



Banking API

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Bank API

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API Structure

Resource	GET	POST	PUT	DELETE
/clients	Return a list of clients	Create a new client	Update an existing client	Remove a client
/clients/8973	Return a specific client	Method not allowed (405)	Update a specific client	Delete a specific client
/bankaccounts	Return a list of bank accounts	Create a new bank account	Update an existing bank account	Remove a bank account
/ bankaccounts /1	Return a specific bank account	Method not allowed (405)	Update a specific bank account	Delete a specific bank account
...

Clients

Query all clients

<http://localhost:8080/clients/>

```
[
  - {
    id: "656809119",
    name: "Daisy C. Ingram",
    - accounts: [
      - {
        id: "5125559597680580",
        name: "Bankia",
        money: 3.3
      }
    ],
    balance: 3.3
  },
  - {
    id: "139041712",
    name: "Isaac S. Reid",
    - accounts: [
      - {
        id: "5181796580552860",
        name: "BBVA",
        money: -91.4
      },
      - {
        id: "5540259810933901",
        name: "Evo Banco",
        money: 25.2
      }
    ],
    balance: -66.2
  },
  - {
    id: "103994433",
    name: "Julio M. Silva",
    - accounts: [
      - {
        id: "5416123015035048",
        name: "Banco Santander",
        money: 11
      }
    ],
  },
]
```

Query one client by id

<http://localhost:8080/clients/103994433>

```

{
  id: "103994433",
  name: "Julio M. Silva",
  - accounts: [
    - {
      id: "5416123015035048",
      name: "Banco Santander",
      money: 11
    },
    - {
      id: "5125559597680580",
      name: "Bankia",
      money: 3.3
    }
  ],
  balance: 14.3
}

```

Create a new client (POST)

<http://localhost:8080/clients/>

POST Params

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary JSON (application/json) ▼

```

1 {
2   "id": "264857625",
3   "name": "Deborah M. Lucas"
4 }

```

Body Cookies Headers (2) Test Results **Status: 201 Created**

Update an existing client (PUT)

<http://localhost:8080/clients/>

PUT Params

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary JSON (application/json) ▼

```

1 {
2   "id": "103994433",
3   "name": "Margaret N. Lyons"
4 }

```

Body Cookies Headers (2) Test Results **Status: 200 OK**

Update an existing client by id (PUT)

<localhost:8080/clients/103994433>

The screenshot shows a REST client interface with the following details:

- Method:** PUT (highlighted with a green box)
- URL:** localhost:8080/clients/103994433
- Params:** (empty)
- Body:** Selected tab showing a JSON body:

```
{  "name": "Francisco S. Oliver"}
```
- Headers:** (1) tab
- Pre-request Script:** (empty)
- Tests:** (empty)
- Form Data:** (empty)
- JSON (application/json):** Selected format
- Status:** 200 OK

Delete an existing client by id (DELETE)

<localhost:8080/clients/103994433>

Bank Accounts

Query all bank accounts

<http://localhost:8080/bankaccounts/>

```
[
  - {
    id: "5181796580552860",
    name: "BBVA",
    money: -91.4
  },
  - {
    id: "5540259810933901",
    name: "Evo Banco",
    money: 25.2
  },
  - {
    id: "5416123015035048",
    name: "Banco Santander",
    money: 11
  },
  - {
    id: "5125559597680580",
    name: "Bankia",
    money: 3.3
  }
]
```

Query one bank account by id

<http://localhost:8080/bankaccounts/5181796580552860>

```
{
  id: "5181796580552860",
  name: "BBVA",
  money: -91.4
}
```

Create a new bank account (POST)

<http://localhost:8080/bankaccounts/>

POST	http://localhost:8080/bankaccounts/			
Authorization	Headers (1)	Body	Pre-request Script	Tests
<input type="radio"/> form-data <input type="radio"/> x-www-form-urlencoded <input checked="" type="radio"/> raw <input type="radio"/> binary JSON (application/json)				
<pre>1 { 2 "id": "666666", 3 "name": "BBVA", 4 "money": -91.4 5 }</pre>				

Update an existing bank account (PUT)

<http://localhost:8080/bankaccounts/>

PUT	http://localhost:8080/bankaccounts/			
Authorization	Headers (1)	Body	Pre-request Script	Tests
<input type="radio"/> form-data <input type="radio"/> x-www-form-urlencoded <input checked="" type="radio"/> raw <input type="radio"/> binary JSON (application/json)				
<pre>1 { 2 "id": "666666", 3 "name": "BBBVAA", 4 "money": -91.4 5 }</pre>				

Delete an existing bank account by id (DELETE)

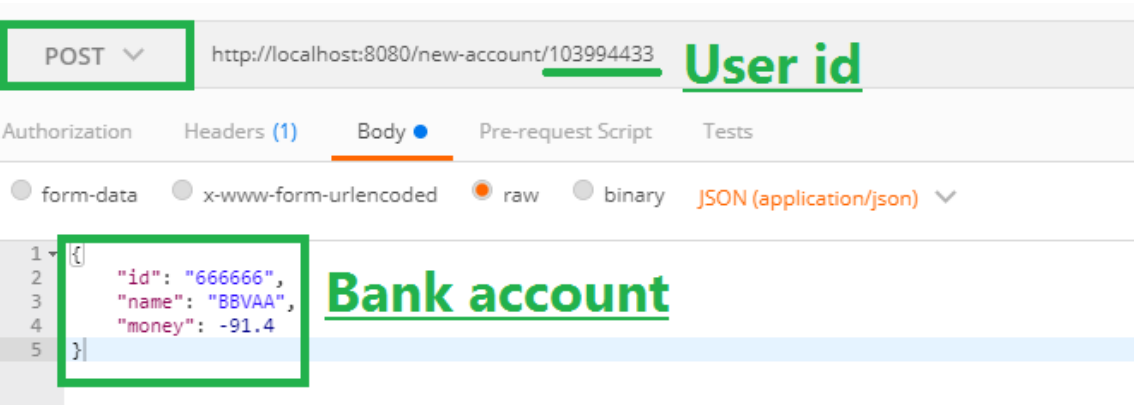
localhost:8080/bankaccounts/103994433

Bank

Create a new account

Using a Post request

<http://localhost:8080/new-account-view>



Using a web page

<http://localhost:8080/new-account-view>

localhost:8080/new-account-view

Create a new bank account

Client id:

103994433

Introduce an existing client id

Bank account id:

6769235442521993

Introduce a new bank id

Bank account name:

BANCA MARCH

Introduce a bank name

Bank balance:

100.50

Has to be a double

Create!

And press Create!

Create a new bank account

Client id:

103994433

Bank account id:

6769235442521993

Bank account name:

BANCA MARCH

Bank balance:

100.50

Create!

Julio M. Silva

Client data		
ID	Name	Balance
103994433	Julio M. Silva	114.8

Accounts		
Description	Number	Balance
Banco Santander	5416123015035048	11.0
Bankia	5125559597680580	3.3
BANCA MARCH	6769235442521993	100.5

Deposit Money

Using a GET request
<http://localhost:8080/deposit?id=5416123015035048&amount=234>

Banco Santander

Bank account data

ID	Name	Balance
5416123015035048	Banco Santander	713.0

Owners

Name	Id
Julio M. Silva	103994433

Withdraw Money

Using a GET request
<http://localhost:8080/withdraw?id=5416123015035048&amount=100>

Banco Santander

Bank account data

ID	Name	Balance
5416123015035048	Banco Santander	713.0

Owners

Name	Id
Julio M. Silva	103994433