VISUAL RECOGNIZER

KULDEEP SINGH

January 13, 2018

Overview

Visual Recognition understands the contents of images. Analyze images for scenes, objects, faces, colors, food, and other subjects that can give you insights into your visual content.

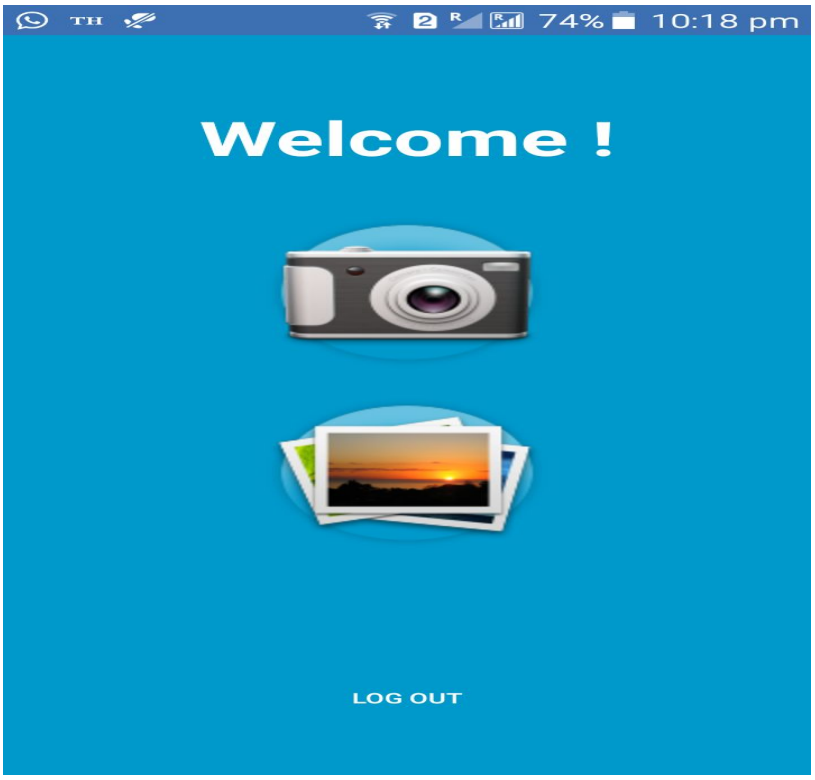
This is an app using ibm watson service to predict informations about an image taken from the gallery or clicked by camera. Here, we can detect faces, interpret the age, gender,color etc.

Goals

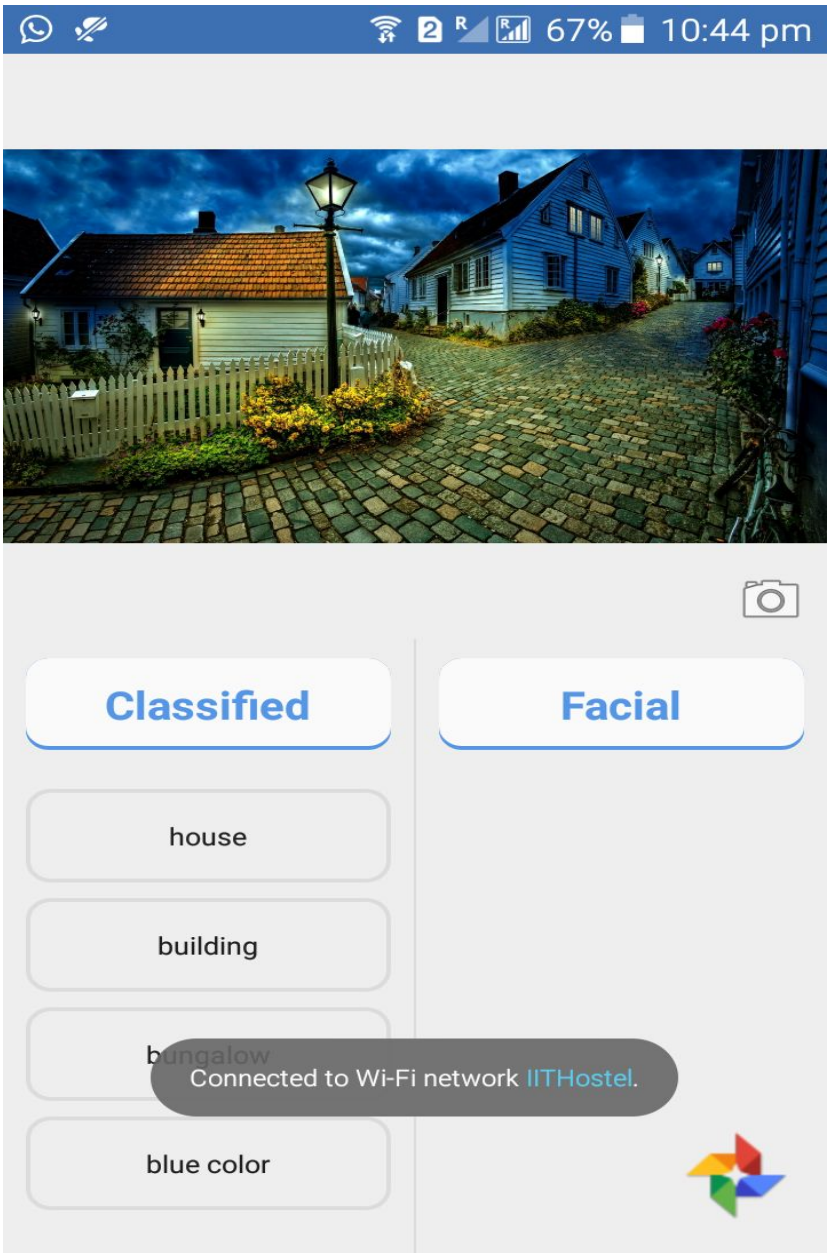
- **Analysis of image:** The goal of this app is to analyse image and retrieve information about the image
- **Machine Learning :** Quickly and accurately tag, classify and train visual content using machine learning.

How to use :

- Users can login to the app using their google account. After logging, users will be asked to choose “camera” or “gallery” to load image as show in the figure..



- User can choose either gallery or camera. Depending on user's choice, the user will be directed to camera app or gallery app of the user's mobile phone.
- Once the image is selected or image is clicked, the user will be directed to a new activity and the process of image analysis will be initiated.
- Other than clicking on the camera icon, the user can also swipe right to the image (which is the image already loaded) to go to the camera app directly.
- User can also refresh the data or reload by swiping down the image view.


67% 10:44 pm
Classified
Facial
house
building
bungalow
blue color
Connected to Wi-Fi network IITHostel.

Requirements

- User must have a Google account to login.
- Good internet is necessary to load data about the specifications of selected image.

References :

Google images, stacksoverflow, ibm official website, android developers, google consoles, etc.