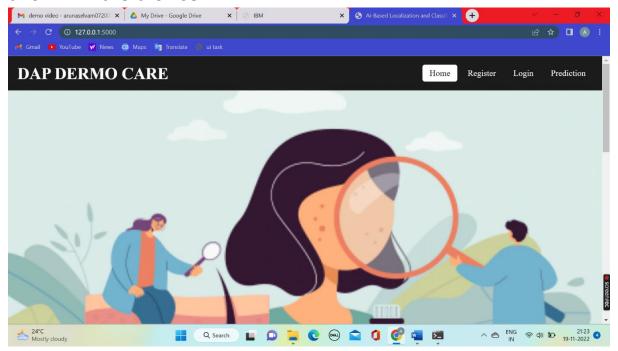
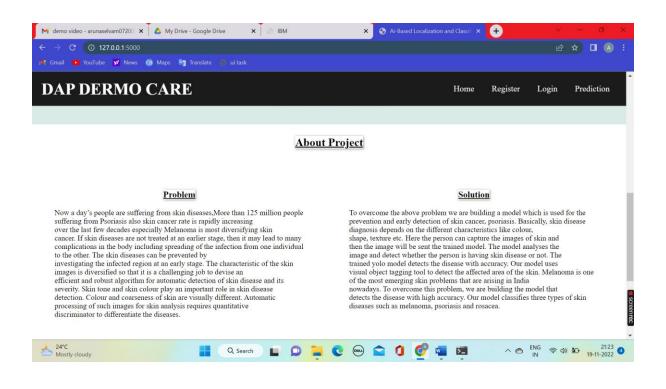
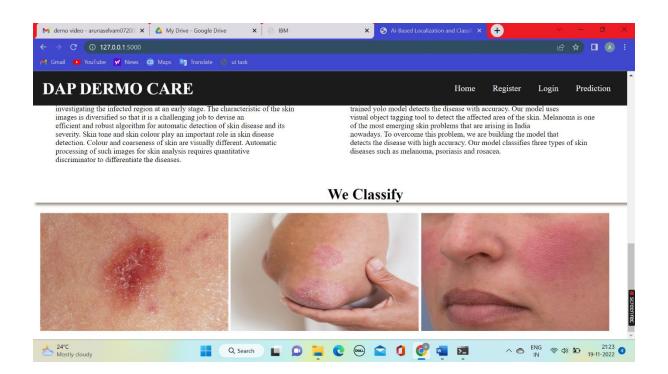
### **RUN THE APPLICATION**

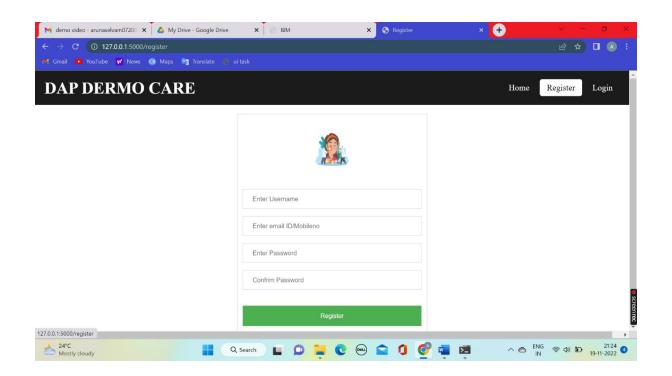
Running app.py file in anaconda prompt:

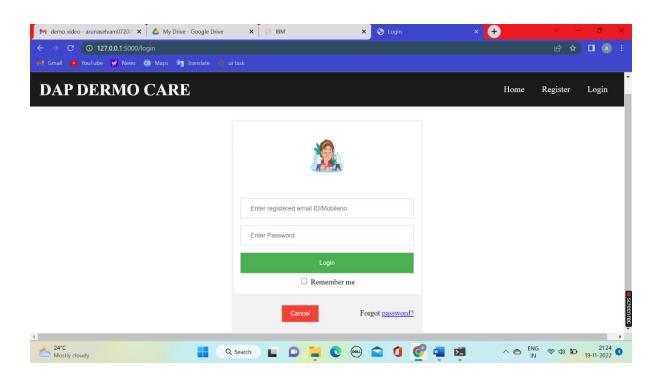
It will take you to the localhost link <a href="http://127.0.0.1:5000">http://127.0.0.1:5000</a>. Then open this link in the browser.

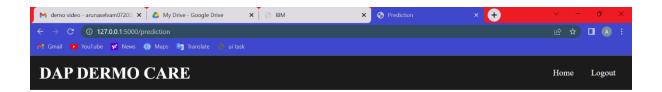












#### DAP DERMO CARE - AI based localization and classification of skin disease with erythema

Now a day's people are suffering from skin diseases, More than 125 million people suffering from Psoriasis also skin cancer rate is rapidly increasing over the last few decades especially Melanoma is most diversifying skin cancer. If skin diseases are not treated at an earlier stage, then it may lead to complications in the body including spreading of the infection from one individual to the other. The skin diseases can be prevented by investigating the infected region at an early stage. The characteristic of the skin images is diversified so that it is a challenging job to devise an efficient and robust algorithm for automatic detection of skin disease and its severity. Skin tone and skin colour play an important role in skin disease detection. Colour and coarseness of skin are visually different. Automatic processing of such images for skin analysis requires quantitative discriminator to differentiate the diseases.











#### **Output:**

```
C:\Users\aruna\OneDrive\Desktop\yolo_structure\Data\Model_Weights\trained_weights_final.h5 model, anchors, and classes loaded in 38.4 3sec.

C:\Users\aruna\OneDrive\Desktop\yolo_structure\Data\Model_Weights\trained_weights_final.h5 model, anchors, and classes loaded in 38.4 3sec.

Will9 23:04:46.119661 8620 deprecation.py:323] From C:\Users\aruna\AppData\Roaming\Python\Python37\site-packages\tensorflow_core\python\pos\array_ops.py:1475: where (from tensorflow.python.ops.array_ops) is deprecated and will be removed in a future version. Instructions for updating:

Use tf.where in 2.0, which has the same broadcast rule as np.where Found 3 input labels: ['melanoma', 'psoriasis', 'rosacea'] ...
Found 7 input images: ['images.jpg', 'melanoma.png', 'psoriasis (360).jpg', 'psoriasis.jpg', 'Rosacea (1).jpg'] ...
C:\Users\aruna\OneDrive\Desktop\yolo_structure\Data\Source_Images\Test_Images\images.jpg

(416, 416, 3)
Found 1 boxes for img

nelanoma 0.70 (362, 56) (589, 486)
Fine spent: 7.185sec

4.117602494991928 -166.72297042952198
C:\Users\aruna\OneDrive\Desktop\yolo_structure\Data\Source_Images\Test_Images\psoriasis (360).jpg

(416, 416, 3)
Found 1 boxes for img

nelanoma 0.70 (362, 56) (589, 486)
Fine spent: 2.185sec

4.117602494991928 -166.72297042952198
C:\Users\aruna\OneDrive\Desktop\yolo_structure\Data\Source_Images\Test_Images\psoriasis (360).jpg

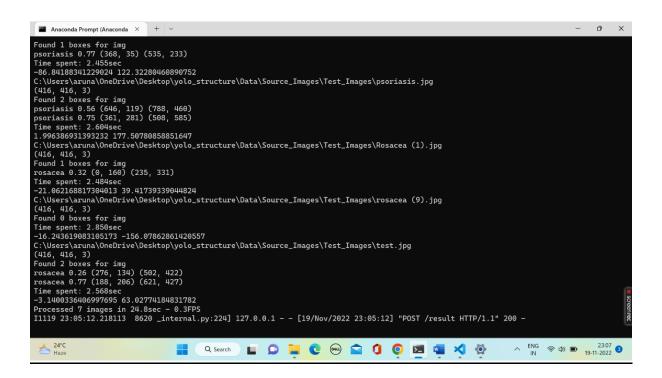
(416, 416, 3)
Found 1 boxes for img

nsoriasis 0.77 (368, 35) (535, 233)
Fine spent: 2.455sec

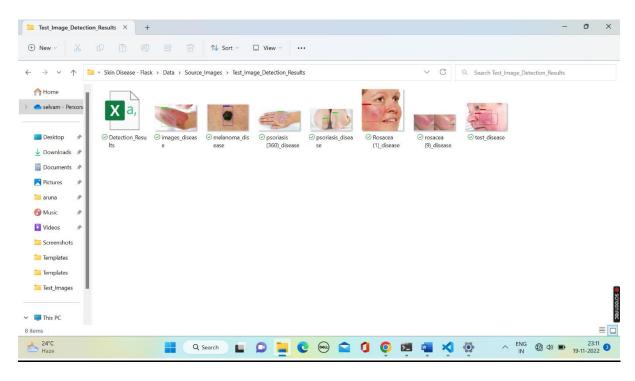
4.8.4818381229094 122.32280460890752
C:\Users\aruna\OneDrive\Desktop\yolo_structure\Data\Source_Images\Test_Images\psoriasis.jpg

(416, 6), 3)
Found 2 boxes for img

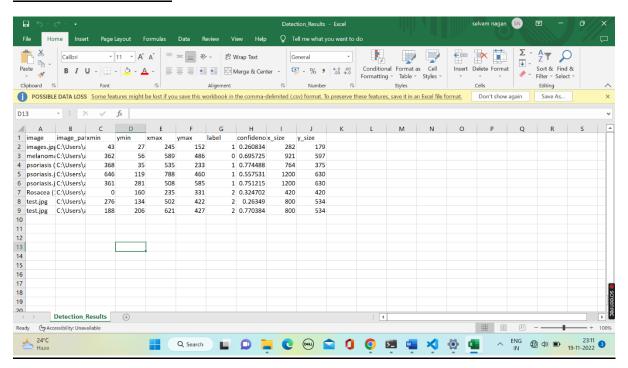
nsoriasis 0.56 (646, 119) (788, 460)
psoriasis 0.75 (361, 281) (508, 585)
Fine spent: 2.604sec
```



## **Test Image Results Folder:**



## **Detection.csv file:**



# **Detected Images:**

