



# Documentação de APIs

Unidade Curricular de Aplicações Distribuídas  
Mestrado em Desenvolvimento de Software e Sistemas Interactivos

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# Resumo

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- Ferramentas
- Principais secções do documento



# Ferramentas

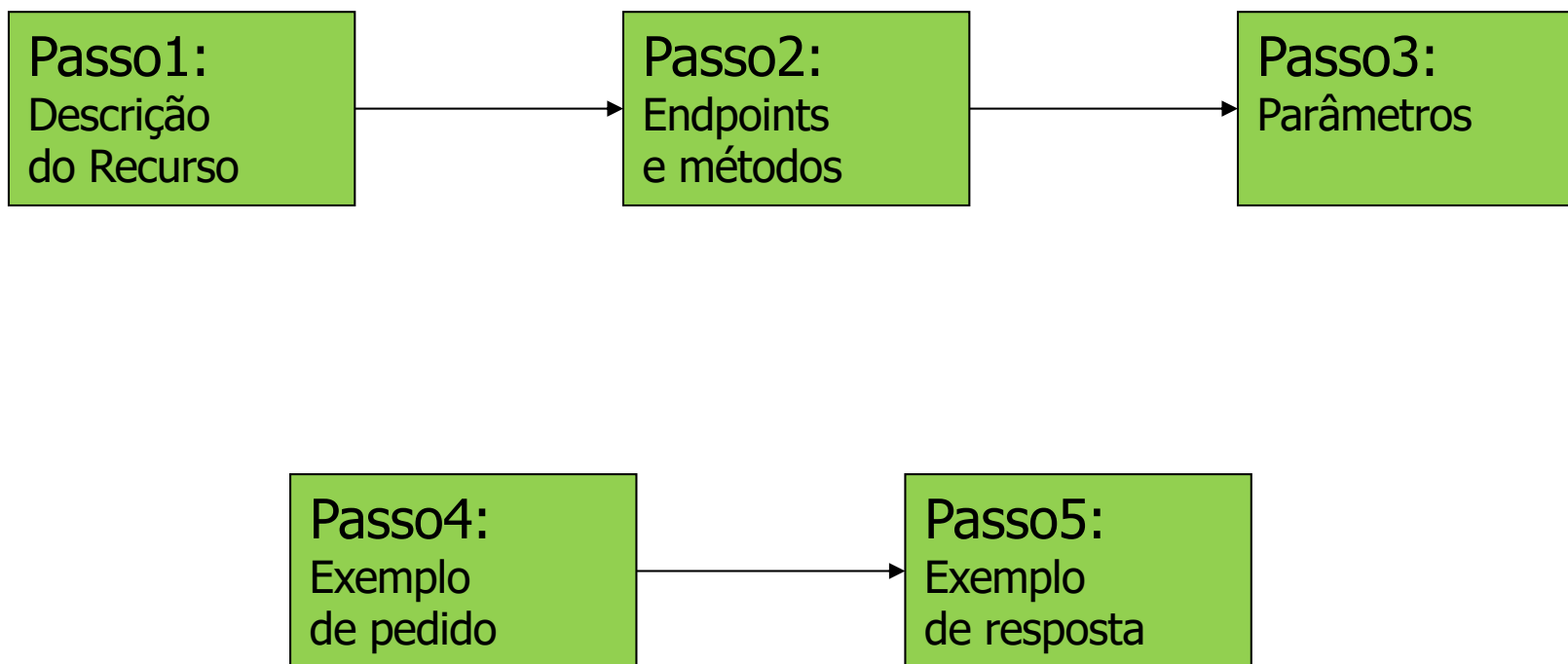
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- Linguagens e Ferramentas Genéricas
  - HTML
    - Exemplo: Visual Studio Code
  - Markdown
    - <https://dillinger.io>
  
- Editores específicos que suportam OpenAPI Specification (OAS2 ou OAS3)
  - Swagger UI
  
  - Redocly
    - <https://redoc.ly/redoc/>



# As 5 secções comuns: Workflow

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# As 5 secções comuns

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- **1. A descrição do recurso:** Os "Recursos" refere-se à informação devolvida por um API.
- **2. Endpoints e métodos:** Os endpoints indicam como se acede ao recurso, enquanto o método indica as interacções permitidas (tais como GET, POST, ou DELETE) com o recurso.
- **3. Parâmetros:** Os parâmetros são opções que pode passar com o parâmetro (tais como especificar o formato de resposta ou a quantidade devolvida) para influenciar a resposta.
- **4. Exemplo de pedido:** O exemplo de pedido inclui um pedido de amostra utilizando o endpoint, mostrando alguns parâmetros configurados.
- **5. Exemplo e esquema de resposta:** O exemplo de resposta mostra uma amostra de resposta do exemplo de pedido; o esquema de resposta define todos os elementos possíveis na resposta.



# Passo1: Descrições dos Recursos Exemplos

[Developer](#) [Documentation](#) [Playground](#) [API Status](#)

Reference:

[Overview](#)  
[API Root](#)  
[Authorized Apps](#)  
[Automations](#)  
[Batch Operations](#)  
[Batch Webhooks](#)  
[Campaign Folders](#)  
**[Campaigns](#)**  
[Content](#)  
[Feedback](#)  
[Send Checklist](#)  
[Conversations](#)  
[E-commerce Stores](#)

## Campaigns

[Campaigns](#) are how you send emails to your MailChimp list. Use the Campaigns API calls to manage campaigns in your MailChimp account.

Subresources

[Content](#)  
[Feedback](#)  
[Send Checklist](#)

### Available methods

	Create	<b>Read</b>	Edit	Delete	Action
<a href="#">GET</a> /campaigns					Get all campaigns
<a href="#">GET</a> /campaigns/{campaign_id}					Get information about a specific campaign

eventbrite

Overview

[Download](#)  
API Blueprint

Introduction

[About our API](#)  
[Authentication](#)  
[Best practices](#)  
[Errors](#)  
[Paginated Responses](#)  
[Expansions](#)  
[Batched Requests](#)  
[API Switches](#)  
[Basic Types](#)

Reference

[Attendee](#)

## Event

Event Object

The Event object represents an Eventbrite Event. An Event is owned by one Organization.

Public Fields

Use these fields to specify information about an Event. For publicly listed Events, this information can be retrieved by applications.

Field	Type	Description
name	multipart-text	Event name.
summary	string	(Optional) Event summary. Short summary describing the event
description	multipart-text	(Optional) Event description. Description can be lengthy and have
url	string	URL of the Event's Listing page on eventbrite.com.
start	datetime-tz	Event start date and time.



# Passo2: Endpoints e métodos

## Exemplos

The screenshot shows the Instagram API documentation page for endpoints related to relationships. The left sidebar lists various API categories, with 'Endpoints' expanded to show 'Users', 'Relationships', 'Media', 'Comments', 'Likes', and 'Tags'. The main content area displays two endpoints:

- GET /users/self/follows**:  
URL: `https://api.instagram.com/v1/users/self/follows?access_token=ACCESS-TOKEN`  
Description: Get the list of users this user follows.  
Requirements: Scope: `follower_list`  
Parameters: `ACCESS_TOKEN` (A valid access token.)
- GET /users/self/followed-by**:  
URL: `https://api.instagram.com/v1/users/self/followed-by?access_token=ACCESS-TOKEN`  
Description: Get the list of users this user is followed by.  
Requirements: Scope: `follower_list`  
Parameters: `ACCESS_TOKEN` (A valid access token.)

The screenshot shows the Box API documentation page. The left sidebar lists various API endpoints, with 'Comments' expanded to show 'List collection items', 'Comment', 'Comments', 'List file comments', 'Get comment', 'Create comment', 'Update comment', and 'Remove comment'. The main content area displays the 'Create comment' endpoint:

- POST /comments**:  
Description: Adds a comment comment by the user to a specific file, or as a reply to an other comment.
- Related Guides**:
  - Create Comment (Comments)
  - Create Reply (Comments)
- Request**



# Passo3: Parâmetros Exemplos

Yelp Fusion

Return to Yelp Fusion

API v2

Get started

API console

Documentation

Introduction

Authentication

Search API

Business API

Phone Search API

iPhone Apps

Errors

Code samples

## Search API

### Request

Name	Method	Description
/v2/search	GET	Search for local businesses.

Note: at this time, the API does not return businesses without any reviews.

### General Search Parameters


Name	Data Type	Required / Optional	Description
term	string	optional	Search term (e.g. "food", "restaurants"). If term isn't included we search everything. The term keyword also accepts business names such as "Starbucks".
limit	number	optional	Number of business results to return
offset	number	optional	Offset the list of returned business results by this amount
sort	number	optional	Sort mode: 0=Best matched (default), 1=Distance, 2=Highest Rated. If the mode is 1 or 2 a search may retrieve an additional 20 businesses past the initial limit of the first 20 results. This is done by specifying an offset and limit of 20. Sort by distance is only supported for a location or geographic search. The rating sort is not strictly sorted by the rating value, but by an adjusted rating value that takes into account the number of ratings, similar to a bayesian





# Passo4: Exemplos de Pedidos

## Exemplos



DEVELOPERS

- LOGIN
- SIGN UP
- LEARN
- DOCS
- Introduction
- Authentication
- Methods
- Errors
- Pagination
- Partial Response
- Calls
- Campaigns
- Contacts
- Keywords

### Pagination

By default, most list endpoints return a maximum of 100 records per page. You can change the number of records on a per-request basis by passing a **limit** parameter in the request URL parameters. Example: **limit=50**. When the response exceeds the per-page maximum, you can paginate through the records by increasing the **offset** parameter. Example: **offset=200** will return 100 records starting from 200th. Along with returned data the page response also returns **limit**, **offset** and **totalCount** fields.

```
{
  "items": [],
  "limit": 50,
  "offset": 200,
  "totalCount": 3605
}
```

curl C#.NET Java JS Python PHP

#### Example Request

```
#!/usr/bin/env bash

# sample shows how to query 50 text records starting from 200. In response you can find a totalCount field.

curl -u "username:password" -H "Content-Type:application/json" -X GET "https://api.callfire.com/v2/texts?limit=50&offset=200"
```

#### Example Response

```
{
  "items": [
    {
      ... skipped ...
    },
    {
      ... skipped ...
    }
  ],
}
```



# Passo5: Exemplos de Respostas

## Exemplos

### Responses

Code	Description	Links
200	<i>Sunrise and sunset times response</i>	No links

application/json

Controls [Accept](#) header.

Example Value

Model

```
{
  "results": {
    "sunrise": "7:27:02 AM",
    "sunset": "5:05:55 PM",
    "solar_noon": "12:16:28 PM",
    "day_length": "9:38:53",
    "civil_twilight_begin": "6:58:14 AM",
    "civil_twilight_end": "5:34:43 PM",
    "nautical_twilight_begin": "6:25:47 AM",
    "nautical_twilight_end": "6:07:10 PM",
    "astronomical_twilight_begin": "5:54:14 AM",
    "astronomical_twilight_end": "6:38:43 PM"
  },
  "status": "OK"
}
```