SEARCH API DOCUMENTATION

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## Web-Hook Search

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# INTRODUCTION:

The end point to be used for SEARCH:

SEARCH API URL: <https://api-cug1-825v2.tajhotels.com/searchService/>

# Suggestions Search:

## Introduction:

This API will be used to retrieve the suggestions based on User’s query.

## Brief logic for API:

* The suggestions API processes user queries related to hotel names, brand names, types, amenities, restaurants, and holiday destinations. It retrieves relevant data and ranks hotels based on scores considering factors like keyword matches, user ratings, and popularity.
* Additionally, it suggests combinations of destinations with suitable hotel types. The API's output prioritizes hotel suggestions based on their scores; ensuring users receive tailored recommendations aligned with their search criteria.

## Http Method: GET

## REQUEST:

|  |  |
| --- | --- |
| Method | URL |
| GET | https://api-cug1-825v2.tajhotels.com/searchService/v1/suggestions-test |

## URL Query Parameters:

|  |  |
| --- | --- |
| Parameter | Description |
| q | Enables users to input search queries. |
| limit | Maximum number of returned records |
| latitude | User’s Latitude coordinates |
| longitude | User’s Longitude coordinates |
| distance | Search radius from user’s location. (Km) |

## SAMPLE REQUEST:

**<URL>?** q=Rambagh&limit=10&latitude=17.4028&longitude=78.37344&distance=5

## RESPONSE:

### Response Status: 200 OK

|  |
| --- |
| {      "searchKey": "rambagh",    "hotels": {          "data": [            {                  "name": "Rambagh Palace, Jaipur ",                  "id": "0d77eb01-8fa7-4d34-80da-6a91364d65e6",                  "path": "/hotels/rambagh-palace/rooms-and-suites",                  "brand\_name": "Taj",                  "identifier": "rambagh-palace-jaipur",                  "city": "Jaipur",                  "hotel\_type": "Hotels",                  "hotel\_state": "Rajasthan",                  "hotel\_country": "India",                  "hotel\_pin\_code": "302005",                  "hotel\_code": "HLTJAIRP",                  "synxis\_hotel\_id": "75756",                  "hotel\_score": "2201"              }          ],   "relatedHotels": [              {                  "name": "Taj Amer, Jaipur",                  "id": "c055c829-92bc-4c13-9b25-b79a0ad58ee5",                  "path": "hotels/taj-amer/overview",                  "brand\_name": "Taj",                  "identifier": "taj-amer-jaipur",                  "hotel\_type": "Hotels",                  "city": "Jaipur",                  "hotel\_country": "India",                  "hotel\_state": "Rajasthan ",                  "hotel\_pin\_code": "302028",                  "hotel\_code": "HLTJAITA",                  "synxis\_hotel\_id": "40704",                  "hotelScore": "7901"              }  ],  "destinations": []}, |
| "restaurants": {          "data": [              {                  "hotel\_name": "Rambagh Palace, Jaipur ",                  "hotel\_id": "0d77eb01-8fa7-4d34-80da-6a91364d65e6",                  "hotel\_identifier": "rambagh-palace-jaipur",                  "hotel\_path": "/hotels/rambagh-palace/rooms-and-suites",                  "restaurant\_brand": "NULL",                  "restaurant\_identifier": "polo-bar",                  "restaurant\_name": "Polo Bar",                  "restaurant\_city": "Jaipur",                  "hotel\_city": "Jaipur",                  "cuisine\_type": "Finger food",                  "restaurant\_country": "India",                  "hotel\_brand\_name": "Taj",                  "restaurant\_score": "NULL"              }          ],          "relatedRestaurants": [],          "destinations": []      },   "holidays": {          "data": [              {                  "name": "Rambagh Palace, Jaipur ",                  "id": "0d77eb01-8fa7-4d34-80da-6a91364d65e6",                  "path": "/hotels/rambagh-palace/rooms-and-suites",                  "brand\_name": "Taj",                  "identifier": "rambagh-palace-jaipur",                  "hotel\_type": "Hotels",                  "hotel\_city": "Jaipur",                  "hotel\_country": "India",                  "hotel\_state": "Rajasthan",                  "hotel\_pin\_code": "302005",                  "hotel\_code": "HLTJAIRP",                  "synxis\_hotel\_id": "75756",                  "holiday\_score": ""              }          ],          "destinations": [              {                  "name": "Holidays in Jaipur",                  "city": "Jaipur"              },              {                  "name": "Holidays in Rajasthan",                  "city": "Rajasthan"              }          ]}} | | |

## ERROR RESPONSE:

### Response Status: 400 Bad Request

|  |
| --- |
| {      "message": “We can't find a result for your search..",      "hotels": [],      "restaurants": [],      "holidays": [],      "destinations": []  } |

## ATTRIBUTE DESCRIPTION:

|  |  |
| --- | --- |
| Attribute | Description |
| searchKey | Users’ Search query |
| name | Name of the Hotel |
| id | Id associated to hotel |
| path | Redirecting path of the hotel to hotel detail page |
| brand\_name | Brand Name of the hotel |
| identifier | Identifier of the hotel ( Unique for every hotel ) |
| city | City of the hotel where located |
| hotel\_type | Hotel type of the Hotel |
| hotel\_state | State of the Hotel where located |
| hotel\_country | Country of the Hotel where located |
| hotel\_pin\_code | Pin code of the Hotel |
| hotel\_code | Code of the Hotel |
| synxis\_hotel\_id | Synixs ID of the Hotel |
| hotel\_score | Score of the Hotel which is related to popularity of the Hotel. |
| restaurant\_brand | Brand of the restaurant which is available in the Hotel |
| restaurant\_identifier | Identifier of the restaurant which is associated with the Hotel |
| restaurant\_name | Restaurant Name of the Restaurant which is available in the Hotel |
| restaurant\_city | City of the Restaurant available in Hotel |
| hotel\_city | City of the Hotel |
| cuisine\_type | Cuisine type of the restaurant which is available in the Hotel |
| restaurant\_country | Country of the Restaurant which is present in the Hotel |
| hotel\_brand\_name | Brand name of the Hotel |
| restaurant\_score | Restaurant Score which is related to popularity of the Restaurant in Hotel |
| synxis\_hotel\_id | Synixs ID of the Hotel |
| holiday\_score | Holiday Score which is related to popularity of the Holiday |

# Free text Search

## Introduction:

This API will be used to retrieve the results based on User’s query along with facets according to category.

## Brief logic for API:

* This API offers a comprehensive search functionality tailored for hotels, restaurants, and holidays. It provides users with the flexibility of conducting free-text searches, allowing them to explore a wide array of criteria such as city names, brand names, hotel features, restaurant cuisines, and more. For hotel searches, users can delve into facets including brand names, specific features, and city locations to refine their results.
* Similarly, within the restaurants category, facets like cuisine types and amenities are available for users to narrow down their search. Additionally, the API caters to holiday seekers, offering a range of criteria relevant to vacation planning.
* The tabs pertaining to Restaurants and Holidays are currently deactivated within the website's user interface.
* Returns all the records in the Search results page.

## Http Method: GET

## REQUEST:

|  |  |
| --- | --- |
| Method | URL |
| GET | https://api-cug1-825v2.tajhotels.com/searchService/v1/items |

## URL Query Parameters:

|  |  |
| --- | --- |
| Parameter | Description |
| q | Enables users to input search queries. |
| limit | Maximum number of returned records |
| latitude | User’s Latitude coordinates |
| longitude | User’s Longitude coordinates |
| distance | Search radius from user’s location. (Km) |
| category | Category of the request ( hotel or restaurant or holiday ) |
| page | Enables Pagination for search page |

## SAMPLE REQUEST:

Category: Hotels-> **<URL>?** category=hotel& q=Rambagh&distance=200&latitude=15.9302&longitude=24.38594 &limit=5&page=1

Category : Restaurant-> **<URL>?** category=restaurant&q=Rambagh &distance=200&latitude=15.9302&longitude=24.38594 &limit=5&page=1

Category: Holiday-> **<URL>?** category=holiday& q=Rambagh &distance=200&latitude=15.9302&longitude=24.38594 &limit=5&page=1

## RESPONSE:

### Category Hotel:

### Response Status: 200 OK

|  |  |
| --- | --- |
| {      "count": "1",      "data": [          {              "name": "Rambagh Palace, Jaipur ",              "id": "0d77eb01-8fa7-4d34-80da-6a91364d65e6",              "title": "IHCL",              "description": "Experience grandeur at Rambagh Palace, Jaipur, paralleled of regality and refinement.",              "address": "Bhawani Singh Road",              "city": "Jaipur",              "state": "Rajasthan",              "country": "India",              "rating": "null",              "geoLocation": {                  "latitude": "26.8981101",                  "longitude": "75.8055749"              },              "images": [                  "https://cdn.sanity.io/images/ocl5w36p/production/ad1ba2982ef6b-1720x1112.jpg"              ],              "mobile": "+91 14123 85700",              "businessEmail": "rambagh.jaipur@tajhotels.com",              "supportEmail": "NULL",              "aminities": [                  "Majestic Garden Views",                  "Historic Royal Splendor",                  "Elegant Rajasthani Fare",                  "Pampering Palace Spa"              ],              "path": "/hotels/rambagh-palace/rooms-and-suites",              "pincode": "302005",              "hotel\_identifier": "rambagh-palace-jaipur",              "hotel\_brand": "Taj",              "hotel\_type": "Hotels",              "hotel\_feature": "City~~Award Winning~~J Wellness Circle"          }      ], | |
| "facets": {          "brand\_name": [              "Taj"          ],          "hotel\_type": [              "Hotels"          ],          "hotel\_feature": [              "City",              "Award Winning",              "J Wellness Circle"          ],          "city": "Jaipur"      } | |

}

### Category Restaurant: (Deactivated within the website’s User Interface)

### Response Status: 200 Ok

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| {      "count": "5",      "data": [          {              "name": "Rambagh Palace, Jaipur ",              "id": "0d77eb01-8fa7-4d34-80da-6a91364d65e6",              "title": "IHCL",              "description": "Experience grandeur at Rambagh Palace, Jaipur, where centuries of histo              "address": "Bhawani Singh Road",              "mobile": "+91 14123 85700",              "type": "All Day Dining",              "menu\_link": "NULL",              "timings": "Breakfast, Lunch and Dinner",              "dress\_code": "Smart Casual",              "city": "Jaipur",              "state": "Rajasthan",              "country": "India",              "rating": "null",              "geoLocation": {                  "latitude": "26.8981101",                  "longitude": "75.8055749"              },              "images": [                  "https://cdn.sanity.io/images/ocl5w36p/production/ad1ba2982eff9d32bc0acc9b96b-1720x1112.jpg"              ],              "businessEmail": "rambagh.jaipur@tajhotels.com",              "supportEmail": "NULL", | | | | |
| "pincode": "302005",              "restaurant\_name": "Suvarna Mahal",              "path": "/hotels/rambagh-palace/dining",              "cuisine": "Multi-Cuisine",              "lunch": "12:00 pm to 11:45 pm",              "dinner": "12:00 pm to 11:45 pm",              "restaurant\_brand": " ",              "restaurant\_identifier": "the-rajput-room",              "restaurant\_title": "Rajput Room",              "restaurant\_image":"https://cdn.sanity.io/images/ocl5w36p/production/00a3fda3582db3-1400x1120.jpg",              "restaurant\_city": "Jaipur",              "hotel\_identifier": "rambagh-palace-jaipur",              "hotel\_path": "/hotels/rambagh-palace/rooms-and-suites",              "searchCuisine": "Multi Cuisine"          }      ],      "facets": {          "restaurant\_type": [              "Speciality",              "Lounge",              "All Day Dining",              "Bar"          ],          "cuisines": [              "Traditional Indian",              "Multi-Cuisine",              "Finger food"          ],          "dress\_code": [              "Smart Casuals",              "Smart Casual"          ],          "city": "Jaipur"      }  } ERROR RESPONSE:Response Status: 200 OK {      "message": “We can't find a result for your search.",      "hotels": [],      "restaurants": [],      "holidays": [],      "destinations": []  } | |
| Category Holiday: (Deactivated within the website’s User Interface)Response Status: 200 Ok {      "count": "1",      "data": [          {              "name": "Rambagh Palace, Jaipur ",              "id": "0d77eb01-8fa7-4d34-80da-6a91364d65e6",              "title": "IHCL",              "description": "Experience grandeur at Rambagh Palace, Jaipur”,              "city": "Jaipur",              "state": "Rajasthan",              "country": "India",              "businessEmail": "rambagh.jaipur@tajhotels.com",              "supportEmail": "NULL",              "mobile": "+91 14123 85700",              "geoLocation": {                  "latitude": "26.8981101",                  "longitude": "75.8055749"              },              "images": [                  "https://cdn.sanity.io/images/ocl5w36p/producti/96b-1720x1112.jpg"              ],              "theme": **null**,              "experience": **null**,              "aminities": [                  "Majestic Garden Views",                  "Historic Royal Splendor",                  "Elegant Rajasthani Fare",                  "Pampering Palace Spa"              ],              "path": "/hotels/rambagh-palace/rooms-and-suites",              "pincode": "302005",              "brand\_name": "Taj",              "identifier": "rambagh-palace-jaipur"          }      ],      "facets": {          "experience": [              "Jaipur",              "Royal India",              "Culture Capitals",              "Royal Romantic Experiences",              "Royal Experiences",              "Royal Spa Experiences"          ], | | | |
| "theme": [              "Jaipur",              "Royal India",              "Culture Capitals",              "Royal Romantic Experiences",              "Royal Experiences",              "Royal Spa Experiences"          ],          "city": ""      }  } | | |

## ERROR RESPONSE:

### Response Status: 200 OK

|  |
| --- |
| {      "message": “We can't find a result for your search..",      "hotels": [],      "restaurants": [],      "holidays": [],      "destinations": []  } |

## ATTRIBUTE DESCRIPTION:

|  |  |
| --- | --- |
| Attribute | Description |
| count | Count of the Records which are displaying in the Page |
| name | Name of the Hotel |
| id | Id associated to hotel |
| title | Title of the Hotel associated with Source ( IHCL ) |
| description | Description of the Hotel |
| address | Address of the Hotel |
| mobile | Contact support number of the Hotel |
| city | City of the hotel where located |
| state | State of the Hotel where located |
| country | Country of the Hotel where located |
| rating | Rating of the Hotel |
| latitude | Hotel Latitude coordinates |
| longitude | Hotel Longitude coordinates |
| images | Image of the Hotel |
| businessEmail | Contact Business email of the Hotel |
| supportEmail | Contact Support email of the Hotel |
| aminities | Hotel aminities |
| path | Redirecting path of the hotel to hotel detail page |
| pincode | Pincode of the Hotel |
| hotel\_identifier | Identifier of the hotel ( Unique for every hotel ) |
| hotel\_brand | Brand Name of the hotel |
| hotel\_type | Hotel type of the Hotel |
| hotel\_feature | Hotel feature of the Hotel |
| menu\_link | Menu Link of the Restaurant available in the Hotel |
| type | Restaurant type of the Restaurant which is available in the Hotel |
| dress\_code | Dress Code of the restaurant available in Hotel |
| restaurant\_name | Restaurant Name of the Restaurant which is available in the Hotel |
| cuisine | Restaurant Cuisine of the Restaurant which is available in the Hotel |
| lunch | Lunch refers to the timing of Lunch in the restaurant of the Hotel |
| dinner | Dinner refers to the timing of Dinner in the restaurant of the Hotel |
| restaurant\_brand | Brand of the restaurant which is available in the Hotel |
| restaurant\_identifier | Identifier of the restaurant which is associated with the Hotel |
| restaurant\_title | Restaurant name available in the Hotel |
| restaurant\_image | Restaurant image available in the Hotel |
| restaurant\_city | Restaurant city where located |
| hotel\_identifier | Identifier of the hotel ( Unique for every hotel ) |
| hotel\_path | Redirecting path of the hotel to hotel detail page |
| searchCuisine | Restaurant Cuisine of the Restaurant which is available in the Hotel |
| restaurant\_type | Restaurant type of the Restaurant which is available in the Hotel |
| experience | Holiday Experiences in the Hotel |
| theme | Holiday themes in the Hotel |

# Web-Hook Search

## Introduction:

This API will be used to index or Update the documents in the SOLR.

## Brief logic for API:

* The API facilitates indexing or updating operations in Solr, enabling either comprehensive document updates or targeted modifications to specific fields. This flexibility allows users to efficiently manage and optimize their data.
* When updating an entire document, the API replaces all existing fields with the new data provided. Alternatively, selective field updates enable more precise adjustments without altering the rest of the document, improving efficiency and performance.
* By supporting both methods, the API caters to diverse data management needs, ensuring seamless integration and robust functionality within the SOLR ecosystem.

## Http Method: POST

## REQUEST:

|  |  |
| --- | --- |
| Method | URL |
| GET | https://api-cug1-825v2.tajhotels.com/searchService/v1/web-hook |