**Store Lab – API**

The StoreLabApi was created to handle the processes of list, create, modify, and remove stores.

When the request is sent, the response always includes the list of objects or objects related to the request, it also indicates if an error occurred and a list of messages with the description of the status of the response, whether successful or failed.

The following tables have the definition of the JSON objects.

Store field definition

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Table Type | API Type | Description |
| storeId | char(8) | string | Identifier of the store |
| address | varchar(100) | string | Represents the street, avenue, etc. where the store is located this field doesn't include the address number. |
| addressNumber | varchar(8) | string | Represents the number of the address where the street is located. |
| neightborhood | varchar(60) | string | Represents the neighborhood where the store is located. |
| postalCode | varchar(9) | string | Represents the neighborhood where the store is located. |
| lastUpdateDate | timestamp | Date | Date and time of the last change. |
| state | varchar(30) | string | Represents the state where the store is located. |

Enum MessageType definition

|  |  |
| --- | --- |
| Enum | Description |
| Success | Represents a message without errors. |
| Info | Represents a message to show information. |
| Warning | Represents a message when some input is incorrect. |
| Error | Represents a message when the process ending with errors. |

Message field definition

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| messageType | MessageType | Represents the type of message. |
| message | String | Description of the message |

Response field definition

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| List<Store> or | List<Store> | List of stores, just for the GET method |
| element | Store | Represents the store, just for the POST, PUT, DELETE methods |
| hasError | Boolean | If an error exists, the value is true |
| List<Message> | Message | List of messages. |

**GET** /v1/store

This endpoint gets the list of all the stores.

**Request**

No parameters

**Response**

{

    "list": [

        {

            "storeId": "string",

            "addresss": "string",

            "addressNumber": "string",

            "neightborhood": "string",

            "postalCode": "string",

            "lastUpdateDate": "date",

            "state": "string"

        }

    ],

    "hasError": false,

    "listMessages": [

        {

            "messageType": "string",

            "message": "string"

        }

    ]

}

**Response example:**

{

    "list": [

        {

            "storeId": "STORE001",

            "addresss": "12st",

            "addressNumber": "2323",

            "neightborhood": "Glandale",

            "postalCode": "222",

            "lastUpdateDate": "2022-01-01T07:00:00.000+00:00",

            "state": "AZ"

        },

        {

            "storeId": "STORE002",

            "addresss": "12st",

            "addressNumber": "2323",

            "neightborhood": "Glandale",

            "postalCode": "222",

            "lastUpdateDate": "2022-01-01T07:00:00.000+00:00",

            "state": "AZ"

        }

    ],

    "hasError": false,

    "listMessages": [

        {

            "messageType": "Success",

            "message": "The list of stores has been obtained successfully"

        }

    ]

}

**POST** /v1/store

This endpoint creates a new store.

**Request**

No parameters

**Request body**

{

    "address": "string",

    "addressNumber": "string",

    "neightborhood": "string",

    "postalCode": "string",

    "state": "string"

}

**Response**

{

    "list": [

        {

            "storeId": "string",

            "addresss": "string",

            "addressNumber": "string",

            "neightborhood": "string",

            "postalCode": "string",

            "lastUpdateDate": "date",

            "state": "string"

        }

    ],

    "hasError": false,

    "listMessages": [

        {

            "messageType": "string",

            "message": "string"

        }

    ]

}

**Response example:**

{

    "element": {

        "storeId": "J1VHRT79",

        "address": "Main St",

        "addressNumber": "7777",

        "neightborhood": "El Paso",

        "postalCode": "78723",

        "lastUpdateDate": "2022-04-11T03:03:22.834+00:00",

        "state": "TX"

    },

    "hasError": false,

    "listMessages": [

        {

            "messageType": "Success",

            "message": "Store has been created successfully"

        }

    ]

}

**PUT** /v1/store/{storeId}

This endpoint updates a store.

**Request**

|  |  |  |
| --- | --- | --- |
| Parameter name | Type | Description |
| storeId | String | Representing the value of the store to modify |

**Request body**

{

    "address": "string",

    "addressNumber": "string",

    "neightborhood": "string",

    "postalCode": "string",

    "state": "string"

}

**Response**

{

    "list": [

        {

            "storeId": "string",

            "addresss": "string",

            "addressNumber": "string",

            "neightborhood": "string",

            "postalCode": "string",

            "lastUpdateDate": "date",

            "state": "string"

        }

    ],

    "hasError": false,

    "listMessages": [

        {

            "messageType": "string",

            "message": "string"

        }

    ]

}

**Response example:**

{

    "element": {

        "storeId": "STORE002",

        "address": "Central Ave",

        "addressNumber": "1111",

        "neightborhood": "Chinesse",

        "postalCode": "222",

        "lastUpdateDate": "2022-04-11T03:27:13.794+00:00",

        "state": "LAX"

    },

    "hasError": false,

    "listMessages": [

        {

            "messageType": "Success",

            "message": "Store has been updated successfully"

        }

    ]

}

**DELETE** /v1/store/{storeId}

This endpoint removes a store.

**Request**

|  |  |  |
| --- | --- | --- |
| Parameter name | Type | Description |
| storeId | String | Representing the value of the store to remove |

**Response**

{

    "list": [

        {

            "storeId": "string",

            "addresss": "string",

            "addressNumber": "string",

            "neightborhood": "string",

            "postalCode": "string",

            "lastUpdateDate": "date",

            "state": "string"

        }

    ],

    "hasError": false,

    "listMessages": [

        {

            "messageType": "string",

            "message": "string"

        }

    ]

}

**Response example:**

{

    "element": {

        "storeId": "STORE002",

        "address": "Central Ave",

        "addressNumber": "1111",

        "neightborhood": "Chinesse",

        "postalCode": "222",

        "lastUpdateDate": "2022-04-11T03:27:13.777+00:00",

        "state": "LAX"

    },

    "hasError": false,

    "listMessages": [

        {

            "messageType": "Success",

            "message": "Store has been removed successfully"

        }

    ]

}