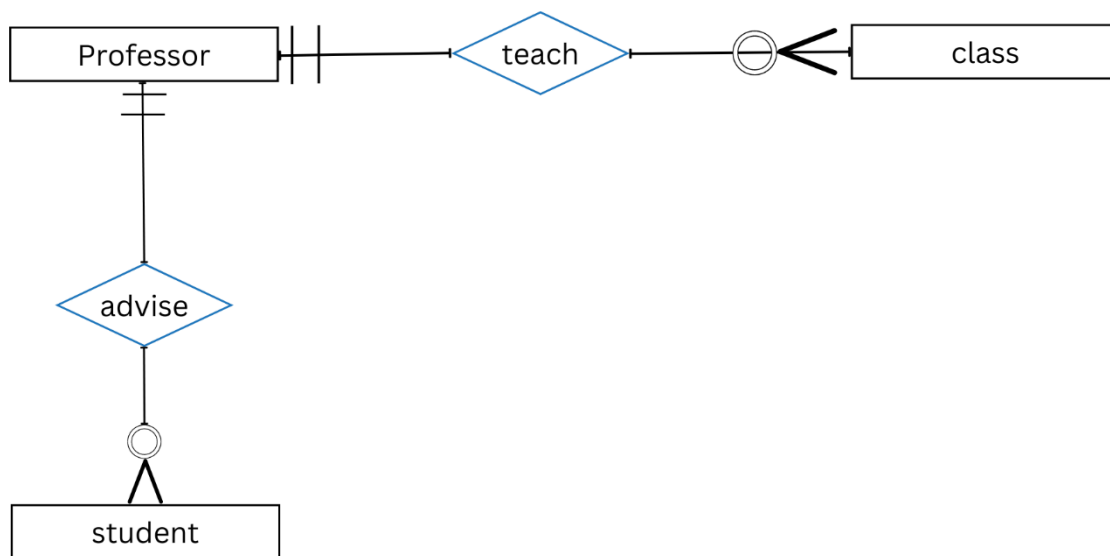


1. How do you translate business rules into data model components?

As a good practice in making a business rule, the identified nouns will be transcribed as an entity that will be used in the model. The verb—may it be active or passive—that accompanies the nouns are converted into relationships within the entities.

2. Design a Data Model based on the business rules written as follows:



3. Write the business rules reflected in the Data Model (ERD) below:

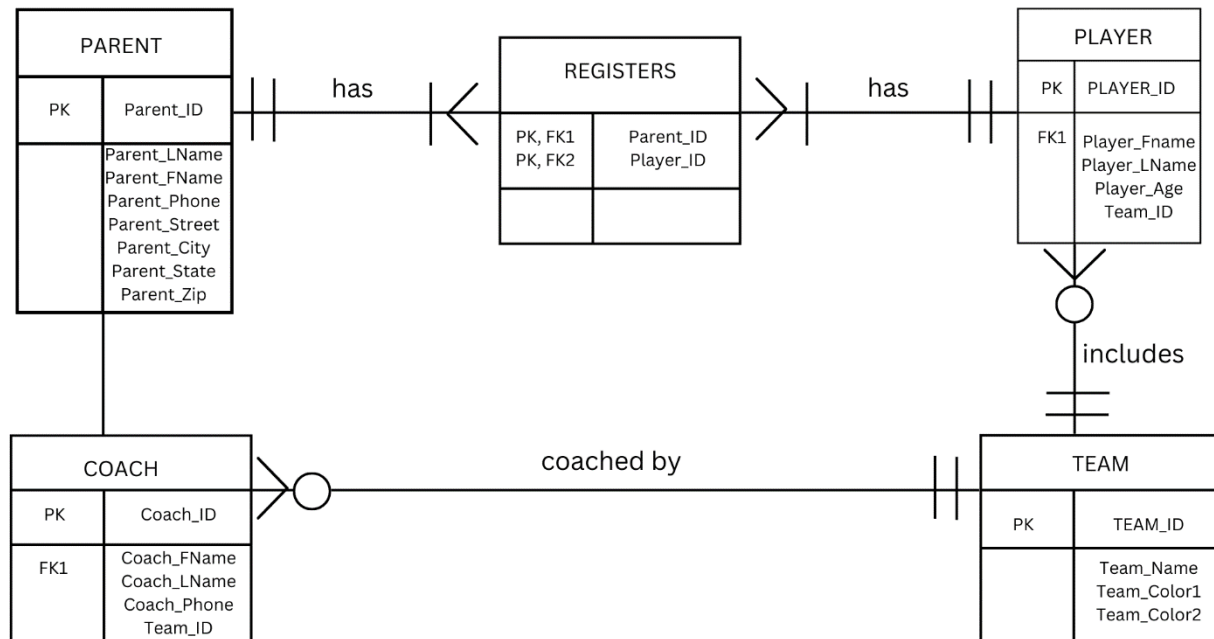
Each publisher publishes many books. Each book is published by one publisher.

Each book is written by one author. Each author writes many books.

Each author signs many contracts. Each contract is signed by one author.

Each contract is submitted by one publisher. A publisher submits many contracts.

4. Draw the data model described below.



5. Make an initial business rule of your chosen company. Afterward, design an ERD.

Chosen company: Natasha

Business rule:

A customer must pay in the cash/credit payment counter. The cash must be paid by a customer.

The cash/credit payment counter lets the cash process in the processing counter. The processing counter will process what the cash/credit payment counter has received.

The processing counter generates at least one receipt. A receipt is generated by at least one processing counter.

A customer must receive at least one receipt. A receipt is received by one customer.

ERD:

