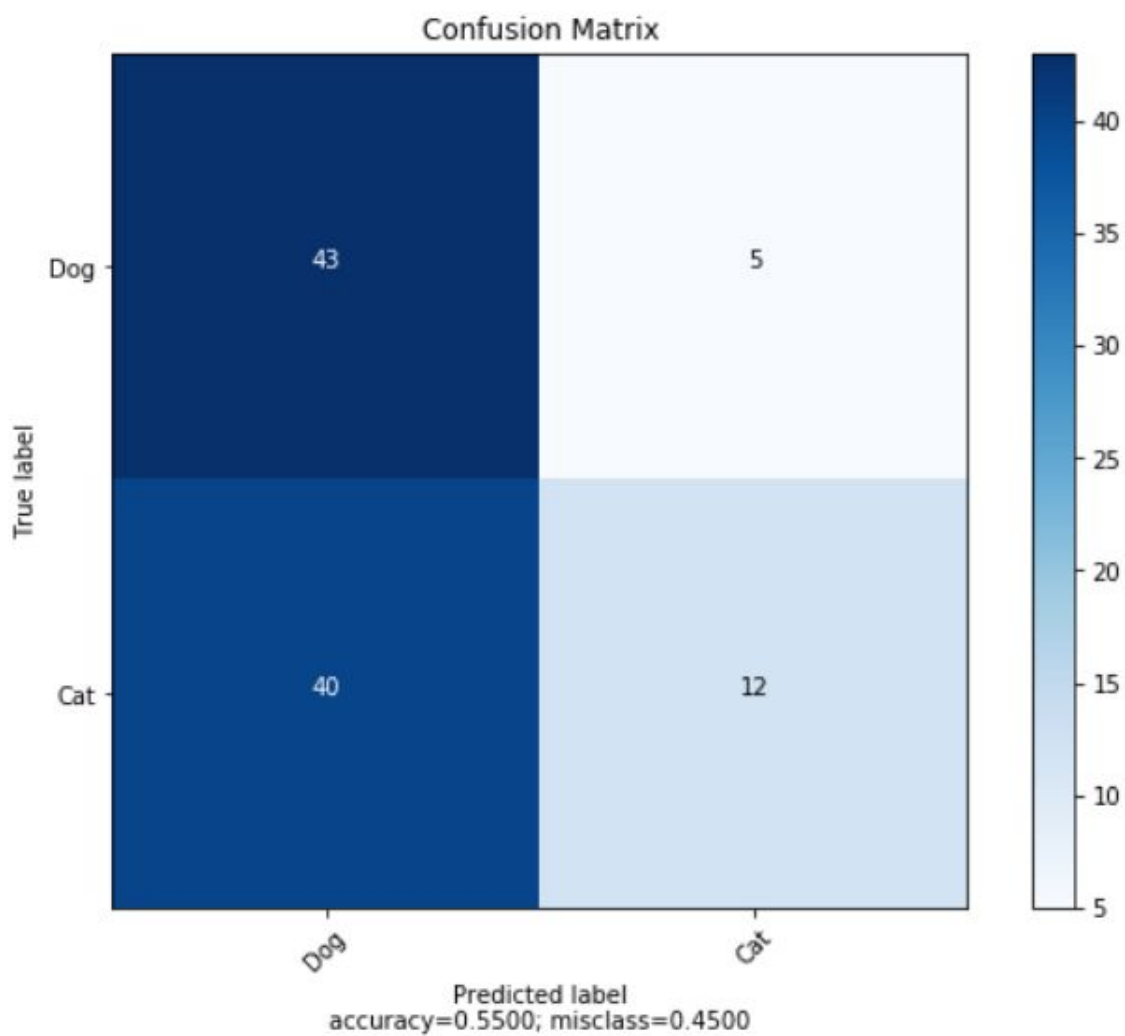


Dog classified as Dog: 30
Cat classified as Cat: 17
Cat classified as Dog: 43
Dog Classified as Cat: 10

Accuracy: 47%

Confusion Matrix (Best):



Accuracy Achieved using zero hidden layers (Akin to logistic regression):

Accuracy Achieved using two hidden layer:

Predictions over 100 test samples: [1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 0, 1, 1, 0, 1, 1, 0, 1, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 0, 1, 1, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1]

Dog classified as Dog: 41

Cat classified as Cat: 17

Cat classified as Dog: 35

Dog Classified as Cat: 7

Accuracy: 58%

Confusion Matrix:

