

LU03.L02 - Designing an ERD

Given business case

As overarching goal, we want to administrate our holidays. Though we want to store the following information:

- which countries we visited so far
- how long we stayed in each country
- on which continent each country is located
- the price for each trip
- the date of each trip

Task: Design a ERD

Analyse the given business case and design an ERD that matches the requirements of the business case.

Solution

Based on the given information, we can identify three primary entity-types:

- **Trip**: Represents a single holiday journey.
 - trip_id (primary key)
 - start_date
 - end_date
 - cost
- ****Country**: Represents a country visited.
 - country_code (primary key)
 - country_name
 - continent
- **Visit**: Represents a visit to a specific country within a trip.
 - visit_id (primary key)
 - trip_id (foreign key to Trip)
 - country_code (foreign key to Country)
 - number_of_days

Vocabulary

English	German
prerequisite	Grundvoraussetzung

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