

TECHNICAL ASSIGNMENT

MAIN OBJECTIVE

The main objective of the assignment is to create a minimalistic version of our standard call center experience.

REQUIREMENTS

Imagine that I am a call center agent at one of KPN's call centers and I am using the application that you created.

- If a customer is not yet on our database, application allows me to create that customer with the following parameters: last name, first name, date of birth, gender, house number, zip code, street name, city, mobile number and email address. (Note that there can be multiple customers in same address)
- Also, you should be able to create a basic product (just with a name parameter) which can be ordered for a customer later.
- Your application provides me a simple frontend that allows me to search customers by providing their house number and zip code together or with mobile number or with email address. (e.g. 1234AB 5, 06xxxxxxx, test@email.com)
- Once you retrieve customers with the search functionality, you should be able to select the customer from the list, and you should see the customer details which includes the customer data along with their products, if they have any.
- If the customer does not have any products, there should be a list of products that includes mobile phones, modems, sim cards, etc. so that I am able to order this product for that customer through the user interface. (Note that a customer may have many products)

OPTIONAL GOALS

- Unit tests
- A dockerized application
- We would be happy to see some logs (like which customer has been searched etc.)

TECHNOLOGY STACK

A Python backend along with Vue.js frontend as we are using them in a daily basis. However, you are completely free to decide any other tech stack. Pick languages, tools, libraries and framework of your choice, as long as the code is understandable and well structured.

TIME AND DEADLINE

We expect you to dedicate 12 hours to develop the project starting at the time you manage to have a basic setup (tools, development server, build tasks). We value quality above completion, so do not worry if you will not get to the end. Also, we would like to see a clean Git history, so that we can follow your thinking process.