

# All teams projects:

## Dystopian Credit System - Robert

- They tell us whether they will grant the loan or not.
- They provide the loan conditions (they come with a counteroffer).
- Bank accounts → increase or decrease the credit score.
- We provide income, transactions, and other loans.
- We calculate whether the user has delayed the payment of interest or the principal amount.
- They will create the table with the necessary data.

## Social Features - Razvan

- They need the function to update the bank account (user transactions).
- Chat functionality.
- Group chat where someone can request money from everyone.
- We send the user ID to identify users (common users table).

## Gambling - Ioshua

- We take the amount from the account, and they convert the money and deposit it into the application.
- They convert it into gold coins and then back into real money, sending the final amount to us.
- They need the transaction history related to gambling and stocks.
- They need users and accounts data.

## Transactions history(type,...) → can be applied to the stocks part(we have a transaction on the currency exchange market)

- Each transaction has: sender, receiver, time and date, category(would be determined by the receiver of the transaction, ex. a grocery store), type, currency, amount
- verifiable: transactions between 2 mock accounts to test correctness
- test if the sold of the account permits the transaction (if i have 100 lei and want to send 101, I will not be able to, error messages!)
- transaction means receiving AND sending money
- A transaction can happen between (only) 2 accounts!
- each transaction has a unique id
- A transaction will go like this: A user initiates a new transaction and inputs the email of the receiver. After that he/she will select the currency (from the ones available in his/her account) and a sum to transfer. The sum needs to be  $\leq$  to the total sum in that currency account from that user. After the transaction is

initiated, check if the receiving user has an account in that currency, if not, create one (easy).

### **Currency exchange**

- Currency exchange happens if a transaction is made between two accounts with different currencies

Endre - user account (create + update)

Andrada - transactions + currency exchange

Mike - loans

Dan - bank account create, delete, show

Marius - transaction history

Alex - log in + log out + main page

Codrut - Delete user account + update bank account