

Starting up procedure:

- Run the application.sql commands
- Change the username in application.properties if needed
- Once server started tables must be created by themselves. Below tables will be created:

- transaction
- transaction_history

- End points:

- Create transaction endpoint:

- Endpoint: POST <http://localhost:8080/transactions>
- {

```
"participants": ["p2", "p1", "p3"],
"totalAmount": 60,
"payer": "p1",
"type": "MANUALLY",
"amountSplit": {
  "p1": 20,
  "p2": 20,
  "p3": 20
}
```

}

- If type is EQUALLY, No need to provide amount split.
- Response: 200 status alone
- Validation added for most of the corner cases

- Get Summary endpoint:

- Endpoint: GET <http://localhost:8080/summary/>
- Sample response

```
{
  "debtTotal": 40,
  "lendTotal": 0,
  "transactions": [
    {
      "party1": "p3",
      "party2": "p1",
      "amount": 20,
      "relation": "BORROWED_FROM"
    },
    {
      "party1": "p3",
      "party2": "p2",
      "amount": 20,
      "relation": "BORROWED_FROM"
    }
  ]
}
```

```
]
}
```

- Get history endpoint:

- Endpoint: GET <http://localhost:8080/history/?limit=2>
- Sample Response :

```
[
  {
    "party1": "p3",
    "party2": "p2",
    "amount": 20,
    "relation": "BORROWED_FROM"
  },
  {
    "party1": "p3",
    "party2": "p1",
    "amount": 20,
    "relation": "BORROWED_FROM"
  }
]
```

Notes:

1. If you try to run from eclipse then remove exclusion of application.properties file in the project properties.
2. Start the mysql server
3. Run it by skipping test if you face any error mvn clean install -DSkipTests.
Those tests are defaultly generated tests.