from flask import Flask  
from flask\_restful import Api, Resource, reqparse  
  
app = Flask(*\_name\_*)  
api = Api(app)  
  
users = [  
{  
"name": "Nicholas",  
"age": 42,  
"occupation": "Network Engineer"  
},  
{  
"name": "Elvin",  
"age": 32,  
"occupation": "Doctor"  
},  
{  
"name": "Jass",  
"age": 22,  
"occupation": "Web Developer"  
}  
]  
  
  
class User(Resource):  
def get(self, name):  
for user in users:  
if (name == user["name"]):  
return user, 200  
return "User not found", 404  
  
def post(self, name):  
parser = reqparse.RequestParser()  
parser.add\_argument("age")  
parser.add\_argument("occupation")  
args = parser.parse\_args()  
  
for user in users:  
if (name == user["name"]):  
return "User with name {} already exists".format(name), 400  
  
user = {  
"name": name,  
"age": args["age"],  
"occupation": args["occupation"]  
}  
users.append(user)  
return user, 201  
  
def put(self, name):  
parser = reqparse.RequestParser()  
parser.add\_argument("age")  
parser.add\_argument("occupation")  
args = parser.parse\_args()  
  
for user in users:  
if (name == user["name"]):  
user["age"] = args["age"]  
user["occupation"] = args["occupation"]  
return user, 200  
  
user = {  
"name": name,  
"age": args["age"],  
"occupation": args["occupation"]  
}  
users.append(user)  
return user, 201  
  
def delete(self, name):  
global users  
users = [user for user in users if user["name"] != name]  
return "{} is deleted.".format(name), 200  
  
  
api.add\_resource(User, "/user/<string:name>")  
  
app.run(debug=True)