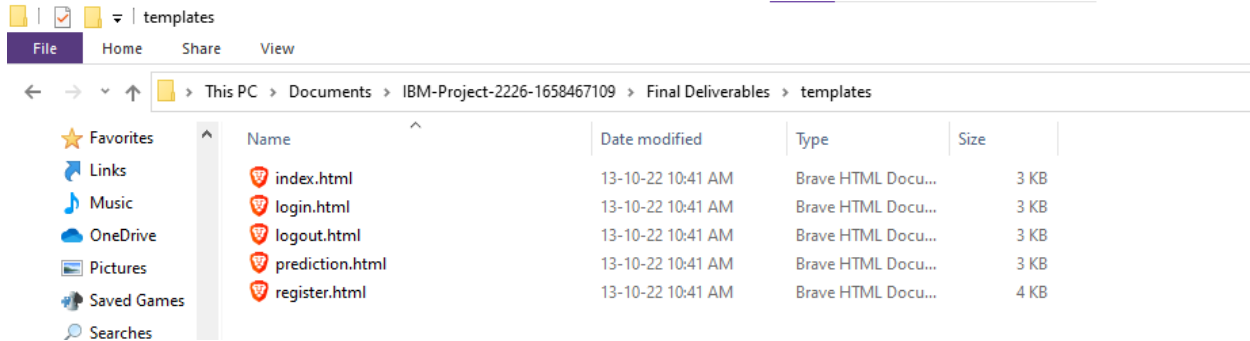


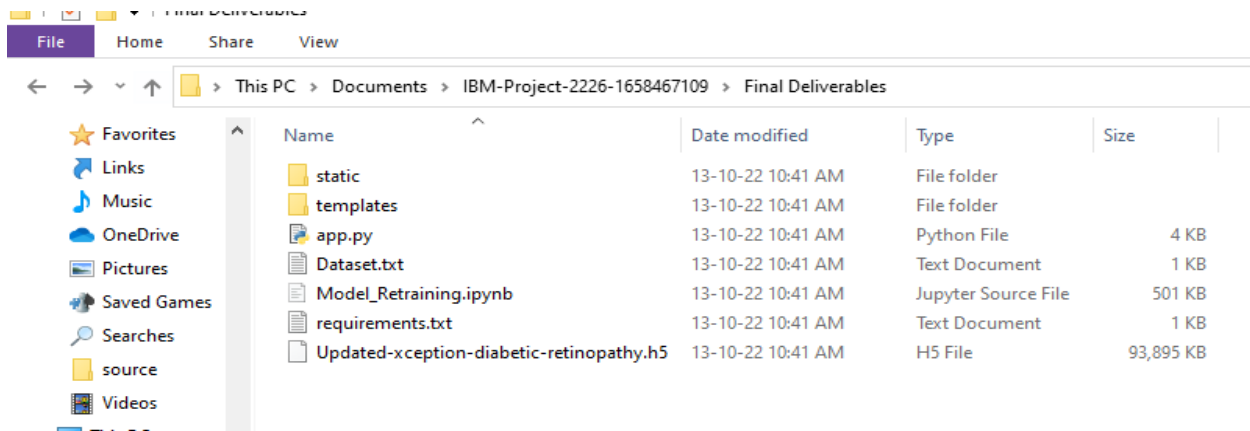
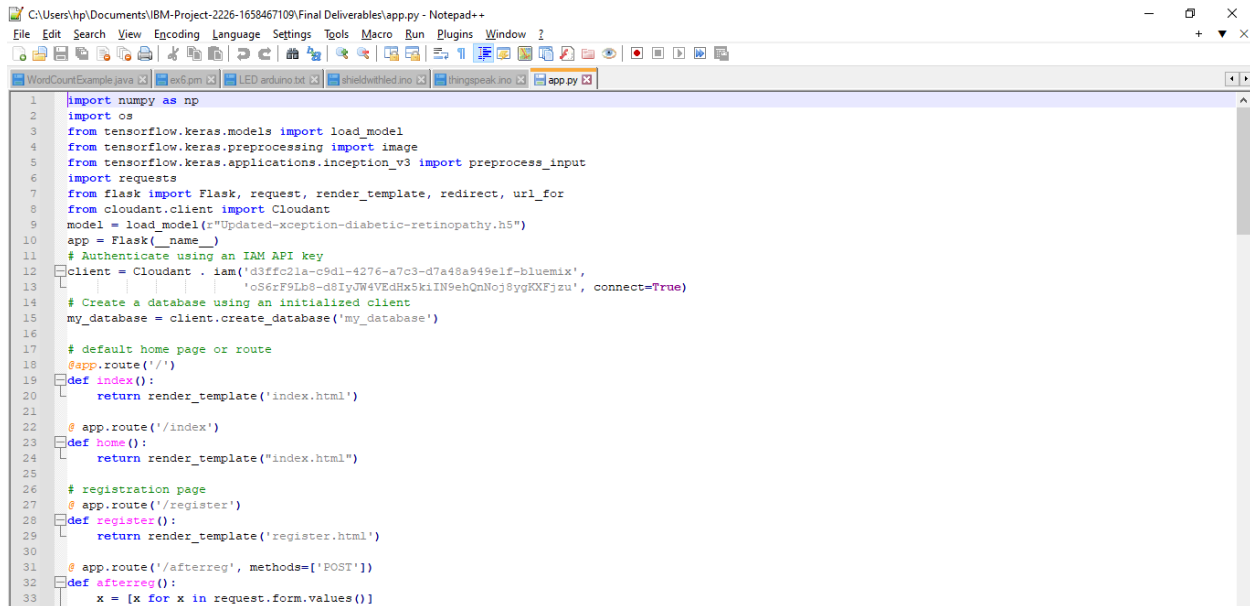
Application Building

Building HTML pages

This section deals with the 5 different html pages to navigate as shown below



Building python code

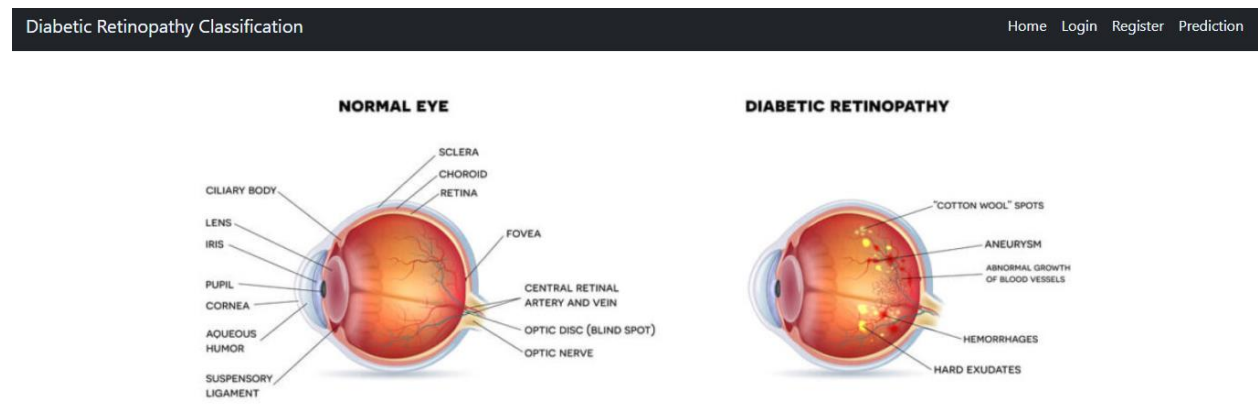


Run the application

Below is the screenshot of the application that has run on the localhost in browser

```
C:\Users\hp\Documents\IBM-Project-2226-1658467109\Final Deliverables>python app.py
2022-10-18 22:11:43.490742: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll'; dlderror: cudart64_110.dll
not found
2022-10-18 22:11:43.491113: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on your machine.
2022-10-18 22:11:58.863287: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlderror: nvcuda.dll not found
2022-10-18 22:11:58.863941: I tensorflow/stream_executor/cuda/cuda_driver.cc:263] failed call to cuInit: UNKNOWN ERROR (303)
2022-10-18 22:11:58.883608: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: DESKTOP-INOC6PE
2022-10-18 22:11:58.884138: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: DESKTOP-INOC6PE
2022-10-18 22:11:58.888656: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to
use the following CPU instructions in performance-critical operations: AVX
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with watchdog (windowsapi)
```

a) index.html



b) login.html


The screenshot shows the 'DR Register' application interface. At the top, there is a navigation bar with links: Home, Login, and Register. The main content area features a large, stylized circular logo with a white 'D' inside a dark blue circle. Below the logo, there are two input fields: 'Enter Registered Mail ID' and 'Enter Password'. At the bottom, there is a dark blue button labeled 'Login'.

c) register.html

Register page involves in user registration with name, mail id and password field.

DR Register

Home Login Register



Login

Already Registered: Login Here

d) prediction.html

The prediction percentage shows the type of disease (i.e.) if the percentage shows 75% then the patient is infected with severe NPDR type.

Diabetic Retinopathy Classification

Home Logout


Upload Image

Choose File


No file chosen

Predict

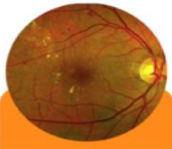
25%




No disease visible



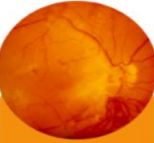
Mild nonproliferative diabetic retinopathy



Moderate NPDR



Severe NPDR



PDR

e) logout.html

Diabetic Retinopathy

Home Login Register

Successfully Logged Out!

Login for more Information