Summary

Implement a service which exposes a RESTful API for different clients such as Web, Mobile, etc. The service will provide places from multiple providers on the internet (e.g. Google Places, Yelp, and/or Foursquare).

Requirements

- The service should accept query parameter(s) and search for places with the Google Places API.
- The service should also accept location parameters (latitude, longitude) in the query and take these into consideration when querying providers.
- The response must contain following information:
  - ID
  - Provider
  - Name
  - Description
  - Location (lat, lng) (if applicable)
  - Address (if applicable)
  - URI of the place where more details are available

API Description

The services will have the following base path:

Base path: /api/v1

Title	Get Places
URL	/places

Method	GET
URL Params	**Required** - query - latitude - longitude

Success Response	**Code**: 200
	Content:
	
	``json
	{
	    "payload": [
	        {
	            "id": 1,
	            "provider": "Google Places",
	            "name": "Pizza Hut",
	            "description": "Family-friendly chain known for its made-to-order pizzas.",
	            "location": {
	                "lat": 18.4872413,
	                "lng": -69.8330963
	            },
	            "address": "Santo Domingo Este",
	            "uri": "pizzahut.com.do"
	        }, {
	            "id": 2,
	            "provider": "Google Places",
	            "name": "Domino's Pizza San Isidro",
	            "description": "Delivery/carryout chain offering a wide range of pizza, plus sandwiches, pastas & wings.",
	            "location": {
	                "lat": 18.4872413,
	                "lng": -69.8330963
	            },
	            "address": "Santo Domingo 11506",
	            "uri": "dominos.com.do"
	        },
	        ],
	``

	```json "total": 2 } ```
Error Response	**Code**: 400 **Content**: ```json { "error": { "name": "MISSING_OR_INVALID_PARAMETER", "message": "$The query parameter is missing or invalid." } } ```
Sample Call	curl http://localhost:3000/api/v1/places?query=Pizza&latitude=37.786882&longitude=-122.399972