PROJECT DEVELOPMENT PHASE SPRINT 4

Index.html :

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <meta charset="UTF-8" />
   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <!-- CSS only -->
   <link

href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.cs
s"
     rel="stylesheet"

integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9B
v1WTRi"
     crossorigin="anonymous"
   />
   <title>Home</title>
 </head>
 <body>
   <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
     <div class="container-fluid">
       <div></div>

       <div class="collapse navbar-collapse d-flex" id="navbarScroll">
         <ul
           class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
           style="--bs-scroll-height: 100px"
         >
           <li class="nav-item">
```

```
            <a class="nav-link active" aria-current="page"
href="/">Skinnovation</a>
          </li>
        </ul>

        <div class="d-flex" role="search">
          <ul
            class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
            style="--bs-scroll-height: 100px"
          >
            <li class="nav-item">
              <a class="nav-link active" aria-current="page"
href="/">Home</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/login">login</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/register">Register</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/prediction">Prediction</a>
            </li>
          </ul>
        </div>
      </div>
    </div>
  </nav>

  <img  src="/static/skin-problem.jpg" height="1200" width="1500" alt="Skin
Disease" srcset="" />

  <p style="font-family:tahoma;">
```

```
    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.


    To overcome the above problem we are building a model which is used for
the prevention and early detection of skin cancer, psoriasis. Basically,
skin disease diagnosis depends on the different characteristics like colour,
shape, texture etc. Here the person can capture the images of skin and then
the image will be sent the trained model. The model analyses the image and
detect whether the person is having skin disease or not.</p>
 <h1 class="head">Proposed Solution</h1>
 <p style="font-family:tahoma;">
    Different skin disorders can be detected by just
    submitting photographs, and this approach is
    quite effective at helping people in the
    community identify ailments earlier.
    Our return on investment will be the creation
    and distribution of a proprietary product that
    will be used as a solution.
    This system is more scalable because it accepts
    any picture type, regardless of resolution, and
    offers good performance in any situation.
 </p></div>
 </body>
 <!-- JavaScript Bundle with Popper -->
 <script
```

```
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"

integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
   crossorigin="anonymous"
 ></script>
</html>
```

Login.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <meta charset="UTF-8" />
   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <title>Login</title>
   <link

href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css"
     rel="stylesheet"

integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
     crossorigin="anonymous"
   />
 </head>
 <style>
   .wrapper {
     margin-top: 80px;
     margin-bottom: 80px;
   }
```

```css
.form-signin {
  max-width: 380px;
  padding: 15px 35px 45px;
  margin: 0 auto;
  background-color: #fff;
  border: 1px solid rgba(0, 0, 0, 0.1);
}

.form-signin .form-signin-heading,
.form-signin .checkbox {
  margin-bottom: 30px;
}

.form-signin .checkbox {
  font-weight: normal;
}

.form-signin .form-control {
  position: relative;
  font-size: 16px;
  height: auto;
  padding: 10px;
  -webkit-box-sizing: border-box;
  -moz-box-sizing: border-box;
  box-sizing: border-box;
}

.form-signin .form-control:focus {
  z-index: 2;
}

.form-signin input[type="text"] {
  margin-bottom: -1px;
```

```
    border-bottom-left-radius: 0;
    border-bottom-right-radius: 0;
  }

  .form-signin input[type="password"] {
    margin-bottom: 20px;
    border-top-left-radius: 0;
    border-top-right-radius: 0;
  }
</style>
<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container-fluid">
      <div></div>

      <div class="collapse navbar-collapse d-flex" id="navbarScroll">
        <ul
          class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
          style="--bs-scroll-height: 100px"
        >
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="/"
              >Skinnovation</a
            >
          </li>
        </ul>

        <div class="d-flex" role="search">
          <ul
            class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
            style="--bs-scroll-height: 100px"
          >
            <li class="nav-item">
```

```
              <a class="nav-link" aria-current="page" href="/">Home</a>
            </li>
            <li class="nav-item">
              <a class="nav-link active" href="/login">login</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/register">Register</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/prediction">Prediction</a>
            </li>
          </ul>
        </div>
      </div>
    </div>
  </nav>

  <div class="wrapper">
    <form class="form-signin" method="POST">
      <h2 class="form-signin-heading text-center">Please login</h2>
      <input
        type="text"
        class="form-control"
        name="username"
        placeholder="Email Address"
        required=""
        autofocus=""
      />
      <input
        type="password"
        class="form-control"
        name="password"
        placeholder="Password"
```

```
          required=""
        />
        <div class="text-center">

        <button class="btn  btn-lg btn-primary btn-block" type="submit">
          Login
        </button>
    </div>
<div>
    <a href="/register">Don't have account ? </a>
</div>
    </form>
    </div>
 </body>
 <script

src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"

integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
    crossorigin="anonymous"
 ></script>
</html>
```

Logout.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
```

```
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <title>Logout</title>
   <link

href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.cs
s"
     rel="stylesheet"

integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9B
v1WTRi"
     crossorigin="anonymous"
   />
 </head>
 <body>
   <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
     <div class="container-fluid">
       <div></div>


       <div class="collapse navbar-collapse d-flex" id="navbarScroll">
         <ul
           class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
           style="--bs-scroll-height: 100px"
         >
           <li class="nav-item">
             <a class="nav-link active" aria-current="page" href="/"
               >Skinnovation</a
             >
           </li>
         </ul>


         <div class="d-flex" role="search">
           <ul
             class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
             style="--bs-scroll-height: 100px"
```

```
          >
            <li class="nav-item">
              <a class="nav-link" aria-current="page" href="/">Home</a>
            </li>
            <li class="nav-item">
              <a class="nav-link active" href="/login">login</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/register">Register</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/prediction">Prediction</a>
            </li>
          </ul>
        </div>
      </div>
    </div>
  </nav>



  <div class="row">
          <div class="col text-center">
              <h3>Successfully logged out</h3>
              <a class="btn btn-dark" href="/login" > login </a>
          </div>
  </div>


 </body>
 <script

src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"
```

```
integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
   crossorigin="anonymous"
 ></script>
</html>
```

prediction.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Prediction</title>
   <link

href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css"
   rel="stylesheet"

integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
   crossorigin="anonymous"
 />
</head>
<body>
```

```
   <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
      <div class="container-fluid">
        <div></div>
         <div class="collapse navbar-collapse d-flex" id="navbarScroll">
          <ul
            class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
            style="--bs-scroll-height: 100px"
          >
            <li class="nav-item">
              <a class="nav-link active" aria-current="page"
href="/">Skinnovation</a>
            </li>
          </ul>
           <div class="d-flex" role="search">
            <ul
              class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
              style="--bs-scroll-height: 100px"
            >
              <li class="nav-item">
                <a class="nav-link " aria-current="page"
href="/">Home</a>
              </li>
              <li class="nav-item">
                <a class="nav-link" href="/login">login</a>
              </li>
              <li class="nav-item">
                <a class="nav-link" href="/register">Register</a>
              </li>
              <li class="nav-item">
                <a class="nav-link active"
href="/prediction">Prediction</a>
```

```
              </li>
            </ul>
          </div>
        </div>
      </div>
    </nav>



    <div class="row">
      <div class="col">
        <br><br>
        <h2 class="title text-muted text-center p-4" >SKINALYTICS-
AI-based localization and classification of skin disease with
erythema</h1>
          <div class="line" style="width: 1000px;"></div>
      </div>
    </div>


    <div class="row p-4 ">
      <div class="col-4">
     Nowadays 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.
```

```
      </div>
      <div class="col">


        <div class="prediction-input text-center">
          <img class="d-block"
src="https://img.graphicsurf.com/2020/06/Woman-in-a-protective-mask-again
st-the-virus-concept.jpg" alt="Second slide" style="width:80%!important;
align:center; padding-left:100px">
          </br>
                  <form id="form" action="/prediction" method="post"
enctype="multipart/form-data">


                     <a type="submit" class="btn btn-primary" > Click
Me! For a Demo </a>
                  </form>
              </div>
              <h5 style="text-color:Red;" > </h5>
              <b style="text-color:Red">{{prediction}}<b>
            </h5>
   </div>
      </div>
    </div>




</body>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundl
e.min.js"
integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//
f6V8Qbsw3"
crossorigin="anonymous"
></script>
</html>
```

register.html

```
<!DOCTYPE html>

<html lang="en">

 <head>

   <meta charset="UTF-8" />

   <meta http-equiv="X-UA-Compatible" content="IE=edge" />

   <meta name="viewport" content="width=device-width, initial-scale=1.0"
/>

   <title>Register</title>

 </head>

 <link


href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min
.css"

   rel="stylesheet"


integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3UR
y9Bv1WTRi"

   crossorigin="anonymous"

 />

 <style>

   .wrapper {

     margin-top: 80px;

     margin-bottom: 80px;

   }



   .form-signin {
```

```
  max-width: 380px;
  padding: 15px 35px 45px;
  margin: 0 auto;
  background-color: #fff;
  border: 1px solid rgba(0, 0, 0, 0.1);
}

.form-signin .form-signin-heading,
.form-signin .checkbox {
  margin-bottom: 30px;
}

.form-signin .checkbox {
  font-weight: normal;
}

.form-signin .form-control {
  position: relative;
  font-size: 16px;
  height: auto;
  padding: 10px;
  -webkit-box-sizing: border-box;
  -moz-box-sizing: border-box;
  box-sizing: border-box;
}

.form-signin .form-control:focus {
  z-index: 2;
}
```

```
  .form-signin input[type="text"] {
    margin-bottom: -1px;
    border-bottom-left-radius: 0;
    border-bottom-right-radius: 0;
  }

  .form-signin input[type="password"] {
    margin-bottom: 20px;
    border-top-left-radius: 0;
    border-top-right-radius: 0;
  }
</style>
<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container-fluid">
      <div></div>

      <div class="collapse navbar-collapse d-flex" id="navbarScroll">
        <ul
          class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
          style="--bs-scroll-height: 100px"
        >
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="/"
              >Skinnovation</a
            >
          </li>
        </ul>

        <div class="d-flex" role="search">
```

```
          <ul
            class="navbar-nav me-auto my-2 my-lg-0 navbar-nav-scroll"
            style="--bs-scroll-height: 100px"
          >
            <li class="nav-item">
              <a class="nav-link" aria-current="page" href="/">Home</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/login">login</a>
            </li>
            <li class="nav-item">
              <a class="nav-link active" href="/register">Register</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/prediction">Prediction</a>
            </li>
          </ul>
        </div>
      </div>
    </div>
  </nav>
  <div class="wrapper">
    <form class="form-signin" method="POST">
      <h2 class="form-signin-heading text-center">Register Here</h2>


      <input
        type="text"
        class="form-control"
        name="username"
        placeholder="Username"
```

```
        required
        autofocus=""
      />
      <input
        type="email"
        class="form-control"
        name="email"
        placeholder="Email Address"
        required
        autofocus=""
      />
      <input
        type="password"
        class="form-control"
        name="password"
        placeholder="Password"
        required
      />

      <div class="text-center">
        <button class="btn btn-lg btn-primary btn-block" type="submit">
          Register
        </button>
      </div>
      <br>
      <div>
        <a href="/login">Already have account. </a>
      </div>
    </form>
  </div>
```

```
 </body>

 <script


src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundl
e.min.js"


integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//
f6V8Qbsw3"

   crossorigin="anonymous"

 ></script>

</html>
```

Python code to train :

import re import numpy as np

import os

from flask import Flask, app,request,render_template import sys

from flask import Flask, request, render_template, redirect, url_for
import argparse from tensorflow import keras from PIL import Image

from timeit import default_timer as timer import test

from pyngrok import ngrok import pandas as pd import numpy as np

import random

```
def get_parent_dir(n=1):
    """ returns the n-th parent dicrectory of the current     working directory """     current_path =
os.path.dirname(os.path.abspath(__file__))     for k in range(n):
current_path = os.path.dirname(current_path)     return current_path



src_path=r'/content/drive/MyDrive/IBM_PROJECT/yolo_structure/2_Training/src' print(src_path)

utils_path=r'/content/drive/MyDrive/IBM_PROJECT/yolo_structure/Utils' print(utils_path)


sys.path.append(src_path)

sys.path.append(utils_path)


import argparse

from keras_yolo3.yolo import YOLO, detect_video

from PIL import Image

from timeit import default_timer as timer

from utils import load_extractor_model, load_features, parse_input, detect_object import test import utils import pandas as pd import numpy as np

from Get_File_Paths import GetFileList import random


os.environ["TF_CPP_MIN_LOG_LEVEL"] = "3"


# Set up folder names for default values
```

```
data_folder = os.path.join(get_parent_dir(n=1), "yolo_structure",
"Data")


image_folder = os.path.join(data_folder, "Source_Images")


image_test_folder = os.path.join(image_folder, "Test_Images")


detection_results_folder = os.path.join(image_folder,
"Test_Image_Detection_Results") detection_results_file =
os.path.join(detection_results_folder, "Detection_Results.csv")


model_folder = os.path.join(data_folder, "Model_Weights")


model_weights = os.path.join(model_folder,
"trained_weights_final.h5") model_classes =
os.path.join(model_folder, "data_classes.txt")


anchors_path = os.path.join(src_path, "keras_yolo3", "model_data",
"yolo_anchors.txt")


FLAGS = None



from cloudant.client import Cloudant


# Authenticate using an IAM API key

client = Cloudant.iam('ef7f4729-2486-45c5-a7fa-f4140373e2e6-
```

bluemix','6GfFjs3engXLnSJB8Kp4fbs7HTKwrJpWJE7wNPGzZPVW', connect=True)

Create a database using an initialized client my_database = client.create_database('my_database')

app=Flask(__name__) port_no=5000 ngrok.set_auth_token("2H7aM94zEuTa40t3J6jKpIqWAc3_B2UxzZs6qxetntgadxQW") public_url = ngrok.connect(port_no).public_url

print(f"To acces the Gloable link please click {public_url}")

#default home page or route

@app.route('/') def index(): return render_template('index.html')

@app.route('/index.html') def home(): return render_template("index.html")

#registration page @app.route('/register') def register(): return render_template('register.html')

@app.route('/afterreg', methods=['POST']) def afterreg(): x = [x for x in request.form.values()] print(x) data = {

```
    '_id': x[1], # Setting _id is optional
    'name': x[0],
    'psw':x[2]
    }
    print(data)

    query = {'_id': {'$eq': data['_id']}}

    docs = my_database.get_query_result(query)     print(docs)

    print(len(docs.all()))

    if(len(docs.all())==0):
        url = my_database.create_document(data)
        #response = requests.get(url)
        return render_template('register.html', pred="Registration
Successful, please login using your details")     else:
        return render_template('register.html', pred="You are already a
member, please login using your details")


#login page @app.route('/login') def login():     return
render_template('login.html')


@app.route('/afterlogin',methods=['POST']) def afterlogin():     user =
request.form['_id']     passw = request.form['psw']     print(user,passw)
```

```
    query = {'_id': {'$eq': user}}

    docs = my_database.get_query_result(query)     print(docs)

    print(len(docs.all()))

    if(len(docs.all())==0):         return render_template('login.html',
pred="The username is not found.")     else:
if((user==docs[0][0]['_id'] and passw==docs[0][0]['psw'])):
            return redirect(url_for('prediction'))         else:
            print('Invalid User')



@app.route('/logout') def logout():     return
render_template('logout.html')


@app.route('/prediction') def prediction():     return
render_template('prediction.html',path="../static/img/6623.jpg",)



@app.route('/result',methods=["GET","POST"]) def res():
    # Delete all default flags
    parser =
argparse.ArgumentParser(argument_default=argparse.SUPPRESS)
    """
    Command line options
    """
```

```
    f = request.files['file']

f.save("./drive/MyDrive/IBM_PROJECT/Flask/static/img/"+f.filename)




    parser.add_argument(        "--input_path",        type=str,
        default=image_test_folder,
        help="Path to image/video directory. All subdirectories will be included. Default is "        + image_test_folder,
    )


    parser.add_argument(
        "--output",        type=str,
        default=detection_results_folder,
        help="Output path for detection results. Default is "        + detection_results_folder,
    )


    parser.add_argument(        "--no_save_img",        default=False,        action="store_true",
        help="Only save bounding box coordinates but do not save output images with annotated boxes. Default is False.",
    )
```

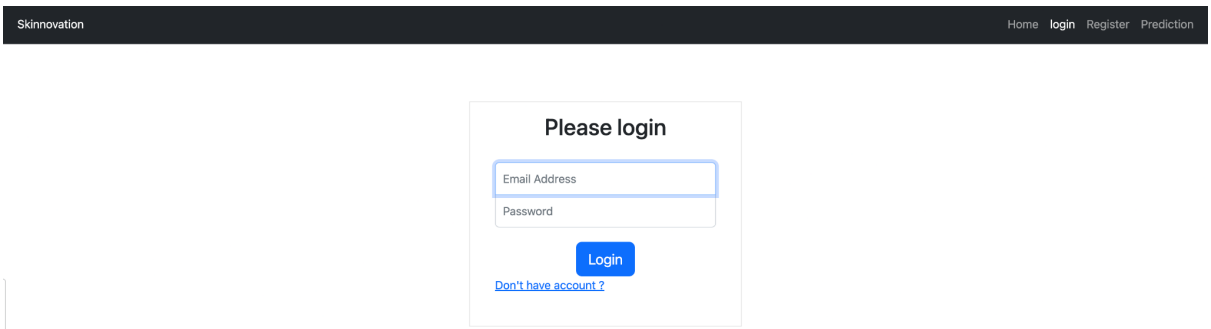
```
    parser.add_argument(
        "--file_types", "--names-list", nargs="*",
default=[],
        help="Specify list of file types to include. Default is --file_types
.jpg .jpeg .png .mp4",
    )

    parser.add_argument( "--yolo_model", type=str,
dest="model_path", default=model_weights,
        help="Path to pre-trained weight files. Default is " +
model_weights,
    )

    parser.add_argument(
        "--anchors",
        type=str,
        dest="anchors_path", default=anchors_path,
        help="Path to YOLO anchors. Default is " + anchors_path,
    )

    parser.add_argument(
        "--classes", type=str, dest="classes_path",
default=model_classes,
        help="Path to YOLO class specifications. Default is " +
model_classes,
    )
```

```
    parser.add_argument(
        "--gpu_num", type=int, default=1, help="Number of GPU to use. Default is 1"
    )

    parser.add_argument( "--confidence", type=float, dest="score", default=0.25,
        help="Threshold for YOLO object confidence score to show predictions. Default is 0.25.",
    )

    parser.add_argument( "--box_file", type=str, dest="box",
        default=detection_results_file,
        help="File to save bounding box results to. Default is " + detection_results_file,
    )

    parser.add_argument(
        "--postfix", type=str, dest="postfix", default="_disease",
        help='Specify the postfix for images with bounding boxes. Default is "_disease"',
    )
```

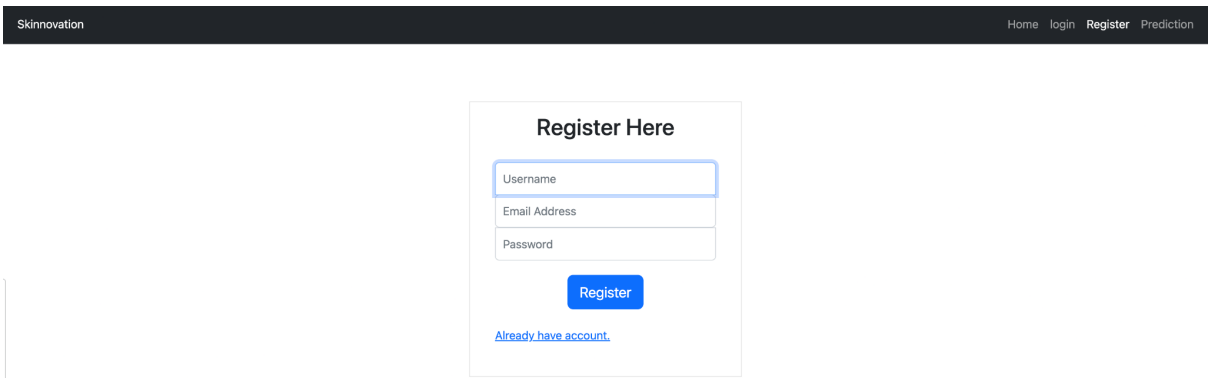
```
    yolo = YOLO(
        **{
            "model_path": FLAGS.model_path,
            "anchors_path": FLAGS.anchors_path,
            "classes_path": FLAGS.classes_path,
            "score": FLAGS.score,
            "gpu_num": FLAGS.gpu_num,
            "model_image_size": (416, 416),
        }
    )



img_path="/drive/MyDrive/IBM_PROJECT/Flask/static/img/"+f.filename     prediction, image,lat,lon= detect_object(             yolo,             img_path,
            save_img=save_img,             save_img_path=FLAGS.output,             postfix=FLAGS.postfix,
    )


    yolo.close_session()     return render_template('prediction.html',prediction=str(prediction),path="../static/img/"+f.filename)


""" Running our application """ if __name__ == "__main__":
    app.run(port=port_no)
```

Running application :

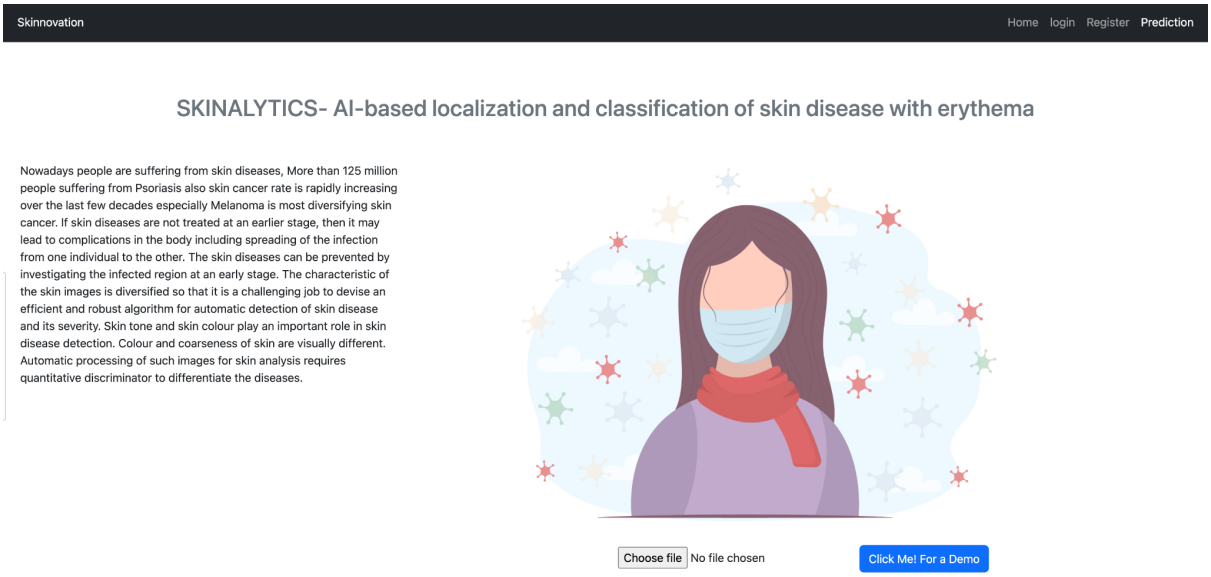
Landing page



Login Page



Register Page



Prediction Page