



Full Stack Coding Test

Requirements

(see below section “UI mocks”)

You are to construct a Pet Owner registration experience inspired by the below mocks.

The frontend form will allow input with the following fields:

- Pet's name
- Pet type
 - Cat
 - Dog
- Breed
 - Show a list of breeds based on above Cat or Dog selection
 - For dog, include a dangerous breed amongst others:
 - Pitbull
 - Mastiff
 - Choose One (If “Can’t find it?” is selected for “Breed”)
 - I don't know
 - It's a mix
- Pet's Age
 - (No) Do you know their date of birth?
 - Approximate Age
 - 1
 - 2
 - 3
 - ...
 - 20
 - (Yes) Do you know their date of birth?
 - Date of Birth Input (Day / Month / Year)
- Gender
- Save Pet submit button

On the back-end, create a data model for Pet that includes:

- Name
- Type
- Breed
- Date of Birth
- Gender
- Is Dangerous Animal

Once the form is saved to add a pet, show a summary of the following fields:

- All of the above
- A danger indicator if the Pet is a Dangerous Animal
- Age



Instructions

- Write a solution utilizing HTML5, CSS and Javascript (bonus points if using a frontend or styling framework)
- Create a simple API endpoint to ingest the aforementioned fields and return a 2xx status code (201 Created for REST) indicating saved
- We must be able to execute your solution on MacOS or Linux
- README.md is within the repository including an overview and instructions on execution



Bonus points

- You've implemented latest VueJS framework
- You've implemented and utilized a PHP framework such as latest Symfony
- Your solution is encapsulated into a Docker container
- Git commits show your progress over the completion of the assignment



What we're looking at

- Requirements decomposition - how you interpreted the test and solved it!
- Data model design - you've considered using foreign keys for the pet table to normalize breed or type (e.g. constant table)
- MVC fundamentals - e.g. controllers do not contain business or database logic
- Modern, responsive web design following industry best practices (e.g. media breakpoints)
- CSS structure and utilization of styling framework (e.g. Bootstrap)
- Solid understanding of chosen Frontend framework and structuring HTML5
- Code structure, code flow, and software design patterns
- Code styling and cleanliness (PSR-12)
- Object-oriented programming and SOLID principles



Tell us about your dog

What is your dog's name?

Monte

What breed are they?

Can't find it?



Choose One

☐ I don't know

☐ It's a mix

What gender are they?

Female

Male

Continue



Tell us about your dog

What is your dog's name?

Monte

What breed are they?

Can't find it?



Choose One

☐ I don't know

☒ It's a mix

Collie, poodle, lab

What gender are they?

Female

Male

Continue

Footer TBD

Do you know their date of birth?

Yes

No

Approximate Age



Do you know their date of birth?

Yes

No

Birthdate

Month

Select

Day

dd

Year

yyyy