

Project Notes

General Notes

- 1- Each coin should have a coin ID.
- 2- Each transaction should have a transaction ID, a hash pointer to the previous transaction, the amount of coins and signed by the sender.
- 3- Each block in the blockchain should have a block ID, 10 valid transactions, a hash of the block, and a hash pointer to the previous block.
- 4- The final hash pointer should be signed by Scrooge.
- 5- Scrooge verifies that the transaction belongs to the owner.
- 6- Scrooge verifies that the transaction is not a Double spending.
- 7- If 5 and 6 are verified Scrooge publishes the transaction to the block.
- 8- Scrooge will create and sign the 10 initial scrooge coins for each user.
- 9- A user cannot confirm a transaction unless it is published on the blockchain.

Teams Requirements Notes

- 1- Additional transaction verification should be applied using the Merkel Tree.