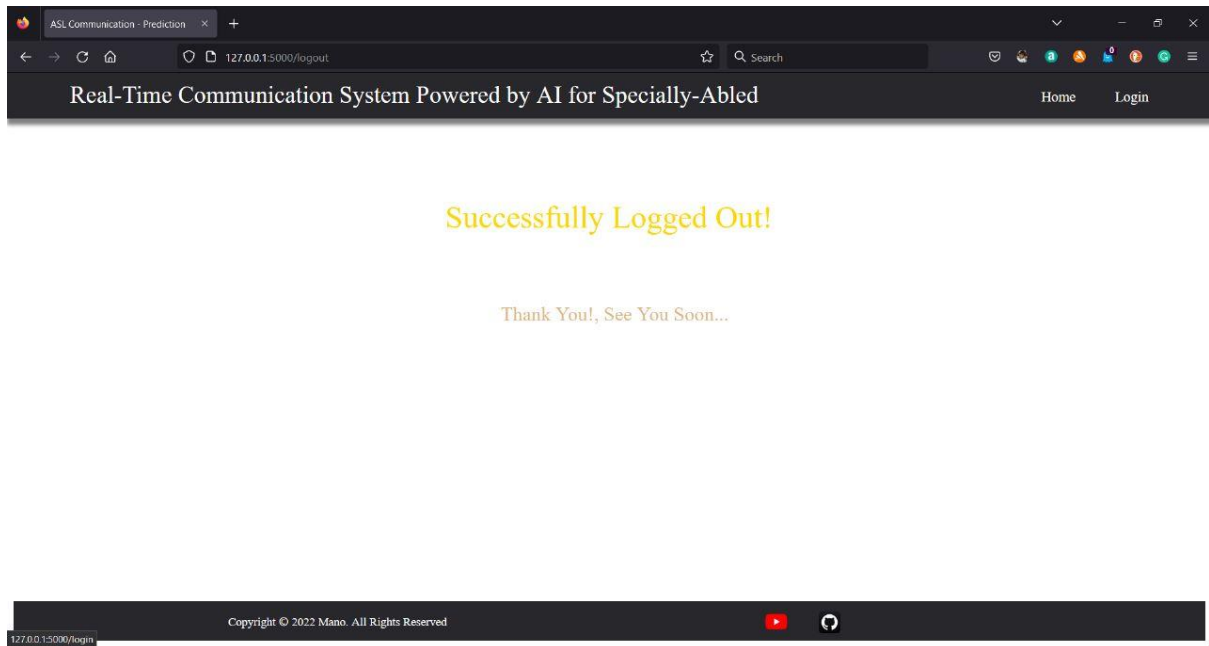


SPRINT 3 – REPORT

- Design of Logout Page:



- Building and updating the model to better fit our application:

```
model.summary()
Model: "sequential"
```

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 48, 48, 32)	320
max_pooling2d (MaxPooling2D)	(None, 24, 24, 32)	0
dropout (Dropout)	(None, 24, 24, 32)	0
conv2d_1 (Conv2D)	(None, 22, 22, 64)	18496
max_pooling2d_1 (MaxPooling2D)	(None, 11, 11, 64)	0
dropout_1 (Dropout)	(None, 11, 11, 64)	0
conv2d_2 (Conv2D)	(None, 9, 9, 128)	73856
max_pooling2d_2 (MaxPooling2D)	(None, 4, 4, 128)	0
dropout_2 (Dropout)	(None, 4, 4, 128)	0
conv2d_3 (Conv2D)	(None, 2, 2, 256)	295168
max_pooling2d_3 (MaxPooling2D)	(None, 1, 1, 256)	0
dropout_3 (Dropout)	(None, 1, 1, 256)	0
flatten (Flatten)	(None, 256)	0
dense (Dense)	(None, 1024)	263168
dense_1 (Dense)	(None, 512)	524800
dense_2 (Dense)	(None, 37)	18981

```
=====
Total params: 1,194,789
Trainable params: 1,194,789
Non-trainable params: 0
=====
```

Epoch 1/5
148/148 [=====] - 621s 4s/step - loss: 1.3820 - accuracy: 0.5761 - val_loss: 0.2260 - val_accuracy: 0.9277
Epoch 2/5
148/148 [=====] - 409s 3s/step - loss: 0.2043 - accuracy: 0.9297 - val_loss: 0.0541 - val_accuracy: 0.9820
Epoch 3/5
148/148 [=====] - 472s 3s/step - loss: 0.1160 - accuracy: 0.9595 - val_loss: 0.0354 - val_accuracy: 0.9903
Epoch 4/5
148/148 [=====] - 389s 3s/step - loss: 0.0769 - accuracy: 0.9734 - val_loss: 0.0117 - val_accuracy: 0.9964
Epoch 5/5
148/148 [=====] - 205s 1s/step - loss: 0.0564 - accuracy: 0.9802 - val_loss: 0.0077 - val_accuracy: 0.9984