Trello Testing

This project demonstrates an automation workflow using the Trello API to manage boards, lists, cards, and checklists. The workflow follows the basic CRUD operations (Create, Read, Update, Delete) for each resource. The Postman collections contain tests and request setups to manage Trello resources programmatically.

Board

Request's Work Flow

1. Post - Create a new board on Trello
2. Get - Confirm the board was successful created
3. Put - Updates the board's name
4. Get - Confirms the Updated Board
5. Put - Send an invitaion by email to collaborate
6. Get - Get all the memberships of the board

POST   Create a Board

https://api.trello.com/1/boards?key=•••••••&token=•••••••

Expected Response: When creating a new board, the response should return:

• A **200 OK** status.

• A JSON object with:

• "id": a string representing the board's unique identifier.

• "name": the name of the newly created board.

PARAMS

key	•••••••
token	•••••••

Body raw (json)

```json
{
    "name": "PostMan Project Board"
}
```

GET   Get the created Board

https://api.trello.com/1/boards/{{board_id}}?key=•••••••&token=•••••••

```
{

  "id": "board_id",

  "name": "Project Board",

  "defaultLabels": true,

  "defaultLists": true

}
```

| key | •••••• |
| token | •••••• |

PUT   Update Board's Name

https://api.trello.com/1/boards/{{board_id}}?key=••••••&token=••••••&=&=

This request Updates the Board's name

PARAMS

| key | •••••• |
| token | •••••• |

Body raw (json)

```json
{
    "name": "Updated Board Name"
}
```

GET   Get the created Board 2

https://api.trello.com/1/boards/{{board_id}}?key=••••••&token=••••••

```
{
    "id": "board_id",
    "name": "Project Board",
    "defaultLabels": true,
    "defaultLists": true
}
```

PARAMS

| key | •••••• |
| token | •••••• |

PUT   Send Invite to a board by Email

https://api.trello.com/1/boards/{{board_id}}/members?key=••••••&token=••••••&email=luizloopes@gmail.com

This request sends an invitation by email to collab

PARAMS

key

key	••••••
token	••••••
email	luizloopes@gmail.com

Body raw (json)

```json
{
    "fullName": "Luiz Lopes"
}
```

GET   Get Memberships of a Board

https://api.trello.com/1/boards/{{board_id}}/memberships?key=••••••&token=••••••

This request gets all the memberships of a Board

PARAMS

key	••••••
token	••••••

Lists - Inside the Board

Request's Work Flow

1. Post - Create a new List inside the new board
2. Get - Confirms the List was successful created
3. Put - Updates the list's name
4. Get - Confirms all the lists inside the board
5. Get - Filter the lists inside the board based on it status
6. Put - Archive or unarchive a list
7. Get - Confirms the list was successful archived

POST   Create a New List

https://api.trello.com/1/lists?idBoard={{board_id}}&key=••••••&token=••••••

This request creates a new list inside the new board

PARAMS

idBoard	{{board_id}}
key	••••••
token	••••••

Body raw (json)

```json
{
    "name": "newlist"
}
```

GET   Get a List

https://api.trello.com/1/lists/{{list_id}}?key=•••••••&token=•••••••

PARAMS

key   •••••••

token   •••••••

PUT   Update a List

https://api.trello.com/1/lists/{{list_id}}?key=•••••••&token=•••••••

This requests updates the List Name and seletcs the position inside the board

.

pos

oneOf [number, string]

New position for the list: `top` , `bottom` , or a positive floating point number

PARAMS

key   •••••••

token   •••••••

Body raw (json)

```json
json

{
    "name": "Updated List Name",
    "pos": "top"
}
```

GET   Get Lists in a Board

https://api.trello.com/1/boards/{{board_id}}/lists?key=•••••••&token=•••••••

PARAMS

key   •••••••

token   •••••••

GET   Get Filtered Lists in a Board

https://api.trello.com/1/boards/{{board_id}}/lists?key=•••••••&token=•••••••&filter=all

PARAMS

key   •••••••

token	••••••
filter	all

Archive or unarchive a list

https://api.trello.com/1/lists/{{list_id}}/?key=••••••&token=••••••&closed=false

PARAMS

key	••••••
token	••••••
closed	false

List - Archive Confirmation

https://api.trello.com/1/lists/{{list_id}}?key=••••••&token=••••••

PARAMS

key	••••••
token	••••••

Cards - Inside the List

Request's Work Flow

1. Post - Create a new card inside the new list
2. Get - Confirms the Card was successful created
3. Get - Confirms all the cards inside the list
4. Put - Updates the Card's name, color and description
5. Get - Confirms Updated Card
6. Post - Add a comment inside the new card
7. Get - Filters Cards based on it status

Create New Card

https://api.trello.com/1/cards?idList={{list_id}}&key=••••••&token=••••••&name=new_card&pos=bottom

PARAMS

idList	{{list_id}}
key	••••••
token	••••••
name	new_card
pos	bottom

Body raw (json)

json

```json
{
    "name": "new card",
    "due": "2025-04-01T12:00:00.000Z",
    "desc": "this is the description of my card"
}
```

GET   Get a Card

https://api.trello.com/1/cards/{{card_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

GET   Get Cards in a List

https://api.trello.com/1/lists/{{list_id}}/cards?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

PUT   Update Card

https://api.trello.com/1/cards/{{card_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

Body raw (json)

```json
{
    "name": "Updated Card Name",
    "desc": "Updated card description",
    "due": "2025-04-01T12:00:00.000Z",
    "cover": {
        "color": "pink"
    }
}
```

GET   Get a Card 2

https://api.trello.com/1/cards/{{card_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

POST   Add a comment to a card

https://api.trello.com/1/cards/{{card_id}}/actions/comments?text=this is a comment inside the card&key=•••••••&token=•••••••

PARAMS

text	this is a comment inside the card
key	•••••••
token	•••••••

GET   Get Filtered Cards on a Board

https://api.trello.com/1/boards/{{board_id}}/cards/?key=•••••••&token=•••••••&filter=all

PARAMS

key	•••••••
token	•••••••
filter	all

Checklist - Inside Card

Request's Work Flow

1. Post - Create a Checklist inside the new Card
2. Get - Confirms the CheckList was successful created
3. Put - Updates the Checklist's name
4. Get - Confirms Updated Checklist
5. Post - Create a Checklist item inside the Checklist
6. Get - Confirms the Check Item was successful created

POST   Create CheckList

https://api.trello.com/1/checklists/?idCard={{card_id}}&key=•••••••&token=•••••••

PARAMS

idCard	{{card_id}}
key	•••••••
token	•••••••

Body raw (json)

```json
{
    "name": "New Checklist"
```

```
        }
```

GET   Get CheckList

https://api.trello.com/1/checklists/{{checklist_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

PUT   Update Checklist

https://api.trello.com/1/checklists/{{checklist_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

Body raw (json)

```json
json

{
    "name": "Updated Checklist Name"
}
```

GET   Get CheckList 2

https://api.trello.com/1/checklists/{{checklist_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

POST   Create Checklist Item

https://api.trello.com/1/checklists/{{checklist_id}}/checkItems?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

Body raw (json)

```json
json
```

```
{
    "name": "New Checklist Item",
    "pos": "bottom"
}
```

GET   Get a CheckItem

https://api.trello.com/1/checklists/{{checklist_id}}/checkItems/{{checkitem_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

Delete Itens & Confirmation

Request's Work Flow

The requests delete each item based on its hierarchy, following the opposite workflow of creation to avoid errors

1. Delete - It deletes the last CheckItem created inside the Checklist
2. Get - It confirms the last Checkitem was successful deleted
3. Delete - It deletes the last Checklist created inside the Card
4. Get - It confirms the last Checklist was successful deleted
5. Delete - It deletes the last Card created inside the List
6. Get - It confirms the last Card was successful deleted

DELETE   Delete Check Item

https://api.trello.com/1/checklists/{{checklist_id}}/checkItems/{{checkitem_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

GET   CheckItem - Delete Confirmation

https://api.trello.com/1/checklists/{{checklist_id}}/checkItems/{{checkitem_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

DELETE   Delete Checklist

https://api.trello.com/1/checklists/{{checklist_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••

token	••••••

GET   Checklist - Delete Confirmation

https://api.trello.com/1/checklists/{{checklist_id}}?key=••••••&token=••••••

PARAMS

key	••••••
token	••••••

DELETE   Delete a Card

https://api.trello.com/1/cards/{{card_id}}?key=••••••&token=••••••

PARAMS

key	••••••
token	••••••

GET   Card - Delete Confirmation

https://api.trello.com/1/cards/{{card_id}}?key=••••••&token=••••••

PARAMS

key	••••••
token	••••••

Archive Cards

Request's Work Flow

The requests create new Card again and Archive all the cards again before deleting the entire board, it's to test the Archive Function if we decide to Archive instead of Deleting.

1. Post - Creates a new card inside the List
2. Get - Confirms New Card
3. Post - Archive all the cards inside the List

POST   Create New Card Copy

https://api.trello.com/1/cards?idList={{list_id}}&key=••••••&token=••••••&name=new_card&pos=bottom

PARAMS

idList	{{list_id}}
key	••••••
token	••••••

name	new_card
pos	bottom

Body raw (json)

```json
{
    "name": "new card",
    "due": "2025-04-01T12:00:00.000Z",
    "desc": "this is the description of my card"
}
```

GET   Get New Card

https://api.trello.com/1/cards/{{card_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

POST   Archive All Cards in a List

https://api.trello.com/1/lists/{{list_id}}/archiveAllCards?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

Last Delete and Confirmation

Request's Work Flow

The requests delete the entire Board and there's a last request to confirm the Board was successful deleted.

1. Delete - It deletes the entire Board on Trello
2. Get - It confirms the Board was successful deleted

DELETE   Delete Board

https://api.trello.com/1/boards/{{board_id}}?key=•••••••&token=•••••••

PARAMS

key	•••••••
token	•••••••

GET   Board - Delete Confirm

https://api.trello.com/1/boards/{{board_id}}?key=••••••&token=••••••

PARAMS

key   ••••••

token   ••••••