Bitcoin Transaction Chain

- o Please create a transaction chain

Transaction	Transaction ID
o Alice (address: A1) already had 0.2000 BTC which was purchased from Joe (addess: J1) in a previous transaction (ID 1111). o Alice (address: A1) pays 0.1700 BTC to buy a book from Eve (address: E1).	1234
o Eve (address: E1) pays 0.0145 BTC to buy coffee from Bob (address: B1)	2345
o Bob (address: B1) pays 0.0085 BTC to buy sugar from Jack (address: J1)	4567

- o The inputs of each transaction should have

  - • Current Transaction ID

  - • Previous Transacction ID

  - • The buyer's Name

  - • The buyer's Bitcoin Address

  - • BTC

- o The outputs of each transaction should have

  - • For each output

    - o The seller's Bitcoin Address

    - o BTC

- If there is a change, the change is returned to the buyer indicated by the byer's Bitcoin Address
- Transaction Fees
  - Set all the transaction fee to be 0.0003 BTC

Transaction 1111

INPUTS From		OUTPUTS To		
From(previous transaction Joe has received)		Output#0	A1	0.2000 BTC(spent)
Joe	0.2003 BTC	Transaction Fess:		0.0003 BTC
Address: J1				

Transaction 1234

INPUTS From		OUTPUTS To		
1111		Output#0	E1	0.1700 BTC(spent)
Alice	0.2000 BTC	Output#1	A1(change)	0.0297 BTC(unspent)
Address: A1		Transaction Fess:		0.0003 BTC

Transaction 2345

INPUTS From		OUTPUTS To		
1234		Output#0	B1	0.0145 BTC(spent)
Eve	0.1700 BTC	Output#1	E1(change)	0.1552 BTC(unspent)
Address: E1		Transaction Fess:		0.0003 BTC

Transaction 4561

INPUTS From		OUTPUTS To		
2345		Output#0	J1	0.0085 BTC(spent)
Bob	0.0145 BTC	Output#1	B1(change)	0.0057 BTC(unspent)
Address: B1		Transaction Fess:		0.0003 BTC