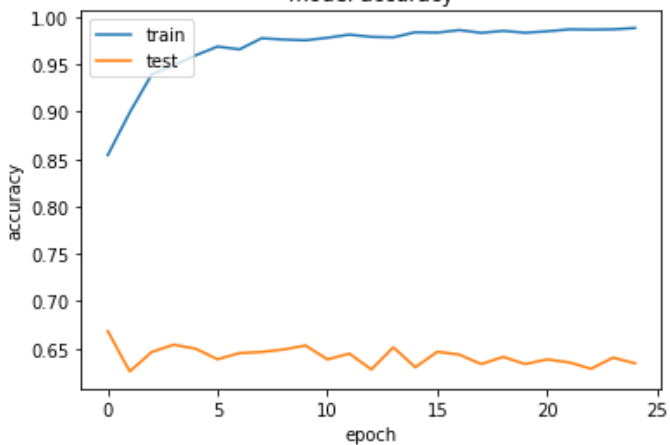
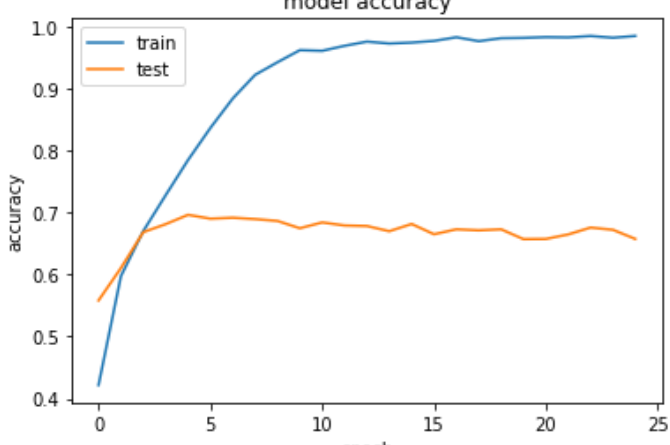
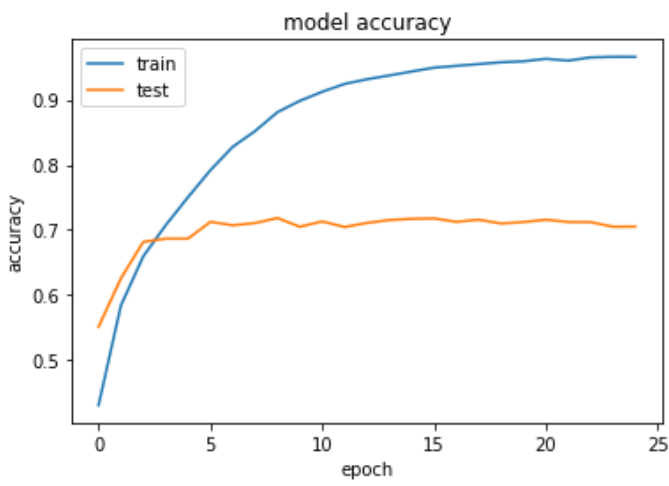
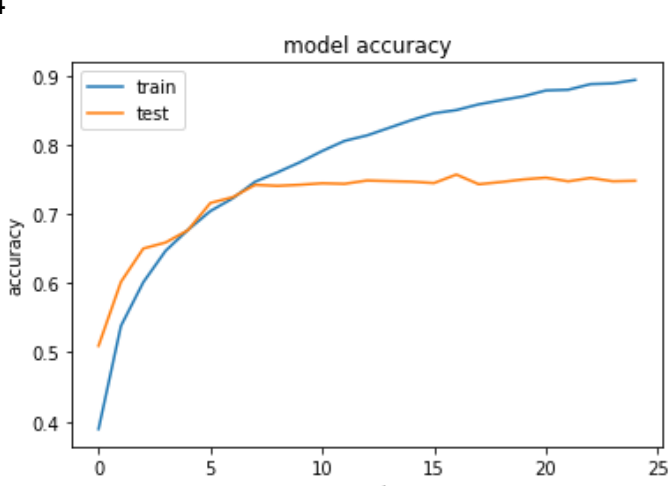


Daniel Crawford (dsc160130)  
Abhishek Thurlpati (vxt160630)

Iteration	Parameters	Training and Test Accuracy
<p>1</p> 	<p>Number of Conv layers: 1 Filters: 50 of size (3x3) Number of Max Pool: 1 Max pool: size (2x2) of stride 1 Number of Dense layers: 3 Layer Kernel sizes: (1000, 100, 10) Activation Function: ReLU Number of Epochs: 25 L2 Regularization Constant: 0</p>	<p>Training Acc: 99.20 Val Acc: 63.44 Test Acc: 62.42</p>
<p>2</p> 	<p>Number of Conv layers: 2 Filters: 50 of size (3x3) and 50 of size (3x3) Number of Max Pool: 2 Max pool: size (2x2) of stride 1 and size (2x2) of stride 1 Number of Dense layers: 3 Layer Kernel sizes: (1000, 100, 10) Activation Function: ReLU Number of Epochs: 25 L2 Regularization Constant: 0</p>	<p>Training Acc: 98.69 Val Acc: 65.70 Test Acc: 65.06</p>
<p>3</p>	<p>Number of Conv layers: 2 Filters: 50 of size (3x3) and 50 of size (3x3) Number of Max Pool: 2 Max pool: size (2x2) of stride 1 and size (2x2) of stride 1 Number of Dense layers: 3 Layer Kernel sizes: (1000, 100, 10) Activation Function: ReLU Number of Epochs: 25 L2 Regularization Constant: 0</p>	<p>Training Acc: 96.54 Val Acc: 70.53 Test Acc: 69.49</p>

 <p>model accuracy</p> <p>accuracy</p> <p>epoch</p> <p>train</p> <p>test</p>	<p>Dropout: .2 on every layer but output layer</p>	
<p>4</p>  <p>model accuracy</p> <p>accuracy</p> <p>epoch</p> <p>train</p> <p>test</p>	<p>Number of Conv layers: 3  Filters: 50 of size (3x3) and 50 of size (3x3) and 50 of size (3x3)  Number of Max Pool: 2  Max pool: size (2x2) of stride 1 and size (2x2) of stride 1 and size (2x2) of 2  Number of Dense layers: 3  Layer Kernel sizes: (1000, 100, 10)  Activation Function: ReLU  Number of Epochs: 25  L2 Regularization Constant: 0  Dropout: .2 on every layer but output layer</p>	<p>Training Acc: 89.96  Val Acc: 74.80  Test Acc: 74.44</p>