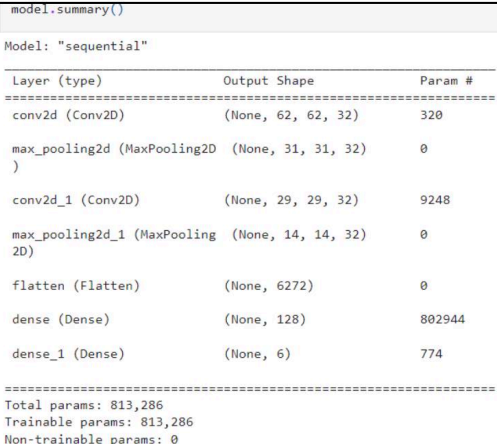


## Project Development Phase Model Performance Test

Date	15 Nov 2022
Team ID	PNT2022TMID42641
Project Name	A Gesture Based Tool For Sterile Browsing of Radiology Images
Maximum Marks	10 Marks

### Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.NO	Parameter	Values	Screen Shot
1.	Model Summary	<pre> conv2d (Conv2D) - 320 max_pooling2d (MaxPooling2D) - 0 conv2d_1 (Conv2D) - 9248 max_pooling2d_1 (MaxPooling2D) - 0 flatten (Flatten) - 0 dense (Dense) - 802944 dense_1 (Dense) - 774 ===== Total params: 813,286 Trainable params: 813,286 Non-trainable params: 0 </pre>	 <pre> model.summary()  Model: "sequential" Layer (type)                Output Shape                Param # ----- conv2d (Conv2D)              (None, 62, 62, 32)         320 max_pooling2d (MaxPooling2D) (None, 31, 31, 32)         0 conv2d_1 (Conv2D)            (None, 29, 29, 32)         9248 max_pooling2d_1 (MaxPooling2D) (None, 14, 14, 32)         0 flatten (Flatten)            (None, 6272)               0 dense (Dense)                (None, 128)                802944 dense_1 (Dense)              (None, 6)                  774 Total params: 813,286 Trainable params: 813,286 Non-trainable params: 0 </pre>

2.	Accuracy	<p>Training Accuracy-99%</p> <p>Validation Accuracy-96%</p>	<pre> model.fit_generator(x_train,                     steps_per_epoch = 134/3,                     epochs = 25,                     validation_data = v_test,                     validation_steps = 30/3 )  Epoch 1/25 130/130 [=====] - 7s 34ms/step - loss: 1.3144 - accuracy: 0.4700 - val_loss: 0.7014 - val_accuracy: 0.7000 Epoch 14/25 130/130 [=====] - 7s 34ms/step - loss: 0.8704 - accuracy: 0.9704 - val_loss: 0.4142 - val_accuracy: 0.9333 Epoch 15/25 130/130 [=====] - 7s 34ms/step - loss: 0.8749 - accuracy: 0.9687 - val_loss: 0.4070 - val_accuracy: 0.9667 Epoch 16/25 130/130 [=====] - 7s 34ms/step - loss: 0.8529 - accuracy: 0.9832 - val_loss: 0.3779 - val_accuracy: 0.9667 Epoch 17/25 130/130 [=====] - 7s 34ms/step - loss: 0.8412 - accuracy: 0.9889 - val_loss: 0.4024 - val_accuracy: 0.9800 Epoch 18/25 130/130 [=====] - 7s 35ms/step - loss: 0.8394 - accuracy: 0.9788 - val_loss: 0.2846 - val_accuracy: 0.9667 Epoch 19/25 130/130 [=====] - 7s 35ms/step - loss: 0.8070 - accuracy: 0.9747 - val_loss: 0.3575 - val_accuracy: 0.9667 Epoch 20/25 130/130 [=====] - 7s 34ms/step - loss: 0.8388 - accuracy: 0.9889 - val_loss: 0.3367 - val_accuracy: 0.9667 Epoch 21/25 130/130 [=====] - 7s 35ms/step - loss: 0.8381 - accuracy: 0.9885 - val_loss: 0.2932 - val_accuracy: 0.9333 Epoch 22/25 130/130 [=====] - 7s 35ms/step - loss: 0.8422 - accuracy: 0.9885 - val_loss: 0.3018 - val_accuracy: 0.8667 Epoch 23/25 130/130 [=====] - 7s 34ms/step - loss: 0.8319 - accuracy: 0.9885 - val_loss: 0.3459 - val_accuracy: 0.9667 Epoch 24/25 130/130 [=====] - 7s 35ms/step - loss: 0.8385 - accuracy: 0.9815 - val_loss: 0.3381 - val_accuracy: 0.9667 Epoch 25/25 130/130 [=====] - ETA: 0s - loss: 0.8130 - accuracy: 0.99 - 7s 34ms/step - loss: 0.8130 - accuracy: 0.9966 - val_loss: 0.2881 - val_accuracy: 0.9667 </pre>
3.	Confidence Score(Only Yolo Projects)	<p>Class Detected-</p> <p>Confidence Score</p>	NA

# Locust Test Report

During: 11/15/2022, 10:02:47 PM - 11/15/2022, 10:04:47 PM  
Target Host: http://127.0.0.1:5000/  
Script: locustfile.py

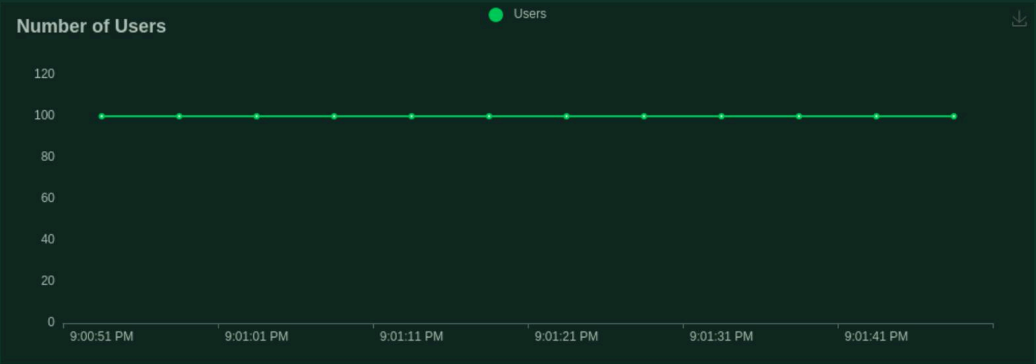
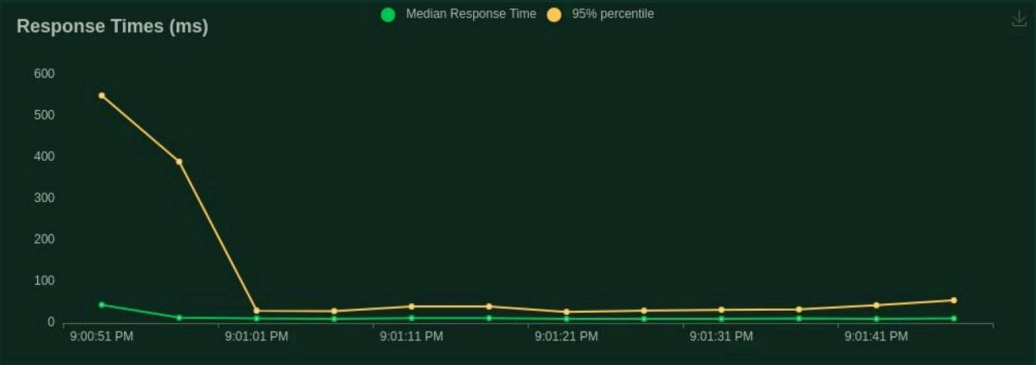
## Request Statistics

Method	Name	# Requests	# Fails	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	RPS	Failures/s
GET	//about	3852	0	13	2	300	3768	64.4	0.0
POST	//login	100	0	431	84	662	2032	1.7	0.0
GET	//predict	3852	0	30	7	556	2029	64.4	0.0
GET	//register	3852	0	13	2	302	2145	64.4	0.0
Aggregated		11656	0	22	2	662	2642	194.8	0.0

## Response Time Statistics

Method	Name	50%ile (ms)	60%ile (ms)	70%ile (ms)	80%ile (ms)	90%ile (ms)	95%ile (ms)	99%ile (ms)	100%ile (ms)
GET	//about	8	9	11	14	20	29	150	300
POST	//login	490	550	580	620	630	630	660	660
GET	//predict	18	21	24	30	41	60	370	560
GET	//register	8	10	12	15	22	30	140	300
Aggregated		11	13	16	21	31	50	360	660

## Charts



## Final ratio

### Ratio per User class

- 100.0% QuickstartUser
  - 100.0% performance

### Total ratio

- 100.0% QuickstartUser
  - 100.0% performance