

# 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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