



2022

STORING AND RETRIEVING DATA - PROJECT REPORT

GROUP 37

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SCENARIO

For the design of our relational database, we decided to work on a fictional audiobook company. We'll refer to this business as AudioB, throughout the rest of this project.

AudioB is an e-company that sells audiobooks exclusively online. Our business is completely digitalized, and therefore, we don't have stocks, warehouses nor physical shops to deal with. The company is running since five years, starting on november 2017, with our first order made on the 12/11/2017.

What about our product ?

We are selling exclusively audiobooks. Audiobooks are an attractive option for many people looking for something to take off their minds from the daily routine. It is the perfect match for people rushing, without having time to read, or for a chill evening at home, listening to the audio voice of your favorite book.

So, *how can we buy an audiobook, and how much does it cost?* Our audiobooks are available in one of the 4 following 'languages': English, French, Spanish and Portuguese. However, our clients are all over the globe and can buy our product from wherever their 'location'.

The price is relative to each book, starting from €4 to €35 for the most expensive ones. It depends on their 'audio_duration', who is the audio 'voice', how famous... etc. It can also have a discount applied to the regular price, from 4% up to 25% for special deals or to promote our new releases.

What about our operations ?

The core of AudioB is a virtual store, all operations are performed through the website. The client is looking to buy a book on our website, in the library available. Once he found it, he orders the book, which generate an invoice, including his 'client_id' and the final price, that is calculated regarding if there is a discount or not. One order corresponds to one book bought by a client, therefore, an invoice can have one or several orders, but an order can only have one book.

Moreover, the invoice is generated automatically once an order is placed. The payment is instantaneous, meaning both of the issued date and payment date are equal.

What about our Clients?

Finally, since we are selling a digitalized product, we don't need to ship it anywhere specific, so an exact address is not required. The only details we need from our client are their email (to send the invoice and information), location, phone number, and birthdate (to do relevant recommendations and targeted marketing).

The clients can buy several books at a time.

