

```

import os

from cloudant.client import Cloudant
from flask import Flask, flash, redirect, render_template, request, url_for, Response
from werkzeug.utils import secure_filename

from detect import detect

UPLOAD_FOLDER = "static/uploads/"
RESULTS_FOLDER = "static/results/"

app = Flask(__name__)
app.secret_key = "secret-key"
app.config["UPLOAD_FOLDER"] = UPLOAD_FOLDER

API_KEY = "I5qBRvqrkDNcwtcPSgqB6bPpg-Mfppv596luxy86j2Sc"
USERNAME = "26eb4b40-0ca7-4edd-90be-0c2318c3a564-bluemix"

databaseName = "virtual_eye"

client = Cloudant.iam(USERNAME, API_KEY, connect=True)

@app.route("/")
def index():
    return render_template("index.html", static_folder="static")

@app.route("/register", methods=["GET", "POST"])
def register():
    if request.method == "POST":
        # Get the form data
        try:
            email = request.form["email"]
            password = request.form["password"]
            # Create a database using an initialized client
            my_database = client.create_database(databaseName)
            # Check that the database doesn't already exist
            if my_database.exists():
                print(f"'{databaseName}' successfully created.")
            # Create a JSON document
            json_document = {
                "_id": email,
                "email": email,
                "password": password,
            }
            if email in my_database:
                return render_template("register.html", msg="Email already exists")
            else:
                # Create a document using the Database API
                new_document = my_database.create_document(json_document)

                return render_template(
                    "register.html", msg="Account created successfully!"
                )
        except Exception as e:
            return render_template(

```

```

        "register.html", msg="Something went wrong! Please try again"
    )
    if request.method == "GET":
        return render_template("register.html")

@app.route("/login", methods=["GET", "POST"])
def login():
    if request.method == "POST":
        email = request.form["email"]
        password = request.form["password"]
        my_database = client[databaseName]
        # Check that the database exists
        if email in my_database and my_database[email]["password"] == password:
            return redirect(url_for("predict"))
        else:
            return render_template("login.html", msg="Invalid credentials!")
    if request.method == "GET":
        return render_template("login.html")

@app.route("/predict", methods=["GET", "POST"])
def predict():
    if request.method == "POST":
        if "file" not in request.files:
            flash("No file part")
            return redirect(request.url)
        file = request.files["file"]
        if file.filename == "":
            flash("No video selected for uploading")
            return redirect(request.url)
        else:
            filename = secure_filename(file.filename)
            file.save(os.path.join(app.config["UPLOAD_FOLDER"], filename))
            return render_template(
                "predict.html",
                msg="Video uploaded successfully",
                filename=filename,
            )

    if request.method == "GET":
        return render_template("predict.html")

@app.route("/response/<string:filename>", methods=["GET", "POST"])
def response(filename):
    print(filename)
    return Response(
        detect(
            os.path.join(app.config["UPLOAD_FOLDER"], filename),
        ),
        mimetype="multipart/x-mixed-replace; boundary=frame",
    )

@app.route("/logout", methods=["GET"])
def logout():

```

```
return render_template("logout.html")
```

```
if __name__ == "__main__":  
    app.run(debug=True)
```