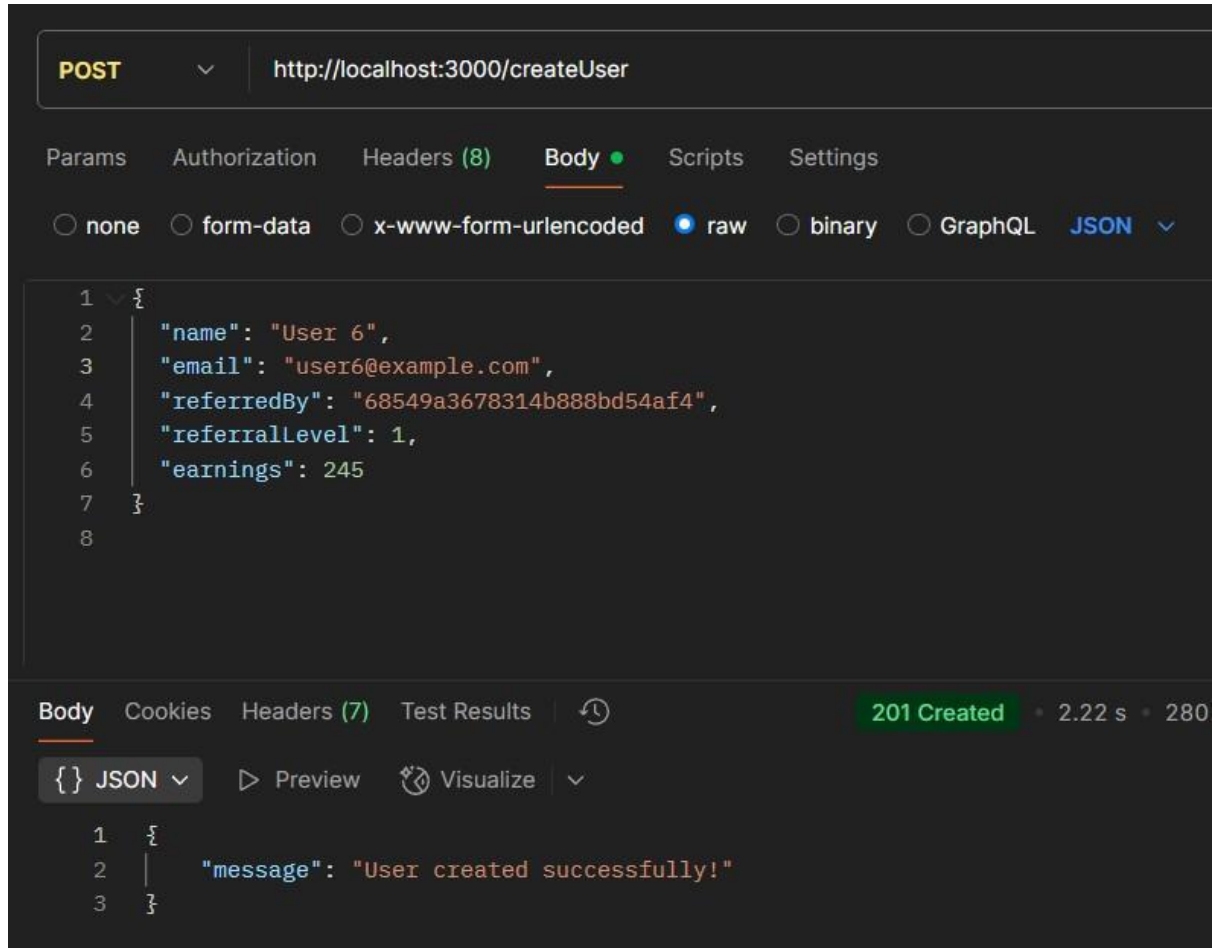


Multi-Level Referral System Project Report

Screenshots

- Postman API Request/Response:





New Collection / **New Request**

POST



http://localhost:3000/purchase

Params

Authorization

Headers (8)

Body

Scripts

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON



```
1 {  
2   "userId": "6854dc15c04c389694f40ca0",  
3   "purchaseAmount": 2700  
4 }  
5
```

Body

Cookies

Headers (7)

Test Results



200 OK

• 333 ms

• 268 B



HTML



▶ Preview



Visualize



1 Purchase processed and earnings updated!

HomeWorkspacesAPI Network

Search PostmanCtrl K

Invite

Up

My WorkspaceNewImport

OverviewNew CollectionGET New Request

Collections

New Collection

GET New Request

Environments

Flows

History

HTTPNew Collection / New Request

GEThttp://localhost:3000/earningsReport/6854b8979ce03a353debc028

ParamsAuthorizationHeaders (6)BodyScriptsSettings

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

This request does not have a body

BodyCookiesHeaders (7)Test Results200 OK132 ms1.97 KB

{} JSONPreviewVisualize

1 {

2 "userId": "6854b8979ce03a353debc028",

3 "totalEarnings": 750,

4 "level1Earnings": 0,

5 "level2Earnings": 750,

6 "earningsDetails": [

7 {

8 "_id": "6854b8d79ce03a353debc030",

9 "user": "6854b8979ce03a353debc028",

10 "referralUser": {

11 "_id": "68549a3678314b888bd54af4",

12 "name": "User 1",

13 "email": "user1@example.com"

14 },

15 "amount": 75,

16 "level": 2,

17 "level1Earnings": 0,

18 "level2Earnings": 0,

19 "transactionDate": "2025-06-20T01:26:47.869Z",

20 "__v": 0

21 },

22 {

23 " id": "6854b8f29ce03a353debc039"

User Earnings

Earnings: 135

Earnings from Level 1 referral: 135

User Information

Name: User 4

Email: user4@example.com

Referral Level: 1

Total Earnings: 670

Level 1 Earnings: 670

Level 2 Earnings: 0

Referrals: User 5

Referred By: User 1

- **MongoDB View:**

- Screenshot of the MongoDB database showing user data, earnings, and referrals.

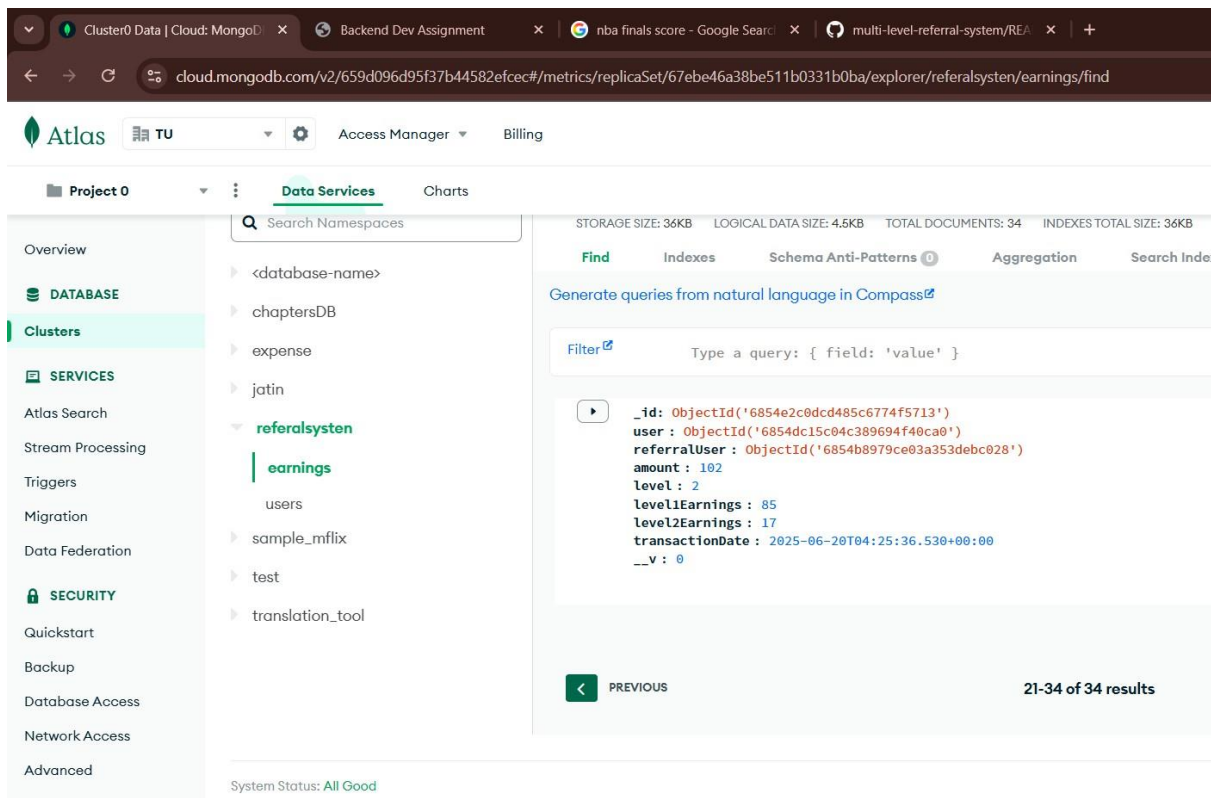
The screenshot shows the MongoDB Atlas web interface. The browser address bar indicates the URL: `cloud.mongodb.com/v2/659d096d95f37b44582efcec#/metrics/replicaSet/67ebe46a38be511b0331b0ba/explorer/referalssystem/users/find`. The interface includes a sidebar on the left with navigation options: Overview, Clusters, SERVICES, and SECURITY. The main panel displays the 'users' collection in the 'referalssystem' database. The top of the main panel shows storage and document statistics: STORAGE SIZE: 36KB, LOGICAL DATA SIZE: 928B, TOTAL DOCUMENTS: 5, INDEXES TOTAL SIZE: 72KB. Below this, there are tabs for Find, Indexes, Schema Anti-Patterns, Aggregation, and Search Indexes. The 'Find' tab is active, showing a list of documents. The first document is:

```
{
  "_id": ObjectId('6854b8979ce03a353debc028'),
  "name": "User 4",
  "email": "user4@example.com",
  "referredBy": ObjectId('68549a3678314b888bd54af4'),
  "referralLevel": 1,
  "earnings": 805,
  "level1Earnings": 805,
  "level2Earnings": 0,
  "referrals": Array (1),
  "__v": 1
}
```

The second document is partially visible:

```
{
  "_id": ObjectId('6854dc15c04c389694f40ca0'),
  "name": "User 5",
  ...
}
```

At the bottom of the interface, the system status is 'All Good' and the copyright notice is '©2025 MongoDB, Inc. Status Terms Privacy Atlas Blog Contact Sales'.



1. GitHub Repository Link

For the full code and additional information, visit the **GitHub repository**:

https://github.com/JSingh1130/Referral_System

Conclusion

The **Multi-Level Referral System** enables efficient referral tracking and earnings calculation across multiple levels. This system can be expanded to include additional referral levels, payment integration, or other features as needed.

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