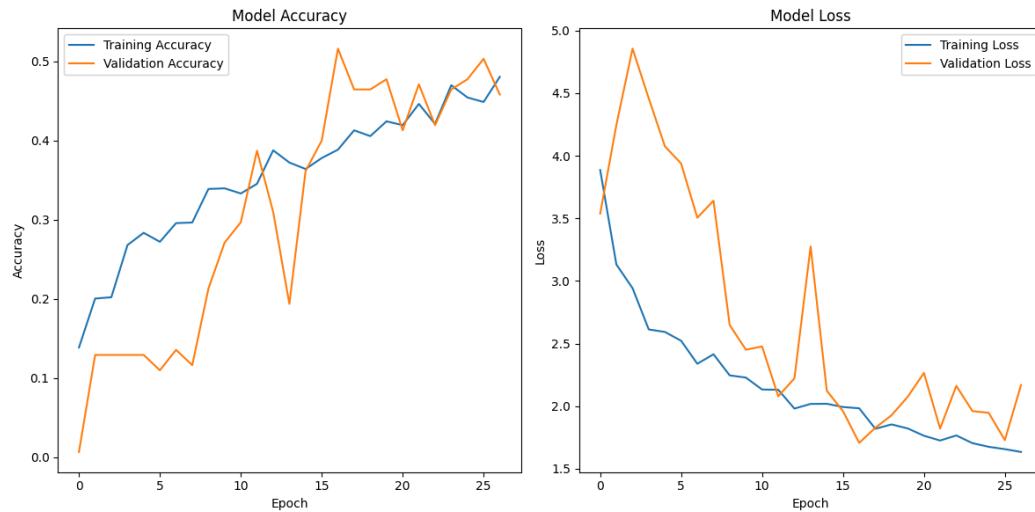


Our first modeling approach, which involved creating our own CNN, yielded very low accuracy. Therefore, we decided to import a pre-trained model, with the hope of achieving faster results and higher accuracy. Here are our results from the original self-made CNN, then our new CNN model, which utilized transfer learning with MobileNetV2:

### **First Attempt with CNN model trained from scratch.**

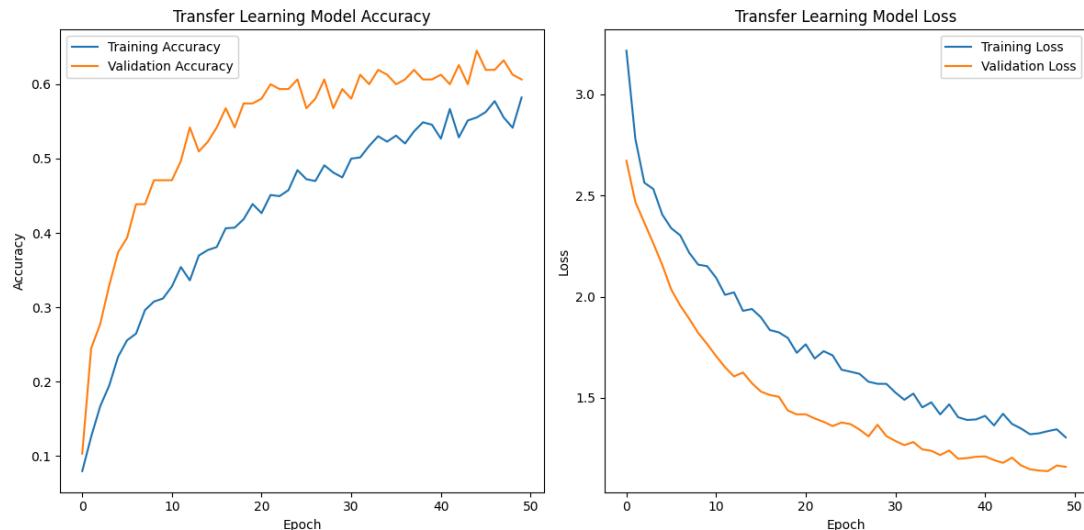
**Accuracy: 5.16%**



### **Second attempt using a pre-trained MobileNetV2 CNN model.**

**Accuracy: 55.48%**

**Loss: 1.3629**



**A bar chart for the distribution of IUCN conservation statuses.**

Distribution of Classified Shark Species by IUCN Conservation Status (Transfer Learning Model)

