Food Detection Software

This Software runs on the server (Cloud)

1. **Install on the server the Software fort he object detection and classification**

   git clone https://github.com/pjreddie/darknet
   cd darknet
   make

2. **Download the pre-trained Neural Networks**

   wget https://pjreddie.com/media/files/yolov3.weights

3. **Run the software to detect and classify the food in the fridge from the captured images from Raspberry PI**

   ./darknet detector test cfg/coco.data cfg/yolov3.cfg yolov3.weights data/raspberry_pi_photo_000001.jpg

4. **By default, YOLO only displays objects detected with a confidence of .25 or higher. You can change this by passing the -thresh flag to the yolo command. To display all detection you can set the threshold to 0:**

   ./darknet detect cfg/yolov3.cfg yolov3.weights data/dog.jpg -thresh 0