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## Yelp Review Search API

### Overview:

The "Yelp Review Search API" allows the retrieval of Yelp business and review data based on a set of input parameters. This section outlines the various types of search operations that can be executed and provides example requests and responses.

This API can be used to add review information regarding local businesses to your website, widget or mobile application

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### Searching by Map Bounding Box:

This mechanism for searching allows the retrieval of business review information based on the bounding box of a particular map. A request can be sent to the Yelp API using the "top-left latitude and longitude" and "bottom-right latitude and longitude" for a geographical bounding box.

#### Input Parameters:

Name	Data Type	Required / Optional	Description
term	string	optional	String representing the name of business or search term being requested. (E.G. "bars")
num_biz_requested	integer	optional	Specifies the number of businesses to return in the result set. Default is 10. Minimum value is 1 and maximum value is 20
tl_lat	double	required	Top Left latitude of bounding box
tl_long	double	required	Top Left longitude of bounding box
br_lat	double	required	Bottom right latitude of bounding box
br_long	double	required	Bottom right longitude of bounding box

#### Sample Request:

```
http://api.yelp.com/business_review_search?term=yelp&tl_lat=37.9&tl_long=-122.5&br_la
```



#### Sample Response

### Search by Geo-Point and Radius:

Enables searching for business review information within a certain radius of a particular location.

#### Input Parameters:

Name	Data Type	Required / Optional	Description
term	string	optional	String representing the name of business or search term being requested. (E.G. "bars")
num_biz_requested	integer	optional	Specifies the number of businesses to return in the result set. Default is 10. Minimum value is 1 and maximum value is 20
lat	double	required	Latitude of geo-point to search near.
long	double	required	Longitude of geo-point to search near.
radius	double	optional	Radius to use while searching around specified geo-point. Maximum value = 25. If a radius is not specified, it will be chosen based on the specificity of the location.

#### Sample Request:

```
http://api.yelp.com/business_review_search?term=yelp&lat=37.788022&long=-122.399797&r
```



## Sample Response

**Search by Neighborhood, Address and City:**

Enables searching for business review information based on a particular neighborhood, address or city.

**Input Parameters:**

Name	Data Type	Required / Optional	Description
term	string	optional	String representing the name of business or search term being requested (E.G. "bars")
num_biz_requested	integer	optional	Specifies the number of businesses to return in the result set. Default is 10. Minimum value is 1 and maximum value is 20
location	string	required	Specifies the combination of "address, neighborhood, city, state or zip, optional country" to be used when searching for businesses.
cc	string	optional	ISO 3166-1 alpha-2 country code. Default country to use when parsing the location field. United States = US, Canada = CA, United Kingdom = GB (not UK).
radius	double	optional	Radius to use while searching around specified geo-point. Maximum value = 25. If a radius is not specified, it will be chosen based on the specificity of the location.

**Sample Request:**

```
http://api.yelp.com/business_review_search?term=cream%20puffs&location=650%20Mission%
```



## Sample Response

**Narrowing Result Set By Category:**

All result sets returned via the Yelp Review Search API can be narrowed to only include businesses that fall under a particular category.

The following input parameter can be used to accomplish category filtering.

**Input Parameters:**

Name	Data Type	Required / Optional	Description
category	string	optional	This parameter allows filtering of result set by a particular category. You can search in multiple categories by separating them with a plus character, e.g category=bars+poolhalls

A full list of supported categories is available [here](#).

**Sample Request:**

```
http://api.yelp.com/business_review_search?term=dada&location=650%20Mission%20St%2A&a
```



## Sample Response

**Response Values:**

This section outlines the standard response values from a "business\_review\_search" operation.

Node Element	Type	Definition	Max Number In Result Set
businesses	list	node that contains a list of business entries	1
address1	node	line one of business address	1 per business
address2	node	line two of business address	1 per business
address3	node	line three of business address	1 per business
categories	list	provides a list of categories that this business is associated with	1 per business
categories.category_filter	node	filter name for this particular category	unbounded
categories.name	node	display name for a particular category	unbounded
categories.search_url	node	URL to execute a search for this particular category on Yelp.com	unbounded
city	node	name of city that business is located in	1 per business

distance	node	distance that business is from center point of city	1 per business
id	node	Yelp Id for this business	1 per business
is_closed	node	boolean, true if the business is closed	1 per business
latitude	node	latitude of business	1 per business
longitude	node	longitude of business	1 per business
mobile_url	node	URL for mobile business page on Yelp	1 per business
name	node	name of business	1 per business
nearby_url	node	URL to execute search for nearby businesses	1 per business
neighborhoods	list	List that provides neighborhood(s) information for business	1 per business
neighborhoods.name	node	Name of neighborhood to which this business belongs	unbounded
neighborhoods.url	node	URL to execute a search for that neighborhood on yelp	unbounded
phone	node	phone number for this business. Outside of the US and Canada, we include the international dialing code (e.g. +442079460000)	1 per business
photo_url	node	URL of photo for this business	1 per business
avg_rating	node	Numeric value representing the average review for this business	1 per business
rating_img_url	node	URL to star rating image for this business (size = 84x17)	1 per business
rating_img_url_small	node	URL to small version of rating image for this business (size = 50x10)	1 per business
review_count	node	Number of reviews associated with this business	1 per business
reviews	list	Contains a list of 3 reviews associated with business	1 per business
reviews.id	node	Yelp Id for this review	1 per review
reviews.text_excerpt	node	Excerpt of review text	1 per review
reviews.url	node	URL to business profile page with this review selected	1 per review
reviews.user_name	node	Name of user that created review	1 per review
reviews.user_photo_url	node	URL to photo of the user that created review	1 per review
reviews.user_photo_url_small	node	URL to small photo of the user that created review	1 per review
reviews.rating	node	Numeric value representing the rating of this review	1 per review
reviews.rating_img_url	node	URL to star rating image for this review	1 per review
reviews.mobile_uri	node	URL for mobile business page with this review selected	1 per review
reviews.user_url	node	URL of user's profile page (photo must link to this URL)	1 per review
reviews.date	node	Date review was written, in ISO 8601 format (YYYY-MM-DD).	1 per review
state	node	Displayable name or abbreviation for state where the business is located. In the UK, this is the name of an administrative subdivision (e.g. Greater London, Conwy, Scottish Borders).	1 per business
state_code	node	ISO 3166-2 code. In the US and Canada, the two-letter state code for the state where the business is located. For the meaning of state_code in the UK, see <a href="#">this</a>	1 per business

		<a href="#">reference</a> ; a dummy code of XGL is used for all of Greater London.	
country	node	Country where the business is located.	1 per business
country_code	node	<a href="#">ISO 3166-1 alpha-2 code</a> . United States = US, Canada = CA, United Kingdom = GB.	1 per business
url	node	URL to business profile page on Yelp	1 per business
zip	node	Postal code for this business	1 per business
message	list	Contains meta data about request	1
message.text	node	Message describing response code	1
message.code	node	Numeric code indicating whether response was generated correctly or not	1

**Response Codes:**

This section outlines the response codes that can be expected from a "business\_review\_search" operation.

Response Code	Response Message	Description
0	OK	Indicates the request completed without error.
1	Server error	Indicates that a system error occurred and that the request was unable to be processed.
2	Invalid YWSID	Returned when an invalid YWSID is supplied with the API request.
3	Missing YWSID	Indicates that the required YWSID parameter was not supplied with the request.
4	Exceed daily API request limit	Returned when the number of requests executed for a particular YWSID on a particular day exceeds the specified limit.
5	API not available	Indicates that the Yelp API is currently not available
6	Did not understand query	Indicates an invalid API request was sent
200	Unspecified location	Enough information was not provided in the request to allow Yelp to determine a specific search location.
201	Bad term parameter	The term parameter provided in the request could not be understood
202	Bad location parameter	The location parameter provided in the request could not be understood
203	Area too large	Indicates that the geographical area is too large for this search request. Max search area is 2,500 sq miles.
205	Unknown category	Indicates that an unknown category was specified.

**Sample Response:**

This section provides a sample response for a "BusinessReviewSearch" operation.

```
{'businesses': [{ 'address1': '466 Haight St',
                  'address2': '',
                  'address3': '',
                  'avg_rating': 4.0,
                  'categories': [{ 'category_filter': 'danceclubs',
                                  'name': 'Dance Clubs',
                                  'search_url': 'http://yelp.com/search?find_loc=466+H'
                                },
                                { 'category_filter': 'lounges',
                                  'name': 'Lounges',
                                  'search_url': 'http://yelp.com/search?find_loc=466+H'
                                },
                                { 'category_filter': 'tradamerican',
                                  'name': 'American (Traditional)',
                                  'search_url': 'http://yelp.com/search?find_loc=466+H'
                                }
                              ],
                  'city': 'San Francisco',
                  'distance': 1.8780401945114136,
                  'id': 'yyqwqfgn1ZmbQYNb17s5sQ',
                  'is_closed': False,
                  'latitude': 37.772201000000003,
                  'longitude': -122.42992599999999,
                  'mobile_url': 'http://mobile.yelp.com/biz/yyqwqfgn1ZmbQYNb17s5sQ',
                  'name': 'Nickies',
                  'nearby_url': 'http://yelp.com/search?find_loc=466+Haight+St%2C+San+',
                  'neighborhoods': [{ 'name': 'Hayes Valley',
                                      'url': 'http://yelp.com/search?find_loc=Hayes+Val'
                                    }
                                   ],
                  'phone': '4152550300',
                  'photo_url': 'http://static.px.yelp.com/bpthumb/mPNTiQm5HVqLLcUi8XrD'
                  'photo_url_small': 'http://static.px.yelp.com/bpthumb/mPNTiQm5HVqLLc'
                  'rating_img_url': 'http://static.px.yelp.com/static/20070816/i/new/i'
                }
            ]
}
```

```
'rating_img_url_small': 'http://static.px.yelp.com/static/20070816/i
'review_count': 32,
'reviews': [{ 'id': 't-sisM24K9GvvYhr-9w1EQ',
  'rating': 3,
  'rating_img_url': 'http://static.px.yelp.com/static/200
  'rating_img_url_small': 'http://static.px.yelp.com/stat
  'text_excerpt': 'So I know gentrification is supposed t
  'url': 'http://yelp.com/biz/yyqwqfgn1ZmbQYNb17s5sQ#hrid
  'user_name': 'Trey F.',
  'user_photo_url': 'http://static.px.yelp.com/upthumb/ZQ
  'user_photo_url_small': 'http://static.px.yelp.com/upth
  'mobile_uri': 'http://mobile.yelp.com/biz/yyqwqfgn1ZmbQ
  'user_url': 'http://yelp.com/user_details?userid=XMeRHj
  { 'id': '8xTNOC9L5ZXwGCMNYY-pdQ',
    'rating': 4,
    'rating_img_url': 'http://static.px.yelp.com/static/200
    'rating_img_url_small': 'http://static.px.yelp.com/stat
    'text_excerpt': 'This place was definitely a great plac
    'url': 'http://yelp.com/biz/yyqwqfgn1ZmbQYNb17s5sQ#hrid
    'user_name': 'Jessy M.',
    'user_photo_url': 'http://static.px.yelp.com/upthumb/Gh
    'user_photo_url_small': 'http://static.px.yelp.com/upth
    'mobile_uri': 'http://mobile.yelp.com/biz/yyqwqfgn1ZmbQ
    'user_url': 'http://yelp.com/user_details?userid=4F2QG3
    { 'id': 'pp33WfN_FoKlQKJ-38j_Ag',
      'rating': 5,
      'rating_img_url': 'http://static.px.yelp.com/static/200
      'rating_img_url_small': 'http://static.px.yelp.com/stat
      'text_excerpt': "Love this place! I've been here twice
      'url': 'http://yelp.com/biz/yyqwqfgn1ZmbQYNb17s5sQ#hrid
      'user_name': 'Scott M.',
      'user_photo_url': 'http://static.px.yelp.com/upthumb/q0
      'user_photo_url_small': 'http://static.px.yelp.com/upth
      'mobile_uri': 'http://mobile.yelp.com/biz/yyqwqfgn1ZmbQ
      'user_url': 'http://yelp.com/user_details?userid=FmcKaf
    'state': 'CA',
    'state_code': 'CA',
    'country': 'USA',
    'country_code': 'US',
    'url': 'http://yelp.com/biz/nickies-san-francisco',
    'zip': '94117'}]},
'message': { 'code': 0, 'text': 'OK', 'version': '1.1.0'}}
```

