## Tax calculator

Implement a system that is capable of calculating taxes on the sales of products and services.

The multinational Munchitos S.A. is going to launch an online platform to sell a myriad of products and services:

- 1. Food products for both individual consumers and companies.
- Digital subscription services, which include access to exclusive content and resources for professionals in the foodservice industry.
- 3. In-person training courses for chefs and restaurants, organized in various cities.

**Munchitos S.A.** has contacted Quaderno to integrate an automated system for calculating taxes on sales made on its platform, and thus be able to comply with the tax regulations of each country.

Your duty is to design and implement this system. The software must be able to calculate the right taxes based on the rules described below.

To simplify the requirements, we will assume that the seller, **Munchitos S.A.**, is a company operating from Spain, a member country of the European Union (EU).

- Sale of physical products:
  - The type of transaction shall be marked as 'good'.
  - If the buyer is in Spain:
    - Spanish VAT will be applied, regardless of whether it is an individual consumer or a company.
  - If the buyer is outside Spain, but in an EU country:
    - In the case of an individual consumer, the local VAT of the buyer's country will be applied.
    - If the buyer is a company, no VAT will be applied and the transaction will be marked as a 'reverse charge'.
  - If the buyer is in a country outside the EU:
    - No tax will be applied. The transaction will be marked as 'export'. The buyer will be responsible for taxes and duties in their country.
- Sale of digital services:
  - The type of transaction shall be marked as 'service' and 'digital'.
  - If the buyer is in Spain:

Spanish VAT will be applied, regardless of whether it is an individual consumer or a company.

- If the buyer is outside Spain, but in an EU country:
  - In the case of an individual consumer, the local VAT of the buyer's country will be applied.
  - If the buyer is a company, no VAT will be applied and the transaction will be marked as a 'reverse charge'.
- If the buyer is in a country outside the EU:
  - No tax will be applied.
- Sale of onsite services:
  - The type of transaction shall be marked as 'service' and 'onsite'.
  - The Spanish VAT will be applied if the service is provided in Spain, regardless of where the buyer is located, and
    regardless of whether the buyer is an individual consumer or a company. In this case, the place where the service is
    provided (where the course takes place) defines the applicable tax.

## Requirements

- Your solution must be written in Ruby. It is not strictly necessary to use Rails.
- Your solution must be well tested with the use cases mentioned above. You can use RSpec, Minitest or whatever library you prefer.
- Please note that the system may be extended in the future to cover more complex cases.
- Share your solution by linking to a Git repository. We recommend frequent commits as you implement the use cases, as this will allow us to follow your reasoning and better understand your approach.