Building python code

```python
import numpy as np
import os
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
from tensorflow.keras.applications.inception_v3 import preprocess_input
import requests
from flask import Flask, request, render_template, redirect, url_for
from cloudant.client import Cloudant
model = load_model(r"Updated-xception-diabetic-retinopathy.h5")
app = Flask(__name__)
# Authenticate using an IAM API key
client = Cloudant . iam('d3ffc21a-c9d1-4276-a7c3-d7a48a949e1f-bluemix',
                        'oS6rF9Lb8-d8IyJW4VEdHx5k1IN9ehQnNoj8ygKXFjzu', connect=True)
# Create a database using an initialized client
my_database = client.create_database('my_database')

# default home page or route
#app.route('/')
def index():
    return render_template('index.html')

# app.route('/index')
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()]
```
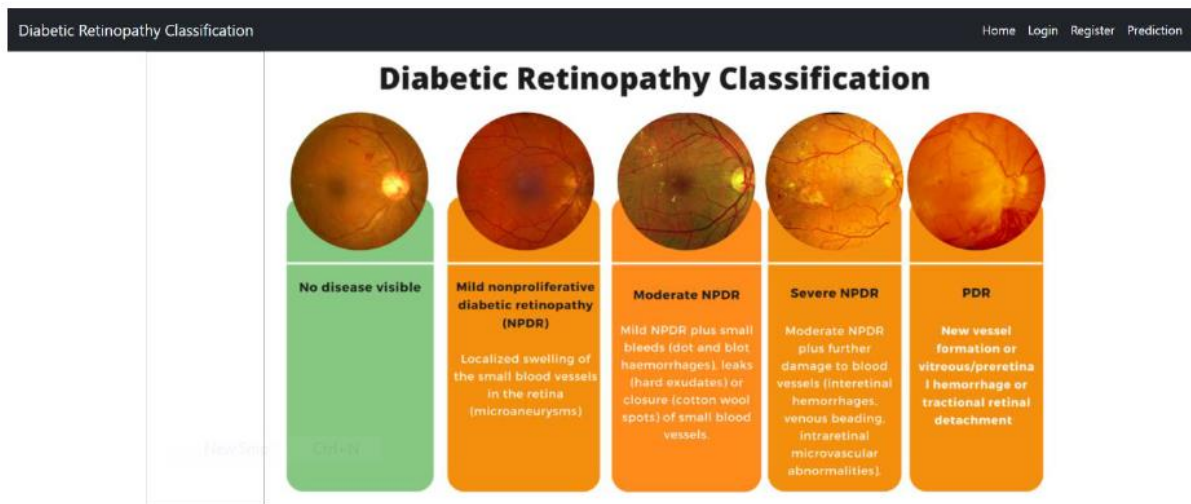
a) index.html

b) login.html

c) register.html

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

Enter Name

Enter Mail ID

Enter Password

Login

Already Registered: Login Here

d) prediction.html

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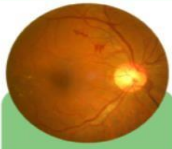
Upload Image

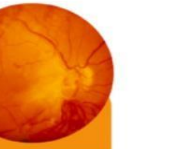Choose File   No file chosen

Predict
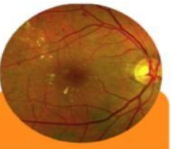
25%
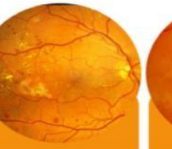
No disease visible | Mild nonproliferative diabetic retinopathy (NPDR) | Moderate NPDR | Severe NPDR | PDR

e) logout.html

Successfully Logged Out!

Login for more Information