Airbnb Explorer API

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General Information

Airbnb Explorer API v1.0.0

API for accessing and analyzing Airbnb listing data

Servers

The following servers may be utilized for this API:

URL	Description	Variables
http://localhost:8080	Development server	–

Operations

- [Analytics](#)
- [Home](#)
- [Hosts](#)
- [Listings](#)
- [Reviews](#)
- [Neighbourhoods](#)

Analytics

Advanced analytics and data insights

- [GET /analytics/overview](#)
- [GET /analytics/room_types](#)
- [GET /analytics/room_type_sentiment](#)
- [GET /analytics/monthly_price](#)
- [GET /analytics/hidden_gems](#)
- [GET /hosts/types](#)
- [GET /hosts/interactions](#)
- [GET /hosts/verified](#)
- [GET /hosts/high-performers](#)

`GET /analytics/overview`

Get neighborhood overview statistics

Shows the average cost and density of listings across different London neighborhoods

Path Parameters

No Path Parameters.

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [500 Internal Server Error](#)

`200 OK`

List of neighborhoods with listing count and average price

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].neighbourhood_cleansed	string	No	-	Neighborhood name
[*].number_of_listings	integer	No	-	Number of listings in this neighborhood
[*].average_price	number	No	-	Average price of listings in this neighborhood • Format: float

500 Internal Server Error

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

GET /analytics/room_types

Get room type distribution

Provides a breakdown of the types of accommodations available

Path Parameters

No Path Parameters.

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- 200 OK
- 500 Internal Server Error

200 OK

Distribution of listings by room type

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].room_type_simple	string	No	-	Type of room • Allowed Values: entire, private, shared, hotel
[*].number_of_listings	integer	No	-	Number of listings with this room type
[*].percentage_of_total	number	No	-	Percentage of total listings with this room type • Format: float

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /analytics/room_type_sentiment`

Get sentiment analysis by room type

Summarizes the proportion of listings by room type that typically receive positive feedback

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
room_type	string	No	-	-

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](200 OK)
- 400 Bad Request
- 500 Internal Server Error

`200 OK`

Sentiment analysis by room type

No Specific Response Headers.

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].room_type	string	No	-	Type of room • Allowed Values: entire, private, shared, hotel
[*].percent_positive_reviews	number	No	-	Percentage of positive reviews for this room type • Format: float
[*].number_of_listings	integer	No	-	Number of listings with this room type

`400 Bad Request`

Invalid parameters

No Specific Response Headers.

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

No Specific Response Headers.

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

GET `/analytics/monthly_price`

Get monthly price trends

Provides an estimated trend of average listing prices over time, grouped by month

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
after	string	No	-	• Format: date

Key	Type	Required	Example	Notes
before	string	No	–	• Format: date

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [400 Bad Request](#)
- [500 Internal Server Error](#)

`200 OK`

Monthly price trends over time

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	–	–
[*].review_month	string	No	–	Month in YYYY-MM format
[*].listings_reviewed_count	integer	No	–	Number of listings reviewed in this month
[*].average_price_of_reviewed_listings	number	No	–	Average price of listings reviewed in this month • Format: float

`400 Bad Request`

Invalid date parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	–	–

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

GET /analytics/hidden_gems

Find hidden gem listings

Finds highly rated, high-value listings with relatively few reviews and low price compared to neighbourhood norms

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
min_rating	number	No	-	• Format: float • Minimum: 1 • Maximum: 5

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- 200 OK
- 400 Bad Request
- 500 Internal Server Error

200 OK

List of hidden gem listings

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].listing_id	integer	No	-	Unique identifier of the listing
[*].listing_name	string	No	-	Name of the listing
[*].neighbourhood_cleansed	string	No	-	Neighborhood where the listing is located

Key	Type	Required	Example	Notes
[*].room_type_simple	string	No	-	Type of room
[*].scores_rating	number	No	-	Overall rating score • Format: float
[*].scores_value	number	No	-	Value for money rating • Format: float
[*].number_of_reviews	integer	No	-	Number of reviews for this listing
[*].price	number	No	-	Price per night • Format: float
[*].avg_neighbourhood_reviews	number	No	-	Average number of reviews for listings in this neighborhood • Format: float
[*].avg_neighbourhood_price_for_room_type	number	No	-	Average price for this room type in this neighborhood • Format: float

`400 Bad Request`

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /hosts/types`

Compare metrics between Superhosts and non-Superhosts

Compares key performance metrics between listings managed by Superhosts and non-Superhosts within each neighborhood

Path Parameters

No Path Parameters.

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- <u>200 OK</u>
- <u>500 Internal Server Error</u>

`200 OK`

Comparison of metrics between Superhosts and non-Superhosts by neighborhood

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].neighbourhood_cleansed	string	No	-	Neighborhood name
[*].host_type	string	No	-	Type of host • Allowed Values: Superhost, Non-Superhost
[*].avg_rating	number	No	-	Average rating for this host type in the neighborhood • Format: float
[*].avg_reviews_per_month	number	No	-	Average reviews per month for this host type • Format: float
[*].avg_price	number	No	-	Average price for listings of this host type • Format: float
[*].num_listings	integer	No	-	Number of listings for this host type in the neighborhood

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /hosts/interactions`

Compare metrics based on host interaction quality

Compares listings with hosts known for good interaction versus other hosts by neighborhood and bedroom count

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
page	integer	No	-	• Minimum: 1
page_size	integer	No	-	• Minimum: 1 • Maximum: 100

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [400 Bad Request](#)
- [500 Internal Server Error](#)

`200 OK`

Comparison of metrics between hosts with good interaction and others

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].neighbourhood_cleansed	string	No	-	Neighborhood name
[*].bedrooms	number	No	-	Number of bedrooms • Format: float
[*].avg_rating_good_interaction_hosts	number	No	-	Average rating for hosts with good interaction • Format: float

Key	Type	Required	Example	Notes
[*].avg_price_good_interaction_hosts	number	No	-	Average price for listings with hosts with good interaction • Format: float
[*].count_listings_good_interaction_hosts	integer	No	-	Count of listings with hosts with good interaction
[*].avg_rating_other_hosts	number	No	-	Average rating for other hosts • Format: float
[*].avg_price_other_hosts	number	No	-	Average price for listings with other hosts • Format: float
[*].count_listings_other_hosts	integer	No	-	Count of listings with other hosts

`400 Bad Request`

Invalid pagination parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /hosts/verified`

Get hosts' identity verification stats

Shows statistics about hosts' identity verification status

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
only_verified	boolean	No	-	-

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [400 Bad Request](#)
- [500 Internal Server Error](#)

`200 OK`

Statistics about hosts' identity verification

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].identity_verified	boolean	No	-	Whether the identity is verified
[*].number_of_hosts	integer	No	-	Number of hosts with this verification status
[*].percentage_of_total	number	No	-	Percentage of total hosts with this verification status • Format: float

`400 Bad Request`

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

GET /hosts/high-performers

Get high-performing hosts

Returns hosts with a minimum number of listings and high ratings

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
min_listings	integer	No	-	• Minimum: 1
min_rating	number	No	-	• Format: float • Minimum: 1 • Maximum: 5
order_by	string	No	-	• Allowed Values: host_name, total_listings_count, average_value_score_across_listings, min_listing_rating

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- 200 OK
- 400 Bad Request
- 500 Internal Server Error

200 OK

List of high-performing hosts

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].host_id	integer	No	-	Unique identifier of the host
[*].host_name	string	No	-	Name of the host

Key	Type	Required	Example	Notes
[*].total_listings_count	integer	No	-	Total number of listings this host has
[*].average_value_score_across_listings	number	No	-	Average value score across all listings for this host • Format: float
[*].min_listing_rating	number	No	-	Minimum rating among all listings for this host • Format: float

`400 Bad Request`

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

Home

Basic statistics about the dataset

- [GET /home](#)

`GET /home`

Get basic statistics about the Airbnb listings

Returns aggregate information including total listings count, average price, and total neighborhoods

Path Parameters

No Path Parameters.

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [500 Internal Server Error](#)

`200 OK`

Basic statistics about listings

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
total_listings	integer	No	-	Total number of listings in the database
avg_price	number	No	-	Average price of all listings - Format: float
total_neighborhoods	integer	No	-	Total number of unique neighborhoods

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

Hosts

Operations related to Airbnb hosts

- [GET /hosts](#)
- [GET /hosts/experienced](#)
- [GET /hosts/types](#)
- [GET /hosts/interactions](#)
- [GET /hosts/verified](#)
- [GET /hosts/high-performers](#)

`GET /hosts`

Get paginated host information

Returns a paginated list of Airbnb hosts with their details

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
page	integer	No	-	• Minimum: 1
page_size	integer	No	-	• Minimum: 1 • Maximum: 100

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](200 OK)
- 400 Bad Request
- 500 Internal Server Error

`200 OK`

A list of hosts

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].host_id	integer	No	-	Unique identifier of the host
[*].host_name	string	No	-	Name of the host
[*].response_time	string	No	-	Typical response time of the host
[*].response_rate	number	No	-	Host response rate percentage • Format: float
[*].acceptance_rate	number	No	-	Host acceptance rate percentage • Format: float
[*].is_superhost	boolean	No	-	Whether the host is a superhost
[*].total_listings_count	number	No	-	Total number of listings this host has • Format: float
[*].identity_verified	boolean	No	-	Whether the host's identity is verified
[*].listings_count_entire_homes	integer	No	-	Number of entire home/apt listings

Key	Type	Required	Example	Notes
[*].listings_count_private_rooms	integer	No	-	Number of private room listings
[*].listings_count_shared_rooms	integer	No	-	Number of shared room listings
[*].years_experience	number	No	-	Years of experience as a host • Format: float

`400 Bad Request`

Invalid pagination parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /hosts/experienced`

Get experienced hosts

Shows the hosts with the longest presence on the platform within the dataset

Path Parameters

No Path Parameters.

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

• [200 OK](#)

- [500 Internal Server Error](#)

`200 OK`

List of experienced hosts sorted by years of experience

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].host_id	integer	No	-	Unique identifier of the host
[*].host_name	string	No	-	Name of the host
[*].experience	integer	No	-	Years of experience as a host (rounded)
[*].total_listings_count	integer	No	-	Total number of listings this host has

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /hosts/types`

Compare metrics between Superhosts and non-Superhosts

Compares key performance metrics between listings managed by Superhosts and non-Superhosts within each neighborhood

Path Parameters

No Path Parameters.

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [500 Internal Server Error](#)

`200 OK`

Comparison of metrics between Superhosts and non-Superhosts by neighborhood

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].neighbourhood_cleansed	string	No	-	Neighborhood name
[*].host_type	string	No	-	Type of host • Allowed Values: Superhost, Non-Superhost
[*].avg_rating	number	No	-	Average rating for this host type in the neighborhood • Format: float
[*].avg_reviews_per_month	number	No	-	Average reviews per month for this host type • Format: float
[*].avg_price	number	No	-	Average price for listings of this host type • Format: float
[*].num_listings	integer	No	-	Number of listings for this host type in the neighborhood

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /hosts/interactions`

Compare metrics based on host interaction quality

Compares listings with hosts known for good interaction versus other hosts by neighborhood and bedroom count

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
page	integer	No	-	• Minimum: 1
page_size	integer	No	-	• Minimum: 1 • Maximum: 100

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- 200 OK
- 400 Bad Request
- 500 Internal Server Error

`200 OK`

Comparison of metrics between hosts with good interaction and others

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].neighbourhood_cleansed	string	No	-	Neighborhood name
[*].bedrooms	number	No	-	Number of bedrooms • Format: float
[*].avg_rating_good_interaction_hosts	number	No	-	Average rating for hosts with good interaction • Format: float
[*].avg_price_good_interaction_hosts	number	No	-	Average price for listings with hosts with good interaction • Format: float
[*].count_listings_good_interaction_hosts	integer	No	-	Count of listings with hosts with good interaction
[*].avg_rating_other_hosts	number	No	-	Average rating for other hosts • Format: float

Key	Type	Required	Example	Notes
[*].avg_price_other_hosts	number	No	-	Average price for listings with other hosts • Format: float
[*].count_listings_other_hosts	integer	No	-	Count of listings with other hosts

`400 Bad Request`

Invalid pagination parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /hosts/verified`

Get hosts' identity verification stats

Shows statistics about hosts' identity verification status

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
only_verified	boolean	No	-	-

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- 200 OK
- 400 Bad Request
- 500 Internal Server Error

`200 OK`

Statistics about hosts' identity verification

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].identity_verified	boolean	No	-	Whether the identity is verified
[*].number_of_hosts	integer	No	-	Number of hosts with this verification status
[*].percentage_of_total	number	No	-	Percentage of total hosts with this verification status • Format: float

`400 Bad Request`

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

GET /hosts/high-performers

Get high-performing hosts

Returns hosts with a minimum number of listings and high ratings

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
min_listings	integer	No	-	• Minimum: 1
min_rating	number	No	-	• Format: float • Minimum: 1 • Maximum: 5
order_by	string	No	-	• Allowed Values: host_name, total_listings_count, average_value_score_across_listings, min_listing_rating

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [400 Bad Request](#)
- [500 Internal Server Error](#)

200 OK

List of high-performing hosts

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].host_id	integer	No	-	Unique identifier of the host
[*].host_name	string	No	-	Name of the host
[*].total_listings_count	integer	No	-	Total number of listings this host has
[*].average_value_score_across_listings	number	No	-	Average value score across all listings for this host • Format: float
[*].min_listing_rating	number	No	-	Minimum rating among all listings for this host • Format: float

400 Bad Request

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

Listings

Operations related to Airbnb listings

- [GET /listings](#)
- [GET /listings/{listing_id}](#)
- [GET /listings/search](#)
- [GET /listings/{listing_id}/reviews](#)

`GET /listings`

Get paginated listings

Returns a paginated list of Airbnb listings with basic information

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
page	integer	No	-	• Minimum: 1
page_size	integer	No	-	• Minimum: 1 • Maximum: 100

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

-
-
-

`200 OK`

A list of Airbnb listings

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].id	integer	No	-	Unique identifier of the listing
[*].name	string	No	-	Name of the listing
[*].neighbourhood	string	No	-	Neighbourhood where the listing is located
[*].room_type	string	No	-	Type of room (e.g., Entire home/apt, Private room)
[*].price	number	No	-	Price per night • Format: float
[*].number_of_reviews	integer	No	-	Number of reviews for the listing

`400 Bad Request`

Invalid pagination parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

`GET /listings/{listing_id}`

Get a specific listing by ID

Returns detailed information about a specific Airbnb listing

Path Parameters

Key	Type	Required	Example	Notes
listing_id	integer	Yes	-	• Minimum: 1

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- 200 OK
- 400 Bad Request
- 404 Not Found
- 500 Internal Server Error

`200 OK`

Detailed information about a listing

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
id	integer	No	-	-
host_id	integer	No	-	-
name	string	No	-	-
description	string	No	-	-
picture_url	string	No	-	-
neighbourhood_cleansed	string	No	-	-
latitude	number	No	-	• Format: float
longitude	number	No	-	• Format: float
accommodates	integer	No	-	-
bathrooms	number	No	-	• Format: float
bedrooms	number	No	-	• Format: float

Key	Type	Required	Example	Notes
beds	number	No	–	• Format: float
price	number	No	–	• Format: float
room_type_simple	string	No	–	–

400 Bad Request

Invalid listing ID

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	–	–

404 Not Found

Listing not found

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Listing not found	–

500 Internal Server Error

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	–

GET /listings/search

Search for listings with filters

Returns listings matching the specified filters with pagination

Path Parameters

No Path Parameters.

Query Parameters

Key	Type	Required	Example	Notes
page	integer	No	–	• Minimum: 1
page_size	integer	No	–	• Minimum: 1 • Maximum: 100
name	string	No	–	–
description	string	No	–	–
picture_url	string	No	–	–
neighbourhood_cleansed	string	No	–	–
room_type_simple	string	No	–	–
latitude_low	number	No	–	• Format: float
latitude_high	number	No	–	• Format: float
longitude_low	number	No	–	• Format: float
longitude_high	number	No	–	• Format: float
accommodates_low	integer	No	–	–
accommodates_high	integer	No	–	–
bathrooms_low	number	No	–	• Format: float
bathrooms_high	number	No	–	• Format: float
bedrooms_low	number	No	–	• Format: float
bedrooms_high	number	No	–	• Format: float
beds_low	number	No	–	• Format: float
beds_high	number	No	–	• Format: float
price_low	number	No	–	• Format: float
price_high	number	No	–	• Format: float

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- 200 OK
- 400 Bad Request

- [500 Internal Server Error](#)

200 OK

A list of listings matching the specified filters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].id	integer	No	-	-
[*].host_id	integer	No	-	-
[*].name	string	No	-	-
[*].description	string	No	-	-
[*].picture_url	string	No	-	-
[*].neighbourhood_cleansed	string	No	-	-
[*].latitude	number	No	-	• Format: float
[*].longitude	number	No	-	• Format: float
[*].accommodates	integer	No	-	-
[*].bathrooms	number	No	-	• Format: float
[*].bedrooms	number	No	-	• Format: float
[*].beds	number	No	-	• Format: float
[*].price	number	No	-	• Format: float
[*].room_type_simple	string	No	-	-

400 Bad Request

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

500 Internal Server Error

Database error

RESPONSE HEADERS

No Specific Response Headers.

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

GET /listings/{listing_id}/reviews

Get reviews for a specific listing

Returns paginated reviews for a specific Airbnb listing

Path Parameters

Key	Type	Required	Example	Notes
listing_id	integer	Yes	-	• Minimum: 1

Query Parameters

Key	Type	Required	Example	Notes
page	integer	No	-	• Minimum: 1
page_size	integer	No	-	• Minimum: 1 • Maximum: 100

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [400 Bad Request](#)
- [500 Internal Server Error](#)

200 OK

A list of reviews for the specified listing

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-

Key	Type	Required	Example	Notes
[*].id	integer	No	-	Unique identifier of the review
[*].listing_id	integer	No	-	ID of the listing this review belongs to
[*].date	string	No	-	Date the review was posted • Format: date
[*].reviewer_id	integer	No	-	ID of the reviewer
[*].reviewer_name	string	No	-	Name of the reviewer
[*].comments	string	No	-	Review text
[*].sentiment	string	No	-	Sentiment analysis of the review • Allowed Values: Positive, Neutral, Negative

`400 Bad Request`

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

Reviews

Listing reviews

• [GET /listings/{listing_id}/reviews](#)

`GET /listings/{listing_id}/reviews`

Get reviews for a specific listing

Returns paginated reviews for a specific Airbnb listing

Path Parameters

Key	Type	Required	Example	Notes
listing_id	integer	Yes	-	• Minimum: 1

Query Parameters

Key	Type	Required	Example	Notes
page	integer	No	-	• Minimum: 1
page_size	integer	No	-	• Minimum: 1 • Maximum: 100

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses

- [200 OK](#)
- [400 Bad Request](#)
- [500 Internal Server Error](#)

`200 OK`

A list of reviews for the specified listing

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].id	integer	No	-	Unique identifier of the review
[*].listing_id	integer	No	-	ID of the listing this review belongs to
[*].date	string	No	-	Date the review was posted • Format: date
[*].reviewer_id	integer	No	-	ID of the reviewer
[*].reviewer_name	string	No	-	Name of the reviewer
[*].comments	string	No	-	Review text
[*].sentiment	string	No	-	Sentiment analysis of the review • Allowed Values: Positive, Neutral, Negative

`400 Bad Request`

Invalid parameters

RESPONSE HEADERS

No Specific Response Headers.

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	-	-

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-

Neighbourhoods

Operations related to neighborhoods

- [GET /neighbourhoods](GET_/neighbourhoods)

`GET /neighbourhoods`

Get all unique neighbourhoods

Returns a list of all unique neighbourhood names from the listings

Path Parameters

No Path Parameters.

Query Parameters

No Query Parameters.

Request Headers

No Specific Request Headers

Cookies

No Cookies.

Request Body

No Request Body.

Responses
- [200 OK](200_OK)
- [500 Internal Server Error](500_Internal_Server_Error)

`200 OK`

A list of unique neighbourhoods

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
	array			The root schema is an array.
[*]	object	No	-	-
[*].neighbourhood	string	No	-	Name of the neighbourhood

`500 Internal Server Error`

Database error

RESPONSE HEADERS

No Specific Response Headers.

RESPONSE BODY

Media Type: `application/json`

Key	Type	Required	Example	Notes
error	string	No	Database error. Please try again later.	-