

BlackLight Game Backend Developer

Tech Round 1

Attached is the transaction detail of each transaction that has happened in the game during a day for all users.

Each row in the attached csv represents a transaction by the user.

The columns to focus on are:

1. **uid** - Each user has a unique ID
2. **tx_coins** - Amount of Coins that were transacted. tx_coins = 0 indicates the transaction is not of coins.
3. **total_coins_after** - Number of coins user has left with after the transaction
4. **time_stamp** - Date & time of the transaction.

Requirement:

Pull the last transaction of coins of each user in a mongoDB. And prepare a leaderboard of users based of total_coins_after field. The more the total_coins_after better the rank.

Below is the sample front-end UI. This is basically for testing the backend.

- Given the user Id (uid), fetch the rank of that user.
- In case uid is not provided, display Top 100 players of the leaderboard.

Enter UID

SUBMIT

Display the response here

Points to Note:

- Make sure that the code is optimised for RAM usage and time taken.
- Feel free to use any programming language.

Deliverables:

1. Complete source code
2. Deploy the code on any server and share URL
3. Readme file on technical flow/ stack of this problem that you have used.