## Introduction

This is guide how to install and use TransferSystem

Developer: Rodion Smolnikov

## Installation Notes

Document variables:

|  |  |
| --- | --- |
| **Var name** | **description** |
| HOST | Host the application is installed on |
| ROOT\_PATH | Root of the git repository |

### Building and insttaling

Open <ROOT\_PATH> and check your M2\_HOME and JAVA\_HOME paths are specified. If not – it can be filled in start.bat

1. To build and start the app execute start.bat
2. Wait for “Javalin has started \o/” row

By default it reserves 8080 port. Now it can be reached by some rest client, for example [Advanced Rest Client](https://install.advancedrestclient.com/#/install)

## Request Mappings

Use applications/x-www-form-urlencoded for requests

Account operations:

**ULR: <HOST>:8080/app/account**

Method PUT: account creation

Form params:

|  |  |
| --- | --- |
| fisrt\_name | Mandatory |
| last\_name | Optional |
| balance | Mandatory |

202 Return: UUID created account

Other codes return: error message

**ULR: <HOST>:8080/app/account/:id**

Id – UUID of the account

Method **GET**: selecting account by id

No form params.

200 Return: string represents the account

Other codes return: error message

**ULR: <HOST>:8080/app/account/:id**

Id – UUID of the account

Method **POST**: updating account

Form params:

|  |  |
| --- | --- |
| fisrt\_name | Optional |
| last\_name | Optional |
| balance | Mandatory NOT |

200 Return: success message about updating

Other codes return: error message

**ULR: <HOST>:8080/app/account/:id**

Id – UUID of the account

Method **DELETE**: account deleteing

No form params.

200 Return: success message about deleting

Other codes return: error message

Transfer operations:

**ULR: <HOST>:8080/app/operation/account/:id**

Id – UUID of the account (operation object)

Method PUT: top up balance operation

Form params:

|  |  |
| --- | --- |
| sum | Mandatory |
| description | Optional |

200 Return: UUID of created operation

Other codes return: error message

**ULR: <HOST>:8080/app/operation/account/:id**

Id – UUID of the account (operation object)

Method DELETE: withdraw sum

Form params:

|  |  |
| --- | --- |
| sum | Mandatory |

200 Return: UUID of created operation

409 Return: UUID of operation and business detailes (insufficient funds)

Other codes return: error message

**ULR: <HOST>:8080/app/operation/account/:id**

Id – UUID of the account (operation object)

Method POST: transfer sum

Form params:

|  |  |
| --- | --- |
| sum | Mandatory |
| transfer\_account\_id | Mandatory. Account money will be transferred to |
| description | Optional |

200 Return: UUID of created operation

409 Return: UUID of operation and business detailes (insufficient funds)

Other codes return: error message

**ULR: <HOST>:8080/app/operation/account/:id/search**

Id – UUID of the account

Method POST: select operations for the account

Form params:

|  |  |
| --- | --- |
| last | Optional. Last operation count to show |

200 Return: easy read/parse list of operations

Other codes return: error message

**ULR: <HOST>:8080/app/operation/:id**

Id – UUID of operation

Method POST: select all info about operation

No form params

200 Return: Operation string representation

Other codes return: error message