**COSC 189.02 – Lab 1 – Team # XX**

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**Abstract**

This project aims to visually classify 5 fruits, namely apple, guava, peach, mango and pomegranate. In order to be able to recognize the most general image to a good extent, the assortment of images includes 800+ images of fruits that vary in background, multiplicity, cuts, levels of ripening, exposure, etc. These are then split into training and test sets. The python code is a web application using Flask API on top of the Watson visual recognition API that extends the classifier functionality to a webpage. Users can upload custom images from local directory to the webpage and view matches along with their respective match scores as a list.

**Video:** add link

**Tools:**

* **Server-side:** Python’s Flask API, Python OS library, IBM Watson visual recognition API
* **Client-side:** JavaScript, jQuery, AJAX, HTML5, CSS3, Bootstrap

**Techniques**

The Watson As mentioned

**Data Sources**

As mentioned

**Special processing requirements**

As mentioned

**Problems and solutions**

As mentioned

**Redoing experiments with more/different images**

As mentioned

**Summary of results**

As mentioned

**Assessment of the resulting system’s effectiveness**

As mentioned

**Improvements**

As mentioned

**References**

As mentioned