

# About the JSON's

## Animal\_species.json

Animal\_species.json contains a list of dictionaries that contains the animal name and file name of the questions. So if you were to add a new type of animal, be sure to add a new entry into this file. Once this is done, the application will automatically add that animal type.

```
[
  {
    "name": "Dog",
    "questions": "dog_questions.json"
  },
  {
    "name": "Chien",
    "questions": "chien_questions.json"
  }
]
```

## <animal>\_questions.json

Dog\_questions.json and chien\_questions.json are two jsons containing the questions for the forms. It is somewhat complex. It is made up of a list of dictionaries we will call groups. These contain the name of the group and a list of subgroups. This will appear as each "step" in the form.

(Json)

```
[
  {
    "name": "Dog Information",
    "subgroups": [
      {

```

(Application Form)

### Step 1 - Dog Information

Each subgroup is a dictionary. Each has a name and a list of questions. These will appear as sub parts in the web application.

(Json)

```
"subgroups": [
  {
    "name": "Animal Basics",
    "questions": [
      {
```

(Application Form)

<b>Animal Basics</b>
----------------------

Each question in the subgroup is a dictionary. These have a type, a label, a name and depending on the type, a list of answers. The name is used in the form and for storage in the database. As such, each name in the json should be unique. The label is displayed to the user on the form. The label is also used for upload\_csv. Each label should be a header for the csv in the question it is for. There are four types of questions with their own unique properties.

- "text" - On the form it is just a line that accepts text.
- "textarea" - It is a larger area to accept text.
- "radio" - A radio button, is a choice between options. I can choose one OR the other, but not both.
- "checkbox" - A checkbox is a bunch of options. I can choose as many as I would like to be true.

(Json)

```
"questions": [
  {
    "type": "text",
    "label": "Name",
    "name": "name"
  },
  {
```

(Application Form)

Name	Fred
------	------

If the question is a checkbox or radio type, then it will have a list of answers. Each answer is made up of a name, a label and whether it is to be selected by default. The name is used in the database, and the label is shown on the form. Selected, if 1 is preselected on the form when a new animal is created.

(Json)

```
"answers":[
  {
    "name":"status_stray",
    "label":"Stray",
    "selected":1
  },

```

(Application Form)

Status	Stray <input checked="" type="radio"/>	Surrender <input type="radio"/>	Other <input type="radio"/>
--------	--	---------------------------------	-----------------------------

## Modifying Json

In most cases, you will only need to modify the JSON. However, in some cases you will also have to modify the database as well.

### Label

- Changing the label will not require much change in the web application. It will require changing the google form.

### Name

- Changing the name is not recommended as it is the key index in the database. If changed, existing animals of that type will not work. If you must do so, you will have to update the key in the database.
- Names for groups and subgroups can be changed with no issues.

### Selected

- Able to change without issue. Multiple "selected=1" on radio buttons may cause weird issues depending on the browser, but it's not likely to be a problem.

Removing questions, answers, etc. will not cause an issue. The information will remain in the database, but will be inaccessible to the application, and will not be asked anymore. Unless it is a radio answer.

Adding questions, and answers, etc. will cause issues with existing animals in the system. To fix this, the changes will need to be added to the existing animals.

Radio answers are stored as an int (starting at 0), based on where the answer is in the list. So if you add one, you will have to increase the number of entries by 1 for the answers list where you placed it. If you remove one, you will have to decrease the number.

Checkbox answers are stored as True/False for each answer. The application expects an answer to be either true or false. So if you add an answer, you will need to insert the answer into the db for all animals of that type.