

# MeritAmerica Bank API

## Overview

REST API Design Documentation

## Version information

*Version* : 1.0

## Contact information

*Contact* : Irina Babkina

*Contact Email* : [ibabkina700@gmail.com](mailto:ibabkina700@gmail.com)

## License information

*License* : API Licence

*License URL* : <http://meritamericabank.com>

*Terms of service* : Free to Use

## URI scheme

*Host* : localhost:8080

*BasePath* : /

## Tags

- account-holder-controller : Account Holder Controller
- bank-account-controller : Bank Account Controller
- cd-offering-controller : CD Offering Controller
- login-controller : Login Controller
- user-account-controller : User Account Controller
- user-controller : User Controller

## Paths

### getAccountHolderById

GET /Me

## Parameters

Type	Name	Description	Schema
Header	<b>Authorization</b> <i>required</i>	Authorization	string

## Responses

HTTP Code	Description	Schema
200	OK	<a href="#">AccountHolder</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- *\*/\**

## Tags

- user-account-controller

# addCDAccount

POST /Me/cdAccounts

## Parameters

Type	Name	Description	Schema
Header	<b>Authorization</b> <i>required</i>	Authorization	string
Body	<b>cdAccount</b> <i>required</i>	cdAccount	<a href="#">CDAccountReq</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">CDAccountRes</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- user-account-controller

# getCDAccounts

GET /Me/cdAccounts

## Parameters

Type	Name	Description	Schema
Header	<b>Authorization</b> <i>required</i>	Authorization	string

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">CDAccountRes</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

HTTP Code	Description	Schema
404	Not Found	No Content

## Produces

- \*/\*

## Tags

- user-account-controller

# addCheckingAccount

POST /Me/checkingAccounts

## Parameters

Type	Name	Description	Schema
Header	<b>Authorization</b> <i>required</i>	Authorization	string
Body	<b>checkingAccount</b> <i>required</i>	checkingAccount	<a href="#">CheckingAccount</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">CheckingAccount</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- application/json

## Produces

- *\*/\**

## Tags

- user-account-controller

# getCheckingAccounts

GET /Me/checkingAccounts

## Parameters

Type	Name	Description	Schema
Header	<b>Authorization</b> <i>required</i>	Authorization	string

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">CheckingAccount</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- *\*/\**

## Tags

- user-account-controller

# addSavingsAccount

POST /Me/savingsAccounts

## Parameters

Type	Name	Description	Schema
Header	<b>Authorization</b> <i>required</i>	Authorization	string
Body	<b>savingsAccount</b> <i>required</i>	savingsAccount	<a href="#">SavingsAccount</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">SavingsAccount</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- user-account-controller

# getSavingsAccounts

GET /Me/savingsAccounts

## Parameters

Type	Name	Description	Schema
Header	<b>Authorization</b> <i>required</i>	Authorization	string

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">SavingsAccount</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- *\*/\**

## Tags

- user-account-controller

# addAccountHolder

POST /accountHolders

## Parameters

Type	Name	Description	Schema
Body	<b>accountHolder</b> <i>required</i>	accountHolder	<a href="#">AccountHolderReq</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">AccountHolderRes</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- account-holder-controller

# getAccountHolders

GET /accountHolders

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">AccountHolderRes</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- `*/*`



## Tags

- account-holder-controller

## getAccountHolderById

GET /accountHolders/{customerId}

### Parameters

Type	Name	Description	Schema
Path	<b>customerId</b> <i>required</i>	customerId	integer (int64)

### Responses

HTTP Code	Description	Schema
200	OK	<a href="#">AccountHolderRes</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

### Produces

- \*/\*

## Tags

- account-holder-controller

## addCDAcc

POST /accountHolders/{customerId}/cdAccounts

### Parameters

Type	Name	Description	Schema
Path	<b>customerId</b> <i>required</i>	customerId	integer (int64)
Body	<b>cdAccount</b> <i>required</i>	cdAccount	<a href="#">CDAccountReq</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">CDAccountRes</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- bank-account-controller

# getCDAccounts

```
GET /accountHolders/{customerId}/cdAccounts
```

## Parameters

Type	Name	Description	Schema
Path	<b>customerId</b> <i>required</i>	customerId	integer (int64)

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">CDAccountRes</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- \*/\*

## Tags

- bank-account-controller

# addCheckingAcc

POST /accountHolders/{customerId}/checkingAccounts

## Parameters

Type	Name	Description	Schema
Path	<b>customerId</b> <i>required</i>	customerId	integer (int64)
Body	<b>checkingAccount</b> <i>required</i>	checkingAccount	<a href="#">CheckingAccount</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">CheckingAccount</a>
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- bank-account-controller

# getCheckingAccounts

GET /accountHolders/{customerId}/checkingAccounts

## Parameters

Type	Name	Description	Schema
Path	<b>customerId</b> <i>required</i>	customerId	integer (int64)

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">CheckingAccount</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- `*/*`

## Tags

- bank-account-controller

# addSavingsAcc

POST /accountHolders/{customerId}/savingsAccounts

## Parameters

Type	Name	Description	Schema
Path	<b>customerId</b> <i>required</i>	customerId	integer (int64)
Body	<b>savingsAccount</b> <i>required</i>	savingsAccount	<a href="#">SavingsAccount</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">SavingsAccount</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- bank-account-controller

## getSavingsAccounts

GET /accountHolders/{customerId}/savingsAccounts

### Parameters

Type	Name	Description	Schema
Path	<b>customerId</b> <i>required</i>	customerId	integer (int64)

### Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">SavingsAccount</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

### Produces

- \*/\*

## Tags

- bank-account-controller

## createAuthenticationToken

POST /api/authenticate

### Parameters

Type	Name	Description	Schema
Body	<b>authenticationRequest</b> <i>required</i>	authenticationRequest	<a href="#">AuthenticationRequest</a>

## Responses

HTTP Code	Description	Schema
200	OK	object
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- login-controller

# createUser

POST /authenticate/createUser

## Parameters

Type	Name	Description	Schema
Body	<b>user</b> <i>required</i>	user	<a href="#">User</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">User</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- user-controller

# addCDOffering

POST /cdOfferings

## Parameters

Type	Name	Description	Schema
Body	<b>cdOffering</b> <i>required</i>	cdOffering	<a href="#">CDOffering</a>

## Responses

HTTP Code	Description	Schema
201	Created	<a href="#">CDOffering</a>
401	Unauthorized	No Content



HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `*/*`

## Tags

- `cd-offering-controller`

# getCDOfferings

GET /cdOfferings

## Responses

HTTP Code	Description	Schema
200	OK	< <code>CDOffering</code> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- `*/*`

## Tags

- `cd-offering-controller`

# getCDOfferingById

GET /cdOfferings/{cdOfferingId}

## Parameters

Type	Name	Description	Schema
Path	<b>cdOfferingId</b> <i>required</i>	cdOfferingId	integer (int32)

## Responses

HTTP Code	Description	Schema
200	OK	<a href="#">CDOffering</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- \*/\*

## Tags

- cd-offering-controller

# Definitions

## AccountHolder

Name	Schema
<b>cdaccounts</b> <i>optional</i>	< <a href="#">CDAccountRes</a> > array
<b>cdbalance</b> <i>optional</i>	number (double)

Name	Schema
<b>checkingAccounts</b> <i>optional</i>	< <a href="#">CheckingAccount</a> > array
<b>checkingBalance</b> <i>optional</i>	number (double)
<b>combinedBalance</b> <i>optional</i>	number (double)
<b>contact</b> <i>required</i>	<a href="#">AccountHolderContactDetails</a>
<b>firstName</b> <i>required</i>	string
<b>id</b> <i>optional</i>	integer (int64)
<b>lastName</b> <i>required</i>	string
<b>middleName</b> <i>optional</i>	string
<b>numberOfCDAccounts</b> <i>optional</i>	integer (int32)
<b>numberOfCheckingAccounts</b> <i>optional</i>	integer (int32)
<b>numberOfSavingsAccounts</b> <i>optional</i>	integer (int32)
<b>savingsAccounts</b> <i>optional</i>	< <a href="#">SavingsAccount</a> > array
<b>savingsBalance</b> <i>optional</i>	number (double)
<b>ssn</b> <i>required</i>	string

Name	Schema
<b>user</b> <i>optional</i>	<a href="#">User</a>

## AccountHolderContactDetails

Name	Schema
<b>accountHolderId</b> <i>optional</i>	integer (int64)
<b>city</b> <i>optional</i>	string
<b>email</b> <i>optional</i>	string
<b>id</b> <i>optional</i>	integer (int64)
<b>phone</b> <i>optional</i>	string
<b>state</b> <i>optional</i>	string
<b>street</b> <i>optional</i>	string
<b>zip</b> <i>optional</i>	string

## AccountHolderReq

Name	Schema
<b>cdaccounts</b> <i>optional</i>	< <a href="#">CDAccountReq</a> > array
<b>checkingAccounts</b> <i>optional</i>	< <a href="#">CheckingAccount</a> > array

Name	Schema
<b>contact</b> <i>required</i>	<a href="#">AccountHolderContactDetails</a>
<b>firstName</b> <i>required</i>	string
<b>id</b> <i>optional</i>	integer (int64)
<b>lastName</b> <i>required</i>	string
<b>middleName</b> <i>optional</i>	string
<b>savingsAccounts</b> <i>optional</i>	< <a href="#">SavingsAccount</a> > array
<b>ssn</b> <i>required</i>	string
<b>user</b> <i>optional</i>	<a href="#">User</a>

## AccountHolderRes

Name	Schema
<b>cdaccounts</b> <i>optional</i>	< <a href="#">CDAccountRes</a> > array
<b>cdbalance</b> <i>optional</i>	number (double)
<b>checkingAccounts</b> <i>optional</i>	< <a href="#">CheckingAccount</a> > array
<b>checkingBalance</b> <i>optional</i>	number (double)
<b>combinedBalance</b> <i>optional</i>	number (double)

Name	Schema
<b>contact</b> <i>required</i>	<a href="#">AccountHolderContactDetails</a>
<b>firstName</b> <i>required</i>	string
<b>id</b> <i>optional</i>	integer (int64)
<b>lastName</b> <i>required</i>	string
<b>middleName</b> <i>optional</i>	string
<b>numberOfCDAccounts</b> <i>optional</i>	integer (int32)
<b>numberOfCheckingAccounts</b> <i>optional</i>	integer (int32)
<b>numberOfSavingsAccounts</b> <i>optional</i>	integer (int32)
<b>savingsAccounts</b> <i>optional</i>	< <a href="#">SavingsAccount</a> > array
<b>savingsBalance</b> <i>optional</i>	number (double)
<b>ssn</b> <i>required</i>	string
<b>user</b> <i>optional</i>	<a href="#">User</a>

## AuthenticationRequest

Name	Schema
<b>password</b> <i>optional</i>	string

Name	Schema
<b>username</b> <i>optional</i>	string

## CDAccountReq

Name	Schema
<b>accountNumber</b> <i>optional</i>	integer (int64)
<b>balance</b> <i>optional</i>	number (double)
<b>cdOffering</b> <i>optional</i>	<a href="#">CDOffering</a>
<b>interestRate</b> <i>optional</i>	<a href="#">CDOffering</a>
<b>openedOn</b> <i>optional</i>	string (date-time)
<b>term</b> <i>optional</i>	integer (int32)

## CDAccountRes

Name	Schema
<b>accountNumber</b> <i>optional</i>	integer (int64)
<b>balance</b> <i>optional</i>	number (double)
<b>cdOffering</b> <i>optional</i>	<a href="#">CDOffering</a>
<b>interestRate</b> <i>optional</i>	number (double)

Name	Schema
<b>openedOn</b> <i>optional</i>	string (date-time)
<b>term</b> <i>optional</i>	integer (int32)

## CDOffering

Name	Description	Schema
<b>id</b> <i>optional</i>		integer (int32)
<b>interestRate</b> <i>optional</i>	Minimum value : 0 Maximum value : 1	number (double)
<b>term</b> <i>optional</i>	Minimum value : 0 Maximum value : 9223372036854775807	integer (int32)

## CheckingAccount

Name	Schema
<b>accountNumber</b> <i>optional</i>	integer (int64)
<b>balance</b> <i>optional</i>	number (double)
<b>interestRate</b> <i>optional</i>	number (double)
<b>openedOn</b> <i>optional</i>	string (date-time)

## SavingsAccount

Name	Schema
<b>accountNumber</b> <i>optional</i>	integer (int64)



Name	Schema
<b>balance</b> <i>optional</i>	number (double)
<b>interestRate</b> <i>optional</i>	number (double)
<b>openedOn</b> <i>optional</i>	string (date-time)

## User

Name	Schema
<b>active</b> <i>optional</i>	boolean
<b>id</b> <i>optional</i>	integer (int64)
<b>password</b> <i>optional</i>	string
<b>role</b> <i>optional</i>	string
<b>username</b> <i>optional</i>	string