import os  
  
from flask import Flask, request, jsonify, render\_template  
from faker import Faker  
from twilio.jwt.access\_token import AccessToken  
from twilio.jwt.access\_token.grants import SyncGrant  
  
app = Flask(\_\_name\_\_)  
fake = Faker()  
  
  
@app.route('/')  
def index():  
 return render\_template('index.html')  
  
  
@app.route('/token')  
def generate\_token():  
 # get credentials from environment variables  
 account\_sid = os.getenv('TWILIO\_ACCOUNT\_SID')  
 api\_key = os.getenv('TWILIO\_API\_KEY')  
 api\_secret = os.getenv('TWILIO\_API\_SECRET')  
 sync\_service\_sid = os.getenv('TWILIO\_SYNC\_SERVICE\_SID')  
 username = request.args.get('username', fake.user\_name())  
  
 # create access token with credentials  
 token = AccessToken(account\_sid, api\_key, api\_secret, identity=username)  
 # create a Sync grant and add to token  
 sync\_grant = SyncGrant(sync\_service\_sid)  
 token.add\_grant(sync\_grant)  
 return jsonify(identity=username, token=token.to\_jwt().decode())  
account\_sid = os.getenv('TWILIO\_ACCOUNT\_SID')  
api\_key = os.getenv('TWILIO\_API\_KEY')  
api\_secret = os.getenv('TWILIO\_API\_SECRET')  
sync\_service\_sid = os.getenv('TWILIO\_SYNC\_SERVICE\_SID')  
username = request.args.get('username', fake.user\_name())  
token = AccessToken(account\_sid, api\_key, api\_secret, identity=username)  
sync\_grant = SyncGrant(sync\_service\_sid)  
token.add\_grant(sync\_grant)  
return jsonify(identity=username, token=token.to\_jwt().decode())  
$ mkdir templates  
$ mkdir static  
<!doctype html>  
<html>  
<head>  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1">  
 <title>Sync Whiteboard</title>  
 <link rel="stylesheet" href="{{ url\_for('static', filename='style.css') }}">  
</head>  
  
<body>  
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>  
 <script src="https://media.twiliocdn.com/sdk/js/sync/releases/0.12.4/twilio-sync.min.js"></script>  
 <script src="{{ url\_for('static', filename='main.js') }}"></script>  
</body>  
</html>