LU03.L02 - Designing an ERM

For this scenario, the following entity-types are identified:

1. Country

- Attributes
    - CountryID (Primary Key)
    - CountryName
    - ContinentName

2. Trip

- Attributes
    - TripID (Primary Key)
    - CountryID (Foreign Key)
    - StartDate
    - EndDate
    - Price
- Relationships:
    - Country: A trip occurs in one country.
    - Duration: Calculated as the difference between EndDate and StartDate.

3. Continent

- Attributes:
    - ContinentID (Primary Key)
    - ContinentName
- Relationships:
    - Country: Each country is located on one continent.

4. Relationships:

- One-to-Many:
    - A Continent can have many Countries.
    - A Country can have many Trips.

5. ERM in Crow's feet notation

- Continent (1) ————< has >———— (∞) Country
- Country (1) ————< hosts >———— (∞) Trip

Vocabulary

English	German
prerequisite	Grundvoraussetzung
given	gegenen

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