Project Title: Flower Recognition

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General Idea:

Given an image that contains a flower, the program identify the flower and its species in the image.

Scope of Work:

1. Download flower species dataset from university of oxford Segmentations for Flower Image Datasets and Others. link: http://www.robots.ox.ac.uk/~vgg/data/bicos/
2. Identify flower in an image
3. Train flower dataset that can predict which species it belongs to
4. Visualize the results: draw a bounding box around the detected flower and label the flower species

Proportion of work:

In this project, the work will be divided into two main parts: identify flower in an image (segmentation) and identify flower species (recognition).

Difficulties:

a) In order to identify the flower from image, the image needs to be segmented which remove the background of the image and only contains flower from the image.

b) In order to recognize the flower, the program needs to first train images from the dataset and then match the flower extracted to correct species.