API REST Design Documentation – Upbank Project

1. Resource description

The "Resources" in an API refer to the information which is returned by an API.

The resources data is described in the typescript and excel files.

2. Endpoints and methods

In an API the endpoints are a point of contact to access the resource, while the methods such as GET, POST, or DELETE indicate the permitted interactions with the resource.

The endpoints and methods are described in the typescript and excel files.

3. Parameters

The parameters are the options we can send with the endpoint to influence the response.

The parameters are described in the excel file.

4. Request example

When we send a request we need to provide the URL, method and the body of the content we want to send to the server.

A Request example for creating a new an account with some parameters configures would be as such:

```json
{
    "fullName" : "Ana Java",
    "birthdate" : "2000-01-01",
    "line1" : "Rua da Penha, nr 1",
    "postalCode" : "8005-220",
    "city" : "Faro",
    "district" : "Faro",
    "taxNumber" : "234567890",
    "email" : "deloitte01@ualg.pt"
}
```

5. Response example

The response example gives a sample response from the given request example.

```json
{
        "timestamp": "2022-09-15T20:27:11.850+00:00",

        "status": 401,

        "error": "Unauthorized",

        "message": "Please enter valid authentication credentials",

        "path": "/api/account"
}
```