Thank you for applying for our position. We expect you to develop this project, which will  
enable you to find solutions to the problems experienced by a real estate agent, in order to  
measure your technical and mental proficiency. In this direction, please think effectively and  
solution-oriented while developing the project.

**Our Problem**a UK estate agent named Verde Estates; which house of your employees,  
It has difficulty keeping records of when and to which customers it will show. The company  
manager, who wants to use his employees more effectively, especially wants to be able to  
control the length of the processes to and from the appointments, the time allocated by the  
employees for the appointment and all  
these appointments without conflicts among themselves.  
In order to solve these problems, the company needs an application that simulates the  
scenario that we will describe in detail below.

**Scenario**• Everyone working in the real estate agent should be able to register in this API system  
and likewise should be able to login. (Login and register endpoints).  
• On the appointment creation screen; appointment address, appointment date, attendee  
customer's personal information (name, surname) and contact information (email,  
address, phone number). (Appointment creation endpoint)  
• **Realtor is located at cm27pj zip code**.  
• The postal code sent as the appointment address and the postal code of the **real estate  
agent office** should be **measured and this value** entered into a column in the  
appointment table should be written  
• Appointment duration is considered as 1 hour and the appointment address is given to  
the real estate agent.  
• The estimated time of **departure from the office** and the real estate office after the  
appointment so that he can go should be able to login. (Login and register endpoints)  
When it will be available, it will return to 2 separate columns in the appointments  
table. Should be written. (Google maps API can be used for calculations.)  
• Appointment update and deletion endpoints should also be created.  
• An endpoint for listing appointments should be created. This listing endpoint must be  
filtered by date.

**Technical Rules**• The project should be developed with “Laravel” as main framework and  
with “repository pattern” design.  
• You are expected to prepare an API for the needs identified in the scenario.  
• In this direction, you should create a setup by considering the Users,  
Appointments, Contacts database tables.  
• Prepare documentation for the endpoints you have prepared and  
• The project should be kept in a version management system (preferably gitlab)  
and code changes should be made in part as commits, in English with details  
about the transactions. You can choose the services that offer it.) You must  
define the endpoints in a folder in Postman. • JWT  
should be used for authentication processes and checks should be made  
regarding token expire scenario.  
• The project is completely on Restful communication and data transfer  
architecture.  
• PHP Laravel should be used for back-end technology.  
**• Appointment address and real estate agent's address should be followed only by  
zip code. (It should be in the address column). Use open source zip code  
services to obtain location information about addresses. All appointments must  
take place in the UK.  
Delivery Process**• Please share with us the sharing link of Collection, which you defined in  
postman, the repo and endpoints where you kept the project during the delivery  
process.  
• Deploy the project to a remote server. (Free infrastructure like Heroku You can  
choose the services that offer it.)  
• For running the project and necessary details, please readme in the repo keep  
your file up to date.

Project Development  
This project is designed to measure your perspective on events, your  
technical knowledge, and the solutions you bring to problems. Please advance the  
development  
process accordingly