# TeleVet

# Full Stack Project

SOFTWARE ENGINEERING

## Guidelines

1. Technical implementation should be
    a. Node.js REST API
    b. ReactJS app for frontend
2. It should be runnable on macOS or Linux
3. Use git for version control
5. You may use open source libraries or tools as part of your solution as long as you provide proper attribution and why you chose it
6. Include instructions for how to run the project
7. Feel free to ask questions!

## The Project

The Details: You are building a webapp in ReactJS with a Node.js REST API. This will be used internally or publicly with no authentication, although we may want to add some kind of authentication or access tokens in the future.

Data is provided as JSON and SQL for your consumption.

- JSON keys used in responses should match the data provided column names
- Standard HTTP response codes should be used to identify errors
- A message object may be included in the response if an additional error message is appropriate

### Background

TeleVet works with veterinarians, their pet parents, and of course, the pets. The purpose of this exercise is to construct an API in Node / Express with REST endpoints that allow retrieving pets and just one pet and a frontend ReactJS app that shows a list and details of pets. The sample data is available in JSON and SQL. Please follow the guidelines.

## Submission

When complete, please push to Github and add `richardun` (or make it public) so I can see it. Please don't include files that aren't checked in (e.g. logs, temp files).

## Node.js API Endpoints

Feel free to modify the endpoints and API to suit your needs. The two endpoints should be follows:

a. GET /pets
   a. Fetch list of pets with pagination
   b. It should default to 10 pets per page
   c. Searching and pagination happen here on the backend
   d. `{`
   e. `    “pets”: [],`
   f. `}`
b. GET /pet/{id}
   a. Fetch a specific pet as a JSON object
   b. `{`
   c. `    “id”: 1,`
   d. `    “name”: “...”,`
   e. …
   f. `}`

## ReactJS Frontend App

These are the minimal requirements for this part of the exercise. You are free to take whatever approach you want and add more if you like. The minimal requirements are as follows:

A. Display a table list of all Pets
   a. the table shows two columns: id, name
   b. should be paginated to 10 pets
   c. provide sorting capabilities on the column heads
   d. allow searching by name
B. The names of the Pets are clickable, clicking on them allows you to see details of the Pet
   a. id

b. name
c. weight
d. height

## Thank you!

Your effort is greatly appreciated.  We are working hard to find a great fit for this role that means a lot to us.  We are eagerly awaiting your response.  Good luck!