This is the document for "Backend Developer" only.

Please follow this document step-by-step to complete this exam.

- 1. Init the backend project using Node.js, Typescript, Express.js, and PostgreSQL (pure or ORM).
- 2. Go to https://codetest-pre-interview-frontend.pages.dev/. This will be your front end. You can define the host and port on that site (localhost is acceptable).
- 3. This page contains the house list table that will be filled with your backend.
- 4. Start by inserting data into the database.
 - 1. The frontend will call the "post" method to "/home" with the payload below.
 - { "name": "house name", "desc": "house description", "price": "100.05", "post_code": "10200"}
- 5. Next, continue with getting the list of data and fitting it to the table.
 - 1. The frontend will call the "get" method to "/home" with 2 queries.
 - skip=0
 - take=5
 - 2. An expected result is payload array of homelist within the skip and take with the count

- 6. It is a dropdown to select the postcode.
 - 1. This component will call the "get" method to "/postCode".
 - 2. An expected result is the payload array of postcode with the count

- 7. Display average and median each postcode
 - 1. After selecting the postcode this component will trigger the "get" method to "/postCode/:id"
 - 2. An expected result is the price average and median of all houses in this postcode

```
{
    "payload": {
        "average": "1000000.0000000000000",
        "median": "1000000.0"
    }
}
```

8. After you complete all of the above you can choose to submit via github link or zip it within an email