Part B Report

Ques 1:

Resizing the images proved successful. In order to account for there only being 10 classes, I could have retrained the model and relaced the final layer.

Ques 2:

* Using different learning rates on different layers
* Froze the first layers
* Using dropout for regularization

Ques 3:

Training from scratch comes with many more potential complications, but much more customization to fit the specific dataset the user wants to use. Fine tuning a pre-trained model was easier and the results were a bit clearer. Having higher learning rates on the final layers and lower learning rates on the first layers seemed to help the model adapt a bit quicker to the new data.

Ques 4:

<https://github.com/BulletsWrath/Homework5-Part-B.git>