

## MyHammer Coding Challenge

Your task is to create a REST-like API that will be used by our Angular Frontend for the Web and as well as by our native iOS and Android Apps.

If you have experience with Symfony please use it. If not, you are free to use the framework and libraries of your choice with PHP 7.1 or higher and a relational database of your choice.

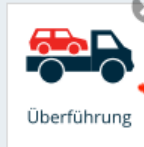

If you currently do not have a local running development environment, we recommend to use Devilbox (<http://devilbox.org>) which is based on Docker (<https://www.docker.com/community-edition#/download>) and makes your start really easy. When docker is already installed it gives you an up-and running PHP Stack in about 30 minutes.

We assume session handling and user authentication as given. You do not have to care about these.

## The domain

This is the design that was given to your frontend colleagues who will create the angular code. It is about creating a form where the customers can enter jobs for which they need a tradesman. With the project we want to only specifically target German customers.

**Sie suchen Handwerker oder Dienstleister für:**



Service

**Beschreiben Sie kurz Ihren Auftrag**

**Auftragstitel**

z.B. Überführung eines PKW inkl. Anhänger von München nach Berlin

**PLZ** **Zipcode** **Ausführungsort** **City**

Ort (wird automatisch befüllt)

**Auftragsbeschreibung** **Description**

WAS genau soll erledigt werden? WO genau soll etwas erledigt werden? WER stellt das Material?

**Ausführungsdatum** **When the job should be done**

Zeitnah

**Weiter >**

Think of these services as categories. The user must select exactly one per job and a category must be unique. We expect more than 200 categories in the future, please consider this. These are the ones we know of at the moment.

ID	Name
804040	Sonstige Umzugsleistungen
802030	Abtransport, Entsorgung und Entrümpelung
411070	Fensterreinigung
402020	Holzdielen schleifen
108140	Kellersanierung

Example data for Germany:

Zipcode	City
10115	Berlin
32457	Porta Westfalica
01623	Lommatzsch
21521	Hamburg
06895	Bülzig
01612	Diesbar-Seußlitz

You must handle validation errors. The frontend should be able to evaluate the errors and display something meaningful to the user with context of the invalid field.

Following validation rules are defined:

Title: allows between 5 to 50 characters

Zip: german zipcode only

For the other fields you can define validation rules by yourself.

You might ask yourself what will be happening with the stored data?

It will be exposed to some other part of our userbase (except the user who created the job). These jobs will be shown to them up to 30 days after initial creation and can be filtered by service and region.

Also, users that created a job will be given the option to edit their own job in a later iteration.

This represents everything you currently know - please create the API where the clients submit data to the backend. Please don't forget that your fellow engineers in frontend might need some documentation to figure out how to use the new endpoint.

## Handing in your results

We care about high quality and well tested code that is easily maintainable, please make sure that the code you submit is working and tested as this is more important than finishing the whole task.

When you hand in your code please describe in a short README how it should be executed. In case you used Devilbox as an environment please submit the whole folder and not only the project folder inside. Please also submit the necessary SQL needed to setup the database.

In case the code is not completely finished: please describe the open tasks that still need to be done and a rough estimation on how long you would need to finish them.

Please share your project on github or similar public repository, if you do not have an account send us a compressed file through <https://wettransfer.com/> or any other sharing service.