**User Profile Api**

**Fields**: userId, email, firstName, lastName, password, userType

Service to insert user information

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL}/\_ah/api/userprofileapi/v1/userprofile |
| Method Name | insertUserProfile |
| HTTP Method | POST |
| URL Parameters | firstName, lastName, email, password, userType |
| About Parameters | userType: Parent/Child |
| Response | 200 OK  {  "userId": "5207287069147136",  "email": "doe@email.com",  "firstName": "John",  "lastName": "Doe",  "password": "kjahdlakj",  "userType": "child"  } |

Service to get user information

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/userprofileapi/v1/userprofile/{userId} |
| Method Name | getUserProfile |
| HTTP Method | GET |
| URL Parameters | userId |
| About Parameters | userId: id is generated automatically when a user is created |
| Response | 200 OK  {  "userId": "5207287069147136",  "email": "doe@email.com",  "firstName": "John",  "lastName": "Doe",  "password": "kjahdlakj",  "userType": "child"  } |

Service to list all the users

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/userprofileapi/v1/userprofile |
| Method Name | listUserProfile |
| HTTP Method | GET |
| URL Parameters | N/A |
| About Parameters | N/A |
| Response | 200 OK  {  "items": [  {  "userId": "4644337115725824",  "email": "john@email.com",  "firstName": "john",  "lastName": "doe",  "password": "kjdnfk",  "userType": "parent"  },  {  "userId": "5207287069147136",  "email": "doe@email.com",  "firstName": "John",  "lastName": "Doe",  "password": "kjahdlakj",  "userType": "child"  },  {  "userId": "5770237022568448",  "email": "jane@email.com",  "firstName": "Jane",  "lastName": "Doe",  "password": "dhfbdcdsc",  "userType": "Parent"  }  ]  } |

Service to update user information

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/userprofileapi/v1/userprofile |
| Method Name | updateUserProfile |
| HTTP Method | PUT |
| URL Parameters | userId, firstName, lastName, email, password, userType |
| About Parameters | userId: id of the targeted user |
| Response | 200 OK  {  "userId": "5207287069147136",  "email": "doe@email.com",  "firstName": "John Stevens",  "lastName": "Doe",  "password": "kjdhfjlskj",  "userType": "child"  } |

Service to remove user information

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/userprofileapi/v1/userprofile/{userId} |
| Method Name | removeUserProfile |
| HTTP Method | DELETE |
| URL Parameters | userId |
| About Parameters | userId: id of the targeted user |
| Response | 204 No Content |

**Bank Account Api**

**Fields**: accountNumber, userId, bankName, accountHolder, balance

Service to insert bank account

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL}/\_ah/api/bankaccountapi/v1/bankaccount |
| Method Name | insertBankAccount |
| HTTP Method | POST |
| URL Parameters | accountNumber, userId, bankName, accountHolder , balance |
| About Parameters | userId: id of the user this account is associated with |
| Response | 200 OK  {  "accountNumber": "157489612",  "userId": "5770237022568448",  "bankName": "Fake Bank of Canada",  "accountHolder": "Jane Doe",  "balance": "$845"  } |

Service to get bank account information

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL}/\_ah/api/bankaccountapi/v1/bankaccount{accountNumber} |
| Method Name | getBankAccount |
| HTTP Method | GET |
| URL Parameters | accountNumber |
| About Parameters | N/A |
| Response | 200 OK  {  "accountNumber": "157489612",  "userId": "5770237022568448",  "bankName": "Fake Bank of Canada",  "accountHolder": "Jane Doe",  "balance": "$845"  } |

Service to list bank accounts

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/bankaccountapi/v1/bankaccount |
| Method Name | listBankAccount |
| HTTP Method | GET |
| URL Parameters | N/A |
| About Parameters | N/A |
| Response | 200 OK  {  "items": [  {  "accountNumber": "111111111",  "userId": "4644337115725824",  "bankName": "Scotia Bank",  "accountHolder": "John Doe",  "balance": "$1500"  },  {  "accountNumber": "157489612",  "userId": "5770237022568448",  "bankName": "Fake Bank of Canada",  "accountHolder": "Jane Doe",  "balance": "$845"  },  {  "accountNumber": "333333333",  "userId": "4644337115725824",  "bankName": "Scotia Bank",  "accountHolder": "John Doe",  "balance": "$200"  },  {  "accountNumber": "555555555",  "userId": "5770237022568448",  "bankName": "Scotia Bank",  "accountHolder": "Jane Doe",  "balance": "$20"  }  ]  } |

Service to list bank accounts associated with a certain user

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/bankaccountapi/v1/collectionresponse\_bankaccount/  {userId} |
| Method Name | listBankAccountByUserId |
| HTTP Method | GET |
| URL Parameters | userId |
| About Parameters | N/A |
| Response | 200 OK  {  "items": [  {  "accountNumber": "111111111",  "userId": "4644337115725824",  "bankName": "Scotia Bank",  "accountHolder": "John Doe",  "balance": "$1500"  },  {  "accountNumber": "333333333",  "userId": "4644337115725824",  "bankName": "Scotia Bank",  "accountHolder": "John Doe",  "balance": "$200"  }  ]  } |

Service to update bank account

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/ bankaccountapi/v1/bankaccount/ |
| Method Name | updateBankAccount |
| HTTP Method | PUT |
| URL Parameters | accountNumber , accountHolder, balance, bankName, userId |
| About Parameters | N/A |
| Response | 200 OK  {  "accountNumber": "157489612",  "userId": "5770237022568448",  "bankName": "Fake Bank of Canada",  "accountHolder": "Jane Stevens Doe",  "balance": "$845"  } |

Service to remove user information

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/ bankaccountapi/v1/bankaccount/{accountNumber} |
| Method Name | removeBankAccount |
| HTTP Method | DELETE |
| URL Parameters | accountNumber |
| About Parameters | N/A |
| Response | 204 No Content |

**Transaction History Api**

**Fields**: transactionId, userId, withdrawal, deposit, balance, transactionDate, transactionDescription.

Service to insert a transaction

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL}/\_ah/api/transactionhistoryapi/v1/transactionhistory |
| Method Name | insertTransactionHistory |
| HTTP Method | POST |
| URL Parameters | userId, balance, deposit, withdrawal, transactionDescription |
| About Parameters | userId: id of the user this account is associated with |
| Response | 200 OK  {  "transactionId": "4925812092436480",  "userId": "5770237022568448",  "withdrawal": "",  "deposit": "$50",  "balance": "$400",  "transactionDate": "2016-06-29T02:45:16.981-04:00",  "transactionDescription": "top up"  } |

Service to get a transaction information

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL}/\_ah/api/transactionhistoryapi/v1/transactionhistory/  {transactionId} |
| Method Name | getTransactionHistory |
| HTTP Method | GET |
| URL Parameters | transactionId |
| About Parameters | N/A |
| Response | 200 OK  {  "transactionId": "4925812092436480",  "userId": "5770237022568448",  "withdrawal": "",  "deposit": "$50",  "balance": "$400",  "transactionDate": "2016-06-29T02:45:16.981-04:00",  "transactionDescription": "top up"  } |

Service to list all the transactions

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL}/\_ah/api/transactionhistoryapi/v1/transactionhistory |
| Method Name | listTransactionHistory |
| HTTP Method | GET |
| URL Parameters | N/A |
| About Parameters | N/A |
| Response | 200 OK  {  "items": [  {  "transactionId": "4925812092436480",  "userId": "5770237022568448",  "withdrawl": "",  "deposit": "$50",  "balance": "$400",  "transactionDate": "2016-06-29T02:45:16.981-04:00",  "transactionDescription": "top up"  },  {  "transactionId": "6051711999279104",  "userId": "4644337115725824",  "withdrawl": "$250",  "balance": "$2000",  "transactionDate": "2016-06-29T02:58:20.132-04:00",  "transactionDescription": "Midnight Motel"  },  {  "transactionId": "6333186975989760",  "userId": "5770237022568448",  "withdrawl": "150$",  "balance": "$350",  "transactionDate": "2016-06-29T02:40:07.153-04:00",  "transactionDescription": "Walmart"  }  ]  } |

Service to list transactions of a certain user

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/transactionhistoryapi/v1/collectionresponse\_transactionhistory/{userId} |
| Method Name | listTransactionHistoryByUserId |
| HTTP Method | GET |
| URL Parameters | userId |
| About Parameters | N/A |
| Response | 200 OK  {  "items": [  {  "transactionId": "6051711999279104",  "userId": "4644337115725824",  "withdrawl": "$250",  "balance": "$2000",  "transactionDate": "2016-06-29T02:58:20.132-04:00",  "transactionDescription": "Midnight Motel"  }  ]  } |

Service to update transaction

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/ transactionhistoryapi/v1/transactionhistory |
| Method Name | updateTransactionHistory |
| HTTP Method | PUT |
| URL Parameters | transactionId, userId, withdrawal, deposit, balance, transactionDescription |
| About Parameters | N/A |
| Response | 200 OK  {  "transactionId": "6051711999279104",  "userId": "4644337115725824",  "withdrawal": "",  "deposit": "$225",  "balance": "$1800",  "transactionDate": "2016-06-29T03:04:14.652-04:00",  "transactionDescription": "Refunded from Motel"  } |

Service to remove transaction

|  |  |
| --- | --- |
| Message Content | Value |
| URL | {Based URL} /\_ah/api/ transactionhistoryapi/v1/transactionhistory/{transactionId} |
| Method Name | removeTransactionHistory |
| HTTP Method | DELETE |
| URL Parameters | transactionId |
| About Parameters | N/A |
| Response | 204 No Content |