This application provides RESTful API for money transfer.

**API** : Money Transfer

**Description** : This api provides functionality for a transfer of money between accounts. Transfers should be specified by providing accountFrom id , accountTo id and the amount to transfer between accounts.

|  |  |  |
| --- | --- | --- |
| Method | URL | Desc |
| POST | /v1/accounts/transfer | Transfer money between 2 accounts |

**Error Codes / Messages**

|  |  |  |
| --- | --- | --- |
| Http Status | Error Code | Error Message |
| 400 | Account\_Error\_100 | Account Does not Exist |
| 400 | Overdraft\_Error\_150 | Account does not have sufficient balance to make this transfer |
| 400 |  |  |

**Constraints / Validations**

* Transfer amount should be positive value
* No overdraft facility available
* Both from and to accounts must be valid.

**Sample Request 1:**

{

“accountFromId” : “Id-2345”,

“accountToId” : “id-4567”,

“amount”: 200

}

**Sample Response 1:**

{

“Money Transferred Successfully”

}

**Sample Request 2:**

{

“accountFromId” : “Id-245”,

“accountToId” : “id-467”,

“amount”: 200o

}

**Sample Response 2:**

{

“Money Transferred Successfully"

}

**Change Details**

|  |  |
| --- | --- |
| File Name | Change Details |
| MoneyTransferRequest | Domain entiry to hold transfer request details |
| AccountNotExistException | Custom exception class for invalid account ids |
| OverDraftException | Custom exception class for overdraft error |
| AccountsRepository | Added API to transfer money |
| AccountsRepositoryInMemory | transferMoney() method implemented to perform business logic to transfer the money and send notification #DAO Layer |
| AccountsService | Added method to transfer money # service layer |
| AccountConstant | Constant file to hold error messages and error codes |
| AccountsController | Added rest API **transferMoney** to transfer money #Controller layer |
| AccountsControllerTest | Added methods to test money transfer, invalid accounts and overdraft feature |
| AccountsServiceTest | Added method to test money transfer service layer method |