Step One -1

On board user in the system. Add two or more users

curl --location 'http://localhost:3000/users' \

--header 'Content-Type: application/json' \

--data '{

"firstName": "rachael",

"lastName": "Tayler"

}

'  
**Response:**  
{

"firstName": "Robert",

"lastName": "Jr",

"\_id": "64d1b9f6e2f5d801a78d5294",

"\_\_v": 0

}

**Step 2**: verify user creation.

To Get List of users

curl --location --request GET 'http://localhost:3000/users' \

--header 'Content-Type: application/json' \

--data ''

[

{

"\_id": "64d12c068963f86157d5e050",

"firstName": "rachael",

"lastName": "Tayler",

"\_\_v": 0

},

{

"\_id": "64d135bdbddd8a29865e5600",

"firstName": "Johnny",

"lastName": "Depp",

"\_\_v": 0

},

]  
  
  
Step 3:

Create a Expense to be split and give which friends are going to share that expense  
friendIds are the object Ids of documents created when a user is created in the system.  
initially all the user are friends , then later one pays to other.  
  
curl --location 'http://localhost:3000/expenses' \

--header 'Content-Type: application/json' \

--data '{

"totalExpense": 300,

"friendIds": ["64d135c8bddd8a29865e5602", "64d129488963f86157d5e04d","64d135bdbddd8a29865e5600"]

}

' **Response:**

{

"totalExpense": 300,

"friends": [

{

"\_id": "64d129488963f86157d5e04d",

"firstName": "rachael",

"lastName": "Tayler",

"\_\_v": 0

},

{

"\_id": "64d135bdbddd8a29865e5600",

"firstName": "Johnny",

"lastName": "Depp",

"\_\_v": 0

},

{

"\_id": "64d135c8bddd8a29865e5602",

"firstName": "Amber",

"lastName": "Heard",

"\_\_v": 0

}

],

}

Step 4: Repay amount to fiend   
  
here userId is the objectId of the friend who is receiving the money.  
friendId is the ObjectId of the Person who is paying the money.  
Assuming that one friend has already paid the total expense and other friends are paying him their part of the expense.  
  
  
curl --location 'http://localhost:3000/repayments' \

--header 'Content-Type: application/json' \

--data '{

"userId": "64d129488963f86157d5e04d",

"friendId": "64d135c8bddd8a29865e5602",

"amount": 50

}

'

**Response:  
{**

**"message": "Repayment recorded successfully"**

**}**

Step 5 : Check balance of friend s  
  
this shows the total amount and balance record

curl --location 'http://localhost:3000/balances/64d129488963f86157d5e04d' \

--header 'Content-Type: application/json'  **Response:**  
  
{

"\_id": "64d13650bddd8a29865e560b",

"userId": "64d129488963f86157d5e04d",

"owes": [

{

"friendId": {

"\_id": "64d135bdbddd8a29865e5600",

"firstName": "Johnny",

"lastName": "Depp",

"\_\_v": 0

},

"amount": 200,

"\_id": "64d1365ebddd8a29865e560c"

},

{

"friendId": {

"\_id": "64d135c8bddd8a29865e5602",

"firstName": "Amber",

"lastName": "Heard",

"\_\_v": 0

},

"amount": 100,

"\_id": "64d1365ebddd8a29865e560e"

}

],

"owedBy": [

{

"friendId": {

"\_id": "64d135bdbddd8a29865e5600",

"firstName": "Johnny",

"lastName": "Depp",

"\_\_v": 0

},

"amount": 200,

"\_id": "64d1365ebddd8a29865e560d"

},

{

"friendId": {

"\_id": "64d135c8bddd8a29865e5602",

"firstName": "Amber",

"lastName": "Heard",

"\_\_v": 0

},

"amount": 200,

"\_id": "64d1365ebddd8a29865e560f"

}

],

"\_\_v": 0

}