## El modelo utilizado ha sido MobileNetV2.

```
base_model = keras.applications.MobileNetV2()
    weights = 'imagenet',
    input_shape = (150,150,3),
    include_top = False,
   base_model.trainable = False
C> WARNING:tensorflow: input_shape is undefined or non-square, or 'rows' is not in [96, 128, 160, 192, 224].
[47]
     x=base_model.output
     x=keras.layers.GlobalAveragePooling2D()(x)
     x=keras.layers.Dense(1024,activation='relu')(x)
     x=keras.layers.Dense(1024,activation='relu')(x)
     x=keras.layers.Dense(512,activation='relu')(x)
     preds=keras.layers.Dense(1,activation='softmax')(x)
     model=keras.Model(inputs=base_model.input,outputs=preds) #specify the inputs and outputs
[48] model.compile(optimizer='adam', loss =
     tf.keras.losses.BinaryCrossentropy(from_logits = True),metrics =
     keras.metrics.BinaryAccuracy())
     model.fit(training_set, epochs = 20, validation_data = validation_set)
    ======] - 326s 9s/step - loss: 0.3697 - binary_accuracy: 0.0563 - val_loss: 0.3573 - val_binary_accuracy
    ======] - 3s 82ms/step - loss: 0.2347 - binary_accuracy: 0.0563 - val_loss: 0.2611 - val_binary_accuracy
    ======] - 3s 80ms/step - loss: 0.1880 - binary accuracy: 0.0563 - val loss: 0.2498 - val binary accuracy
                                                                                 ↑ ↓ ⊖ 目 ‡ ♬ 盲 :
json_config = model.to_json()
     with open('model_config.json', 'w') as json_file:
      json_file.write(json_config)
     model.save weights('pets mobilenetv2 transferlearning.h5')
```

## Prueba del modelo en DJANGO

