

# Backend

In the developed world, businesses can protect their brands by trademark registration. During such a process, the user needs to check whether their trademark is not already taken by someone else—this is roughly similar to how domain registration works. Your job is to write a simple backend-only validation service operating on top of a given trademark database.

## The requirements are:

1. Download the trademark data from the <ftp://ftp.euipo.europa.eu/> (username: opendata password: kagar1n)
2. Create a script for setting up the database and populating it just with the state of trademarks in 2020 (to keep things simple).
3. Setup the server and implement REST or GraphQL API suitable for trademark-searching service. The service is meant to check if a trademark already exists and if it does, return the basic properties of it (we leave up to you which ones). For the sake of the assignment, let's focus just on word trademarks (not visual/audible/etc), you can distinguish them by the "MarkFeature" attribute being "Word". Here's an example of a record in the data dump: <https://pastebin.com/8G7ysw2X>
4. The server should support at least a) searching in a database for exact trademark b) fuzzily finding some 'nearest' trademarks (for some meaningful definition of 'nearest')

## We expect you to:

1. Use language, database system, server technology, and/or framework of your choice.
2. Code should be stored on the provided GitHub repository and have a meaningful commit history.
3. The solution should be properly deployed on a public URL or have ready-made docker-compose, so it can be tried and tested.
4. Write proper readme.md a.k.a. documentation.
5. Do whatever else you consider a good showcase of your skills. Choose wisely not to waste too much time.

We don't require tests for the project; however, feel free to add some if you think it's worth the time invested.