API Specification

1. Authentication Login

API name: validateUserPassword

Description: to validate the user password

Method: POST

URI:

http://localhost:3000/api/auth/

Headers:

'Content-Type: application/json'

Parameters:

Body:

{"user\_id": "<int>",  
  "password": "<str>"}

Response:

|  |  |  |
| --- | --- | --- |
| Code | Response Content | Description |
| 201 | { "first\_name": "<str>",  "last\_name": "<str>",  "nric\_fin": "<str>",  "email": "<str>",  "mobile\_number": "<str>",  "account\_number": "<str>"} | User is successfully authenticated |
| 401 Unauthorized | Authentication failed | Wrong password |
| 402 Not Found | User not found | User\_id not found in system |

1. Get account balance

API name: getAccountBalance

Description: Return the balance for the account associated with the user\_id

Method: GET

URI: http://localhost:3000/api/getbal/

Headers:

'Content-Type: application/json'

Parameters:

“user\_id”="<int>",

”password”=”<str>”

Response:

|  |  |  |
| --- | --- | --- |
| Code | Response Content | Description |
| 201 | [{ "account\_numner": “<str>”,  "balance": “<number>”},  { "account\_numner": “<str>”,  "balance": “<number>”},…] | User is successfully authenticated |
| 501 | System Error, Retry Later | System error |

1. Transfer money from one account to another account

API name: transferOutAccount

Description: Transfer money from one account to another account number

Method: POST

URI: http://localhost:3000/api/trfbal/

Headers:

'Content-Type: application/json'

Parameters:

Body:

{"user\_id": "<int>",  
  "password": "<str>",

"fromAccount\_number": "<str>",

"toAccount\_number": "<str>",

"amount": "<number>"}

Response:

|  |  |  |
| --- | --- | --- |
| Code | Response Content | Description |
| 201 | Transaction Successful | Transfer of money success |
| 401 | Transfer Failed. Not enough balance | Not enough money in balance to make a transfer |
| 501 | System Error, Please Retry Later | System error |

1. Change user’s password

API name: changePassword

Description: Change the user password

Method: POST

URI: http://localhost:3000/api/chgpwd/

Headers: 'Content-Type: application/json'

Parameters:

Body: {"user\_id": "<int>",  
  "oldpassword": "<str>",

"newpassword": "<str>",

}

Response:

|  |  |  |
| --- | --- | --- |
| Code | Response Content | Description |
| 201 | Password changed successfully! | Password ok |
| 501 | System Error, Retry Later | System Error |