# Import required libraries

from twilio.rest import Client

import os

from twilio.jwt.access\_token import AccessToken

from twilio.jwt.access\_token.grants import VideoGrant

from flask import Flask, jsonify, request

# Initialize Flask application

app = Flask(\_\_name\_\_)

# Set Twilio API keys

account\_sid = 'your\_account\_sid'

auth\_token = 'your\_auth\_token'

api\_key\_sid = 'your\_api\_key\_sid'

api\_key\_secret = 'your\_api\_key\_secret'

# Set Twilio phone number

twilio\_phone\_number = '+123456789'

# Initialize Twilio client

client = Client(account\_sid, auth\_token)

# Set up access token for video chat

def get\_access\_token(identity):

# Create an Access Token

token = AccessToken(api\_key\_sid, api\_key\_secret, identity=identity)

# Create a Video grant and add to token

video\_grant = VideoGrant(room='MyRoom')

token.add\_grant(video\_grant)

# Return token as string

return token.to\_jwt().decode()

# Endpoint for patients to request a video call

@app.route('/call', methods=['POST'])

def call():

# Get patient's identity from request

identity = request.json['identity']

# Get doctor's phone number from database

doctor\_phone\_number = get\_doctor\_phone\_number(identity)

# Create a Twilio video room

room = client.video.rooms.create(unique\_name='MyRoom')

# Create a Twilio video participant for patient

patient\_participant = client.video.rooms(room.sid).participants.create(identity=identity)

# Create a Twilio video participant for doctor

doctor\_participant = client.video.rooms(room.sid).participants.create(to=doctor\_phone\_number)

# Get access token for patient and return as response

access\_token = get\_access\_token(identity)

return jsonify({'access\_token': access\_token})

# Function to get doctor's phone number from database

def get\_doctor\_phone\_number(identity):

# Query database to get doctor's phone number based on patient's identity

return '+11234567890'

# Run Flask application

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)