Users

|  |  |
| --- | --- |
| API name | AddUser |
| Description | Add new user |
| Method | POST |
| URI | /users |
| Headers, Parameters, Body | Body  {      "id":598,      "name": "John Heng",      "mail": "johnheng@xyz.com",      "mobile": "91191100",      "nric" : "S1234765F"  } |
| Response | Record saved successfully |

|  |  |
| --- | --- |
| API name | GetAllUser |
| Description | Show users limit by x |
| Method | GET |
| URI | /users |
| Headers, Parameters, Body | Body  (  “limit”: “10”,  }  Note : Set Limit to 0 to show all |
| Response | [      {          "user\_id": 1,          "name": "Ebonee De Filippis",          "mail": "ede0@posterous.com",          "mobile": "3022104268",          "nric": "X1895885Y"      },      {          "user\_id": 2,          "name": "Lidia Fairburn",          "mail": "lfairburn1@1688.com",          "mobile": "7395144605",          "nric": "C3482263B"      },  ….      {          "user\_id": 10,          "name": "Leland Twyford",          "mail": "ltwyford2@amazon.co.jp",          "mobile": "5093423870",          "nric": "Q6120201D"      }  ] |

|  |  |
| --- | --- |
| API name | GetUserById |
| Description | Show user By ID |
| Method | GET |
| URI | /users/id |
| Headers, Parameters, Body | Body  (  “id”: “599”,  } |
| Response | [      {          "user\_id": 599,          "name": "Harry Lim",          "mail": "harrylim@abc.com",          "mobile": "99887788",          "nric": "S223311A"      }  ] |

|  |  |
| --- | --- |
| API name | GetUserByName |
| Description | Show user By Name |
| Method | GET |
| URI | /users/name |
| Headers, Parameters, Body | Body  (  “name”: “John Hancok”,  } |
| Response | [      {          "user\_id": 599,          "name": "John Hancok",          "mail": "johnhancok@xyz.com",          "mobile": "91191100",          "nric": "S1234765F"      }  ] |

|  |  |
| --- | --- |
| API name | UpdateUser |
| Description | Update a User |
| Method | UPDATE |
| URI | /users |
| Headers, Parameters, Body | Body  (  “id”: “599”,  } |
| Response | {      "fieldCount": 0,      "affectedRows": 1,      "insertId": 0,      "serverStatus": 34,      "warningCount": 0,      "message": "(Rows matched: 1  Changed: 1  Warnings: 0",      "protocol41": true,      "changedRows": 1  } |

|  |  |
| --- | --- |
| API name | DeleteUser |
| Description | Delete A User |
| Method | DELETE |
| URI | /users |
| Headers, Parameters, Body | Body  (  “id”: “599”,  } |
| Response | {      "fieldCount": 0,      "affectedRows": 1,      "insertId": 0,      "serverStatus": 34,      "warningCount": 0,      "message": "",      "protocol41": true,      "changedRows": 0  } |

Accounts

|  |  |
| --- | --- |
| API name | CreateAccount |
| Description | Create account |
| Method | POST |
| URI | /accounts |
| Headers, Parameters, Body | Body  {      "userid": 2,      "type": "checking",      "account\_no": "9999111111",      "balance": 999.98,      "max\_limit": 100000  } |
| Response | Record saved successfully |

|  |  |
| --- | --- |
| API name | DeleteAccount |
| Description | Delete account |
| Method | DELETE |
| URI | /accounts |
| Headers, Parameters, Body | Body  {      "account\_no": "9999111111",  } |
| Response | {      "fieldCount": 0,      "affectedRows": 1,      "insertId": 0,      "serverStatus": 2,      "warningCount": 0,      "message": "",      "protocol41": true,      "changedRows": 0  } |

|  |  |
| --- | --- |
| API name | ShowAccount |
| Description | Show accounts |
| Method | GET |
| URI | /accounts |
| Headers, Parameters, Body | Body  (  “limit”: 2,  } |
| Response | [      {          "user\_id": 182,          "acct\_type": "ceditcard",          "acct\_number": 4017951624857,          "balance": 74811.84,          "date\_created": "2020-06-11T16:00:00.000Z",          "max\_limit": 76502.89      },      {          "user\_id": 249,          "acct\_type": "saving",          "acct\_number": 4017954505285,          "balance": 12705.38,          "date\_created": "2020-03-02T16:00:00.000Z",          "max\_limit": 21340.24      }  ] |

|  |  |
| --- | --- |
| API name | GetHighestBalance |
| Description | Get User with Highest Accounts Balance |
| Method | GET |
| URI | /accounts/highest |
| Headers, Parameters, Body |  |
| Response | [      {          "user\_id": 103,          "name": "Waylen Napoli",          "total": 494534.32      }  ] |

|  |  |
| --- | --- |
| API name | GetLowestBalance |
| Description | Get User with Lowest Accounts Balance |
| Method | GET |
| URI | /accounts/lowest |
| Headers, Parameters, Body |  |
| Response | [      {          "user\_id": 320,          "name": "Lanni Bissiker",          "total": 642.92      }  ] |

|  |  |
| --- | --- |
| API name | GetAccountById |
| Description | Get Accounts By Id |
| Method | GET |
| URI | /accounts/id |
| Headers, Parameters, Body | body  {      "id": 5  } |
| Response | [      {          "user\_id": 5,          "acct\_type": "saving",          "acct\_number": 30034703559198,          "balance": 29884.19,          "date\_created": "2020-01-07T16:00:00.000Z",          "max\_limit": 42397.67      },      {          "user\_id": 5,          "acct\_type": "ceditcard",          "acct\_number": 5384940754904169,          "balance": 55075.16,          "date\_created": "2019-12-06T16:00:00.000Z",          "max\_limit": 85403.47      }  ] |

Transactions

|  |  |
| --- | --- |
| API name | GetTransactionById |
| Description | Get Transaction By UserId |
| Method | GET |
| URI | /transactions/id |
| Headers, Parameters, Body | body  {      "id": 498  } |
| Response | [      {          "user\_id": 498,          "acct\_number": 30374831166809,          "id": 3206175344,          "date": "2020-07-23T03:22:45.000Z",          "type": "food",          "amount": 9501.94      },      {          "user\_id": 498,          "acct\_number": 3586088081157720,          "id": 6087042242,          "date": "2019-10-19T22:16:52.000Z",          "type": "education",          "amount": 4783.15      }  ] |

|  |  |
| --- | --- |
| API name | GetTransactionByAccount |
| Description | Get Transaction By Account |
| Method | GET |
| URI | /transactions/account |
| Headers, Parameters, Body | body  {      "account\_no" : "30374831166809"  } |
| Response | [      {          "acct\_number": 30374831166809,          "id": 3206175344,          "date": "2020-07-23T03:22:45.000Z",          "type": "food",          "amount": 9501.94      }  ] |

|  |  |
| --- | --- |
| API name | GetUsersAverageMonthly |
| Description | Get Transaction By Account |
| Method | GET |
| URI | /transactions/useravemonthly |
| Headers, Parameters, Body | body |
| Response | [      {          "user\_id": 3,          "date": "2019-09-27T18:30:12.000Z",          "AVG(t.amount)": 6031.47      },      {          "user\_id": 5,          "date": "2020-05-31T19:36:10.000Z",          "AVG(t.amount)": 5885.71      },      {          "user\_id": 6,          "date": "2019-09-22T15:29:44.000Z",          "AVG(t.amount)": 3927.62      },      {          "user\_id": 7,          "date": "2019-12-24T06:37:09.000Z",          "AVG(t.amount)": 7768.27      },      {          "user\_id": 8,          "date": "2020-04-25T16:19:30.000Z",          "AVG(t.amount)": 2642.91      },      {          "user\_id": 8,          "date": "2020-07-22T21:23:39.000Z",          "AVG(t.amount)": 1473.22      },      {          "user\_id": 9,          "date": "2019-09-26T04:21:21.000Z",          "AVG(t.amount)": 3944.93      },  …  ] |

|  |  |
| --- | --- |
| API name | GetTopSpender |
| Description | Get Transaction By Account |
| Method | GET |
| URI | /transactions/top |
| Headers, Parameters, Body | body |
| Response | [      {          "user\_id": 495,          "name": "Kendrick Geertsen",          "acct\_number": 337941218931961,          "date": "2020-09-29T08:00:09.000Z",          "cmonth": 3      }  ] |

|  |  |
| --- | --- |
| API name | GetTypeSpending |
| Description | Get Most frequent transaction type |
| Method | GET |
| URI | /transactions/type |
| Headers, Parameters, Body | body |
| Response | [      {          "user\_id": 3,          "ttype": "transport",          "MAX(t1.ctype)": 1      },      {          "user\_id": 5,          "ttype": "online",          "MAX(t1.ctype)": 1      },      {          "user\_id": 6,          "ttype": "online",          "MAX(t1.ctype)": 1      },      {          "user\_id": 7,          "ttype": "utility",          "MAX(t1.ctype)": 1      },  …  ] |

Messages

|  |  |
| --- | --- |
| API name | ShowMessages |
| Description | Show messages from secure message table |
| Method | GET |
| URI | /messages |
| Headers, Parameters, Body | body  {      "limit" : 5  } |
| Response | [      {          "user\_id": 450,          "id": 1,          "date": "2019-12-28T15:45:51.000Z",          "remark": "Programmable 24/7 firmware"      },      {          "user\_id": 482,          "id": 2,          "date": "2020-07-30T08:24:13.000Z",          "remark": "Reverse-engineered explicit array"      },      {          "user\_id": 301,          "id": 3,          "date": "2020-01-24T23:35:55.000Z",          "remark": "Stand-alone regional framework"      },      {          "user\_id": 141,          "id": 4,          "date": "2020-01-31T12:14:14.000Z",          "remark": "Secured mission-critical circuit"      },      {          "user\_id": 473,          "id": 5,          "date": "2020-02-07T19:51:50.000Z",          "remark": "Team-oriented client-server artificial intelligence"      }  ] |

|  |  |
| --- | --- |
| API name | AddMessage |
| Description | Add message to secure message table |
| Method | POST |
| URI | /messages |
| Headers, Parameters, Body | body  {      "id" : 450,     "message" : "Hello World",  } |
| Response | [      {          "user\_id": 450,          "id": 1,          "date": "2019-12-28T15:45:51.000Z",          "remark": "Programmable 24/7 firmware"      },      {          "user\_id": 482,          "id": 2,          "date": "2020-07-30T08:24:13.000Z",          "remark": "Reverse-engineered explicit array"      },      {          "user\_id": 301,          "id": 3,          "date": "2020-01-24T23:35:55.000Z",          "remark": "Stand-alone regional framework"      },      {          "user\_id": 141,          "id": 4,          "date": "2020-01-31T12:14:14.000Z",          "remark": "Secured mission-critical circuit"      },      {          "user\_id": 473,          "id": 5,          "date": "2020-02-07T19:51:50.000Z",          "remark": "Team-oriented client-server artificial intelligence"      }  ] |

|  |  |
| --- | --- |
| API name | DeleteMessage |
| Description | Delete a message |
| Method | DELETE |
| URI | /messages |
| Headers, Parameters, Body | body  {     "message\_id" : 666,  } |
| Response | {      "fieldCount": 0,      "affectedRows": 1,      "insertId": 0,      "serverStatus": 2,      "warningCount": 0,      "message": "",      "protocol41": true,      "changedRows": 0  } |