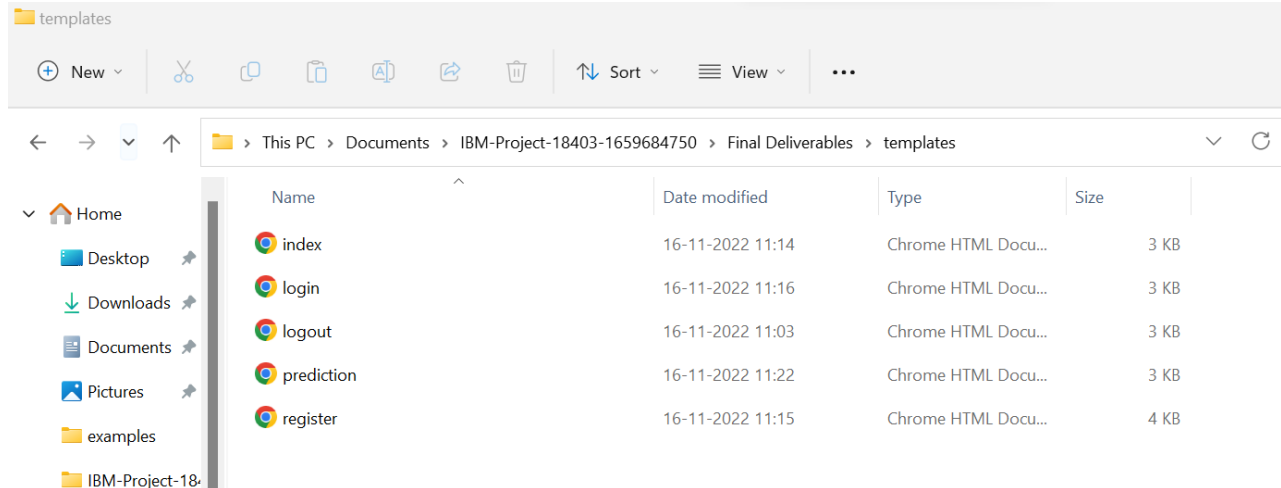


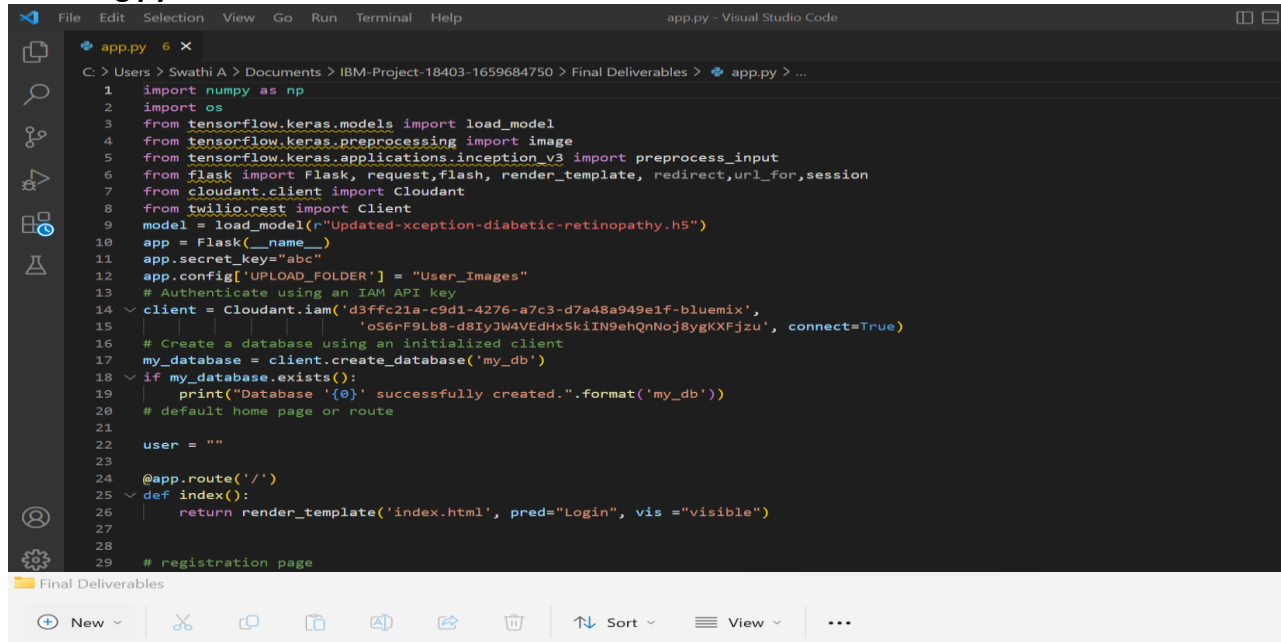
# APPLICATION BUILDING

## 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-2226-1658467189\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: W tensorflow/stream_executor/cuda/cuda_driver.cc:263] Failed call to cuInit: UNKNOWN ERROR (303)
2022-10-18 22:11:58.883680: 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

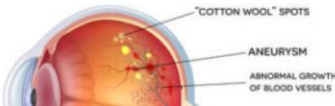
Diabetic Retinopathy Classification

Home Prediction Login Register

# Diabetic Retinopathy

Diabetic retinopathy is a diabetes complication that affects eyes. It's caused by damage to the blood vessels of the light-sensitive tissue at the back of the eye (retina). At first, diabetic retinopathy might cause no symptoms or only mild vision problems. But it can lead to blindness. The condition can develop in anyone who has type 1 or type 2 diabetes. The longer you have diabetes and the less controlled your blood sugar is, the more likely you are to develop this eye complication.

**NORMAL EYE**

**DIABETIC RETINOPATHY**


### b) login.html

DR Prediction

File | C:\Users\Swathi%20A\Documents\IBM-Project-18403-1659684750\Final%20Deliverables\templates\login.html

Home Login Register

## User Login



Login

c) register.html

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

Registration

Home Login Register

Enter Name

Enter Mail ID

Enter Mobile number

Enter Password

Register

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