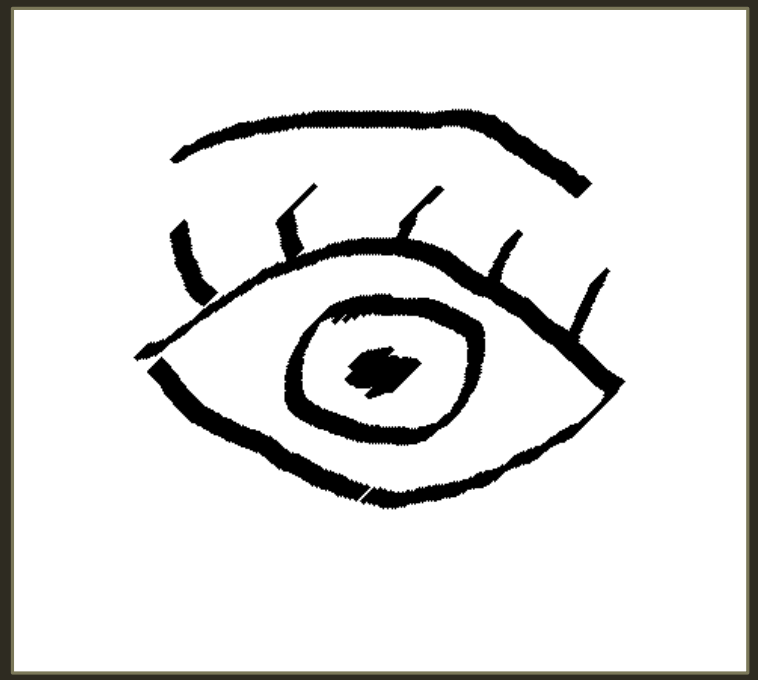
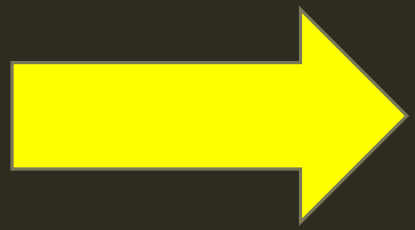
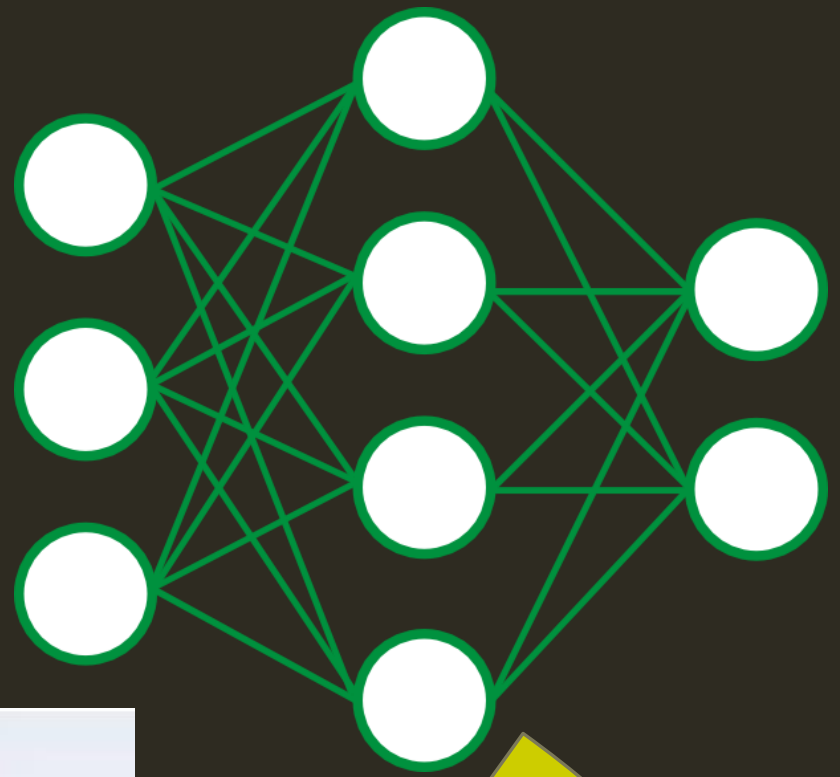
DRAW ME!

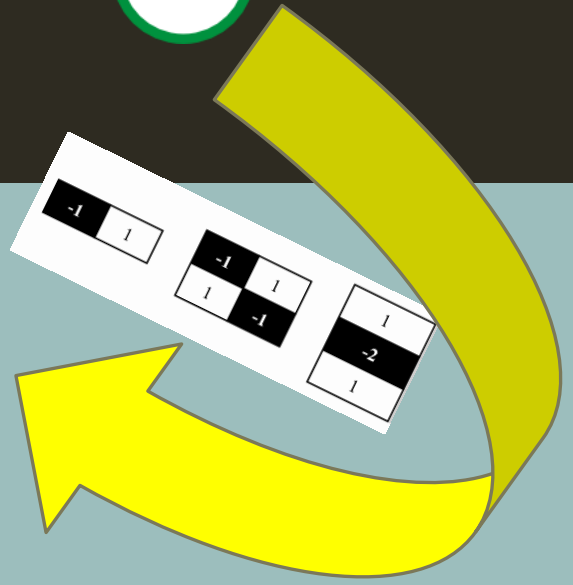
David Carricondo Sánchez

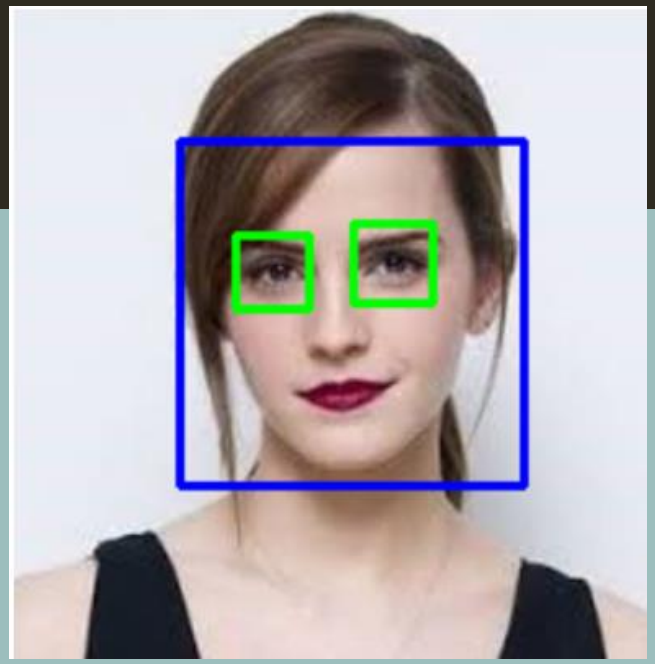
Ironhack Final Project

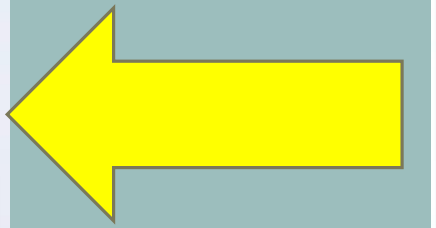


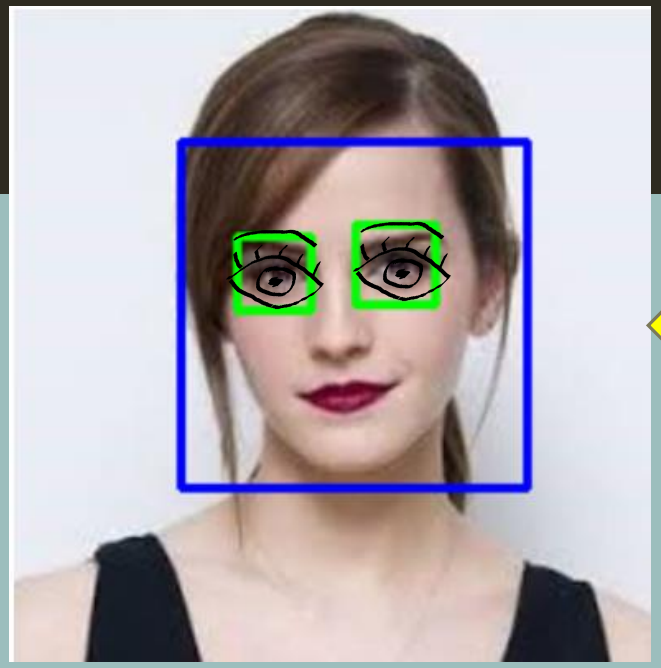





-1
1
-1
1
1
-1
1
-2
1





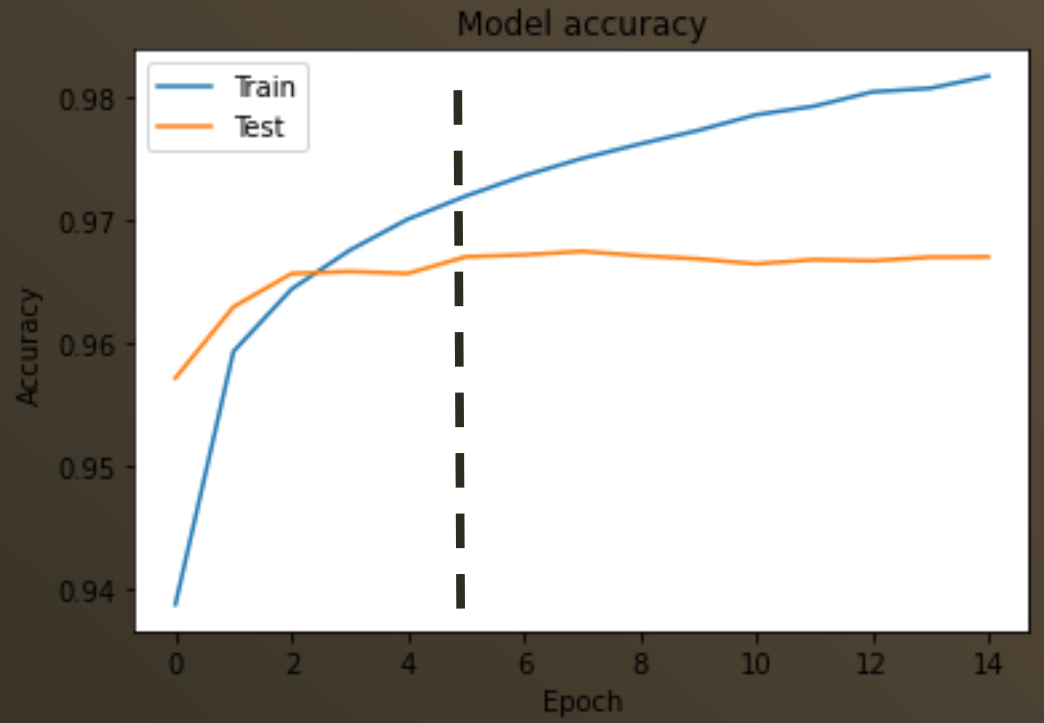


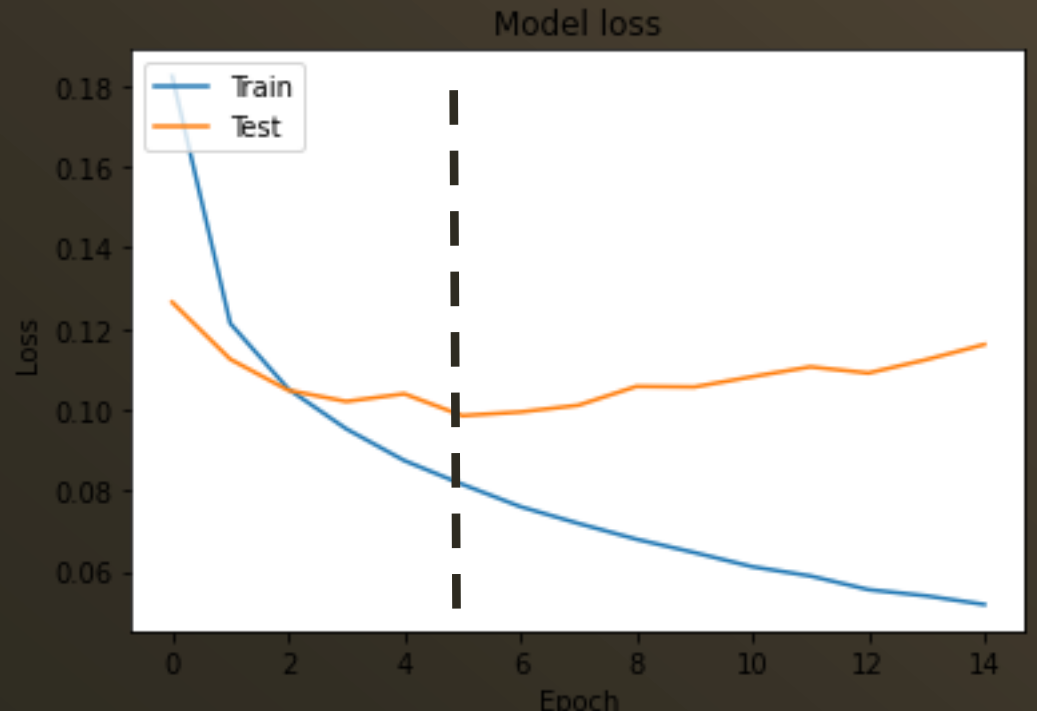
```
Model: "sequential_3"
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
conv2d_7 (Conv2D)            (None, 27, 27, 32)        160
_________________________________________________________________
conv2d_8 (Conv2D)            (None, 25, 25, 64)        18496
_________________________________________________________________
max_pooling2d_5 (MaxPooling2 (None, 12, 12, 64)        0
_________________________________________________________________
conv2d_9 (Conv2D)            (None, 8, 8, 128)         204928
_________________________________________________________________
max_pooling2d_6 (MaxPooling2 (None, 4, 4, 128)         0
_________________________________________________________________
dropout_3 (Dropout)          (None, 4, 4, 128)         0
_________________________________________________________________
flatten_3 (Flatten)          (None, 2048)              0
_________________________________________________________________
dense_7 (Dense)              (None, 128)               262272
_________________________________________________________________
dense_8 (Dense)              (None, 50)                6450
_________________________________________________________________
dense_9 (Dense)              (None, 5)                 255
=================================================================
Total params: 492,561
Trainable params: 492,561
Non-trainable params: 0
```

TensorFlow

NEURAL NETWORK

Keras





TensorFlow

NEURAL NETWORK

Keras

CONFUSION MATRIX

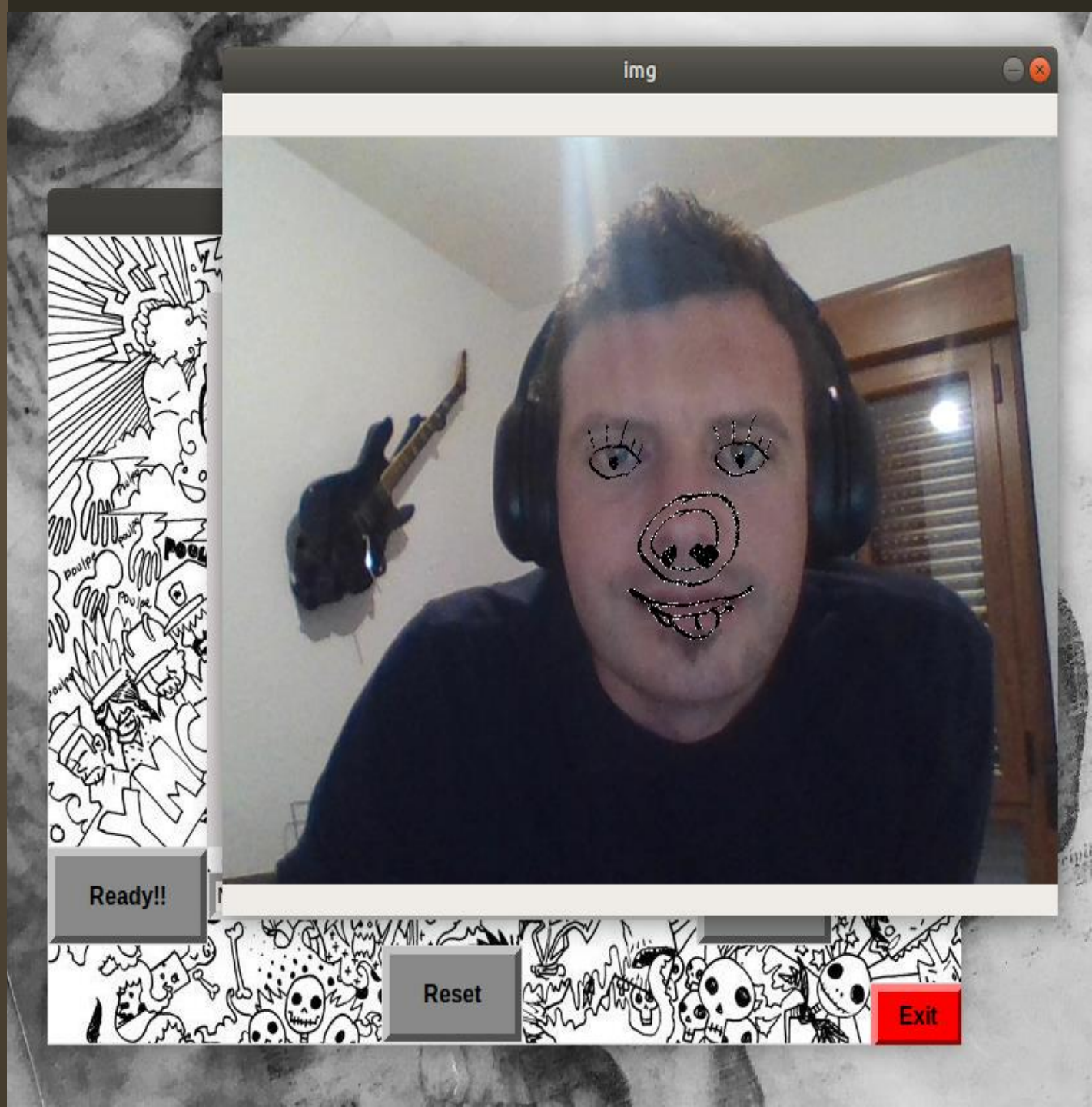
IMAGE PROCESSING

-Resizing
-Inversing
-Normalizing
-Modifying alpha channels

FEATURES SWAPPING

-Identify pixels in origin
-Redefine pixels
-Tracking
-Alpha select

FEATURES RECOGNITION

-Haar Cascades
-Face, nose, eyes, mouth
-Hyperparameter twitching

DEMO TIME!