Team members: Jaryd Meek, Elena Smith, Emily Parker

Labels of the three classes:

• Baseball

• Lightbulb

• Plant

5 Screenshots of you testing your model. Include one screenshot for each object. Your screenshot should clearly show the object and the class labels.

Baseball -

Plants -

Lightbulbs -

Teachable Machine

Plant
10 Image Samples
Webcam | Upload

Baseball
10 Image Samples
Webcam | Upload

Lightbulb
10 Image Samples
Webcam | Upload

Add a class

Training
Model Trained
Advanced

Preview — Export Model
Input — ON — Webcam
Output
Plant
Baseb...
Light... 98%

English (U.S.) — release-2-3-1 - 2.3.1#3c7749 - 99

Teachable Machine

Plant
10 Image Samples
Webcam | Upload

Baseball
10 Image Samples
Webcam | Upload

Lightbulb
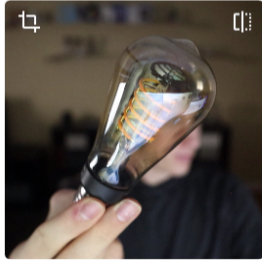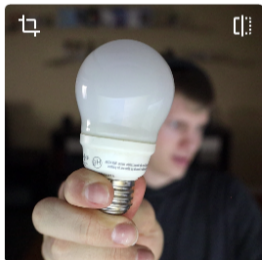10 Image Samples
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1. If someone were to use your model in real life, what problems would they have?

    They could possibly have problems with getting lightbulbs and baseballs confused, as well as getting baseball and plants confused. This is because a lightbulb is a round white object similar to a baseball, so the AI could get confused between them. Baseball and plants could get confused since the images I used for baseball include plants in the background (as baseballs are usually around grass) and this could possibly confuse the AI.

2. What could you do to mitigate those problems?

    Find better sample images. Make sure that the baseball images show the laces clearly, which should make the AI more accurate if it can find the laces on the image. Also, I could use pictures of baseballs without grass to train the AI so that it wouldn't risk getting confused between baseball and plants.

Feedback:

- Write a short paragraph reviewing your partner's model. Include what worked well and **at least 2** example situations where someone might encounter problems with their model.

Elena Smith -

      One thing that worked well is the lightbulbs! I was surprised that the clear lightbulb you tested was strongly identified as a lightbulb. I would've thought that background interference would make the model misidentify clear lightbulbs. One problem was that your model slightly confused one of your plants with a baseball or lightbulb. I thought that maybe the problem with that plant tested is that it was in a round pot that may look similar to a baseball or lightbulb. So someone could potentially encounter problems with your model if they have plants in round or white pots. Another problem that someone might run into is perhaps if the plant being tested looks significantly different from the sample plant photos you inputted into the model. To fix that, you could just add more plant sample images.