

Jacob Almon
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Outside Packages
pip install PyQt5

Server is running...

Start Server

Stop Server

Exit

Server Messages

Login

Server Log



Discord



clara

A

G

Login

Exit

Step 1

Simplified Bitcoin

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.

Server Log



Discord



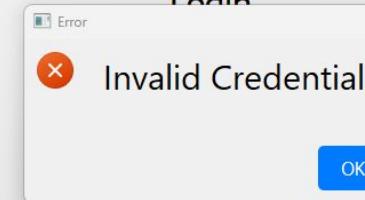
clara

A

G

Login

Exit



Step 1

Simplified Bitcoin

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.

Server Log



Discord



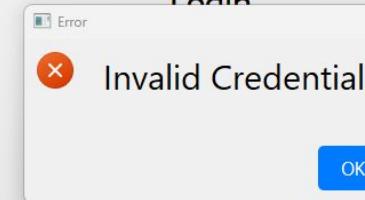
clara

A

G

Login

Exit



Step 1

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.

Server Log



Discord



clara

Login

A

A

Login

Exit

Step 2

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.

Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



clara

User A is authenticated.

Balance: 10 BTC

TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2

Make Transaction

Fetch and Display Table

Logout

Step 2

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



clara

Balance: 10 BTC

How much BTC do you transfer?

Enter amount

Who will be Payee1?

Select One

How much BTC do you transfer to Payee1?

Enter amount for Payee1

Submit Transaction

Cancel Transaction

Step 3

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.

Received Authentication Request from User A.
User A is Authenticated.

Balance: 10 BTC

How much BTC do you transfer?

1

Who will be Payee1?

B

How much BTC do you transfer to Payee1?

2

Submit Transaction

Cancel Transaction

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.

Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



clara

Balance: 10 BTC

How much BTC do you transfer?

1

Who will be Payee1?

B

How much BTC do you transfer to Payee1?

2

Submit Transaction

Cancel Transaction



Step 3

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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Balance: 10 BTC

How much BTC do you transfer?

Who will be Payee1?

How much BTC do you transfer to Payee1?

Submit Transaction

Cancel Transaction

Step 3

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.

Server Log



Discord



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User A's transaction has been confirmed.

User A's Balance: 9.0 BTC.

Main Page

Step 3

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.

Server Log



Discord



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User A is authenticated.

Balance: 9.0 BTC

TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2

Make Transaction

Fetch and Display Table

Logout

Step 3

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A

Server Log



Discord



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User A is authenticated.

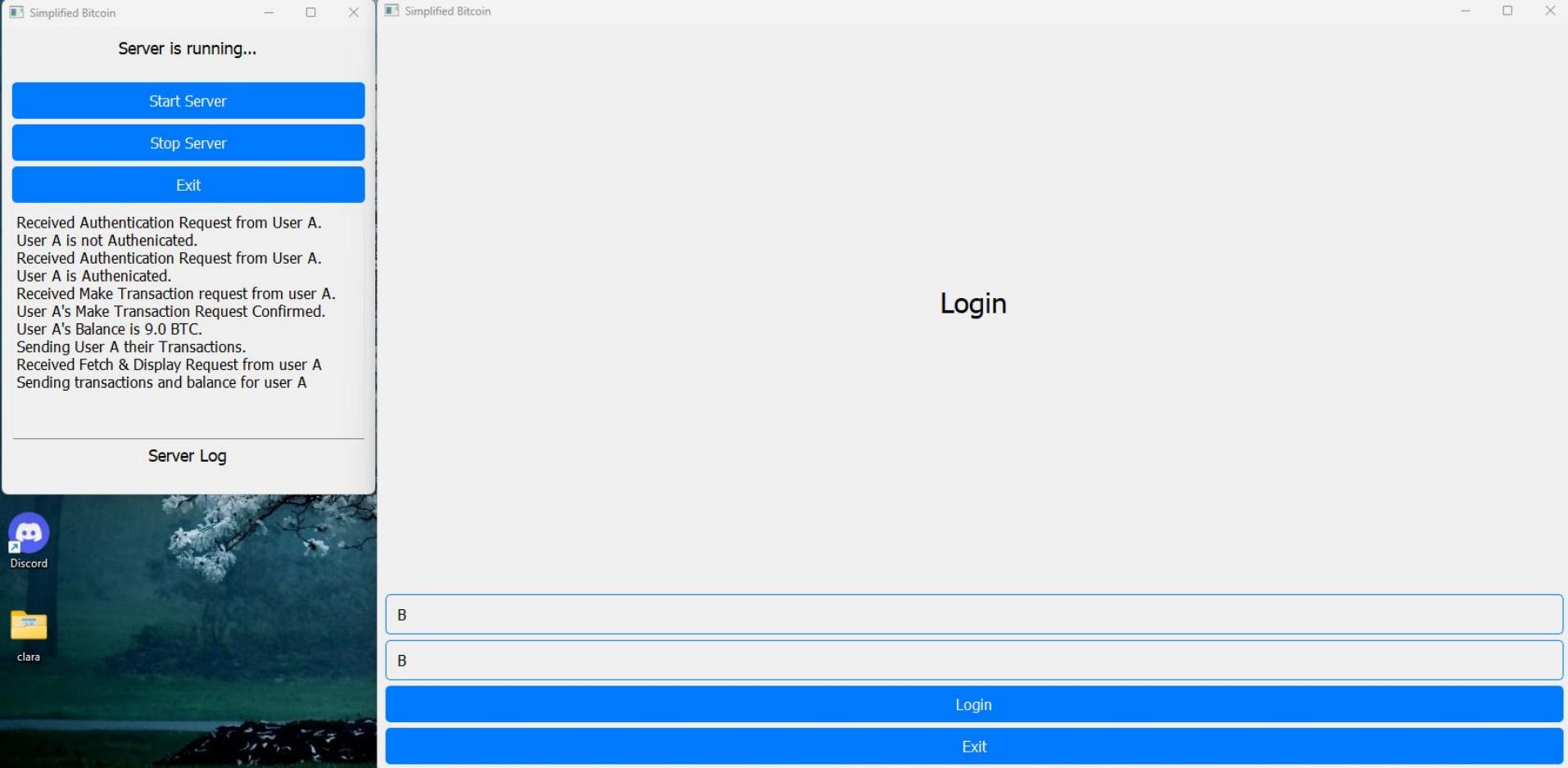
Balance: 9.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		

Make Transaction

Fetch and Display Table

Logout



Step 5

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.

Server Log



Discord



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User B is authenticated.

Balance: 11.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		

Make Transaction

Fetch and Display Table

Logout

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.

Server Log



Discord



clara

Balance: 11.0 BTC

How much BTC do you transfer?

Who will be Payee1?

How much BTC do you transfer to Payee1?

Submit Transaction

Cancel Transaction

Step 5

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.

Server Log



Discord



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Balance: 11.0 BTC

How much BTC do you transfer?

5

Who will be Payee1?

C

How much BTC do you transfer to Payee1?

2

Who will be Payee2?

Select One

Submit Transaction

Cancel Transaction

Step 5

Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is not Authenticated.
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.

Server Log



Discord



clara

Balance: 11.0 BTC

How much BTC do you transfer?

5

Who will be Payee1?

C

How much BTC do you transfer to Payee1?

2

Who will be Payee2?

D

Submit Transaction

Cancel Transaction

Step 5

Server is running...

Start Server

Stop Server

Exit

Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 9.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.
Received Make Transaction request from user B.
User B's Make Transaction Request Confirmed.
User B's Balance is 6.0 BTC.
Sending User B their Transactions.

Server Log

User B's transaction has been confirmed.

User B's Balance: 6.0 BTC.

Main Page

Server is running...

Start Server

Stop Server

Exit

Received Make Transaction request from user A.

User A's Make Transaction Request Confirmed.

User A's Balance is 9.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Received Authentication Request from User B.

User B is Authenticated.

Received Make Transaction request from user B.

User B's Make Transaction Request Confirmed.

User B's Balance is 6.0 BTC.

Sending User B their Transactions.

Server Log



Discord



clara

User B is authenticated.

Balance: 6.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		

Make Transaction

Fetch and Display Table

Logout

Step 6

Server is running...

Start Server

Stop Server

Exit

User A's Balance is 9.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Received Authentication Request from User B.

User B is Authenticated.

Received Make Transaction request from user B.

User B's Make Transaction Request Confirmed.

User B's Balance is 6.0 BTC.

Sending User B their Transactions.

Received Fetch & Display Request from user B

Sending transactions and balance for user B

Server Log



Discord



clara

User B is authenticated.

Balance: 6.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		
2	200	B	5.0	C	2.0	D	3.0

Make Transaction

Fetch and Display Table

Logout

Step 6

Server is running...

Start Server

Stop Server

Exit

User A's Balance is 9.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.
Received Make Transaction request from user B.
User B's Make Transaction Request Confirmed.
User B's Balance is 6.0 BTC.
Sending User B their Transactions.
Received Fetch & Display Request from user B
Sending transactions and balance for user B

Server Log



Discord



clara

Login

A

A

Login

Exit

Step 7

Simplified Bitcoin

Server is running...

[Start Server](#)[Stop Server](#)[Exit](#)

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.
Received Make Transaction request from user B.
User B's Make Transaction Request Confirmed.
User B's Balance is 6.0 BTC.
Sending User B their Transactions.
Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.

Server Log

Simplified Bitcoin

User A is authenticated.

Balance: 9.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		

Server Log



Discord



clara

[Make Transaction](#)[Fetch and Display Table](#)[Logout](#)

Step 7



Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.

Received Make Transaction request from user B.
User B's Make Transaction Request Confirmed.
User B's Balance is 6.0 BTC.

Sending User B their Transactions.

Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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Balance: 9.0 BTC

How much BTC do you transfer?

Enter amount

Who will be Payee1?

Select One

How much BTC do you transfer to Payee1?

Enter amount for Payee1

Submit Transaction

Cancel Transaction

Step 7

Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Received Authentication Request from User B.

User B is Authenticated.

Received Make Transaction request from user B.

User B's Make Transaction Request Confirmed.

User B's Balance is 6.0 BTC.

Sending User B their Transactions.

Received Fetch & Display Request from user B

Sending transactions and balance for user B

Received Authentication Request from User A.

User A is Authenticated.

Server Log



Discord



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Balance: 9.0 BTC

How much BTC do you transfer?

Who will be Payee1?

How much BTC do you transfer to Payee1?

Submit Transaction

Cancel Transaction

Simplified Bitcoin

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Simplified Bitcoin

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Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.

Received Make Transaction request from user B.
User B's Make Transaction Request Confirmed.
User B's Balance is 6.0 BTC.

Sending User B their Transactions.

Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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Balance: 9.0 BTC

How much BTC do you transfer?

6

Who will be Payee1?

C

How much BTC do you transfer to Payee1?

4

Who will be Payee2?

D

Submit Transaction

Cancel Transaction

Step 7

Server is running...

Start Server

Stop Server

Exit

Received Make Transaction request from user B.
User B's Make Transaction Request Confirmed.
User B's Balance is 6.0 BTC.
Sending User B their Transactions.
Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.
Sending User A their Transactions.

Server Log

User A's transaction has been confirmed.

User A's Balance: 3.0 BTC.

Main Page



Step 7

Server is running...

Start Server

Stop Server

Exit

Received Make Transaction request from user B.
User B's Make Transaction Request Confirmed.
User B's Balance is 6.0 BTC.
Sending User B their Transactions.
Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.
Sending User A their Transactions.

Server Log



Discord



clara

User A is authenticated.

Balance: 3.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		

Make Transaction

Fetch and Display Table

Logout

Server is running...

Start Server

Stop Server

Exit

User B's Balance is 6.0 BTC.

Sending User B their Transactions.

Received Fetch & Display Request from user B

Sending transactions and balance for user B

Received Authentication Request from User A.

User A is Authenticated.

Received Make Transaction request from user A.

User A's Make Transaction Request Confirmed.

User A's Balance is 3.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Server Log



Discord



clara

User A is authenticated.

Balance: 3.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		
2	101	A	6.0	C	4.0	D	2.0

Make Transaction

Fetch and Display Table

Logout

Step 8

Simplified Bitcoin

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Simplified Bitcoin

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Server is running...

Start Server

Stop Server

Exit

User B's Balance is 6.0 BTC.
Sending User B their Transactions.
Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A

Server Log



Discord



clara

Login

C

C

Login

Exit

Step 9

Server is running...

[Start Server](#)[Stop Server](#)[Exit](#)

User B's Balance is 6.0 BTC.
Sending User B their Transactions.
Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.
Sending User A their Transactions.
Received Authentication Request from User C.
User C is Authenticated.

Server Log



Discord



clara

User C is authenticated.

Balance: 16.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	200	B	5.0	C	2.0	D	3.0
2	101	A	6.0	C	4.0	D	2.0

[Make Transaction](#)[Fetch and Display Table](#)[Logout](#)

Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.

Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Server Log



Discord



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Balance: 16.0 BTC

How much BTC do you transfer?

Enter amount

Who will be Payee1?

Select One

How much BTC do you transfer to Payee1?

Enter amount for Payee1

Submit Transaction

Cancel Transaction

Step 9

Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.

Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Server Log



Discord



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Balance: 16.0 BTC

How much BTC do you transfer?

10

Who will be Payee1?

A

How much BTC do you transfer to Payee1?

2

Submit Transaction

Cancel Transaction

Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User A.
User A is Authenticated.

Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Server Log



Discord



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Balance: 16.0 BTC

How much BTC do you transfer?

10

Who will be Payee1?

A

How much BTC do you transfer to Payee1?

2

Who will be Payee2?

B

Submit Transaction

Cancel Transaction

Server is running...

Start Server

Stop Server

Exit

Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.
Sending User A their Transactions.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.
Received Make Transaction request from user C.
User C's Make Transaction Request Confirmed.
User C's Balance is 6.0 BTC.
Sending User C their Transactions.

Server Log

User C's transaction has been confirmed.

User C's Balance: 6.0 BTC.

Main Page



Server is running...

Start Server

Stop Server

Exit

Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Confirmed.
User A's Balance is 3.0 BTC.
Sending User A their Transactions.
Received Authentication Request from User C.
User C is Authenticated.
Received Make Transaction request from user C.
User C's Make Transaction Request Confirmed.
User C's Balance is 6.0 BTC.
Sending User C their Transactions.

Server Log



Discord



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User C is authenticated.

Balance: 6.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	200	B	5.0	C	2.0	D	3.0
2	101	A	6.0	C	4.0	D	2.0

Make Transaction

Fetch and Display Table

Logout

Server is running...

Start Server

Stop Server

Exit

User A's Balance is 3.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Received Authentication Request from User C.

User C is Authenticated.

Received Make Transaction request from user C.

User C's Make Transaction Request Confirmed.

User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C

Sending transactions and balance for user C

Server Log



Discord



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User C is authenticated.

Balance: 6.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	200	B	5.0	C	2.0	D	3.0
2	101	A	6.0	C	4.0	D	2.0
3	300	C	10.0	A	2.0	B	8.0

Make Transaction

Fetch and Display Table

Logout

Server is running...

Start Server

Stop Server

Exit

User A's Balance is 3.0 BTC.

Sending User A their Transactions.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Received Authentication Request from User C.

User C is Authenticated.

Received Make Transaction request from user C.

User C's Make Transaction Request Confirmed.

User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C

Sending transactions and balance for user C

Server Log

Login



Discord



clara

A

A

Login

Exit

Step 11

Server is running...

[Start Server](#)[Stop Server](#)[Exit](#)

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Received Make Transaction request from user C.
User C's Make Transaction Request Confirmed.
User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C
Sending transactions and balance for user C
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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User A is authenticated.

Balance: 5.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		
2	101	A	6.0	C	4.0	D	2.0
3	300	C	10.0	A	2.0	B	8.0

[Make Transaction](#)[Fetch and Display Table](#)[Logout](#)

Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Received Make Transaction request from user C.
User C's Make Transaction Request Confirmed.
User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C
Sending transactions and balance for user C
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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Balance: 5.0 BTC

How much BTC do you transfer?

Enter amount

Who will be Payee1?

Select One

How much BTC do you transfer to Payee1?

Enter amount for Payee1

Submit Transaction

Cancel Transaction

Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Received Make Transaction request from user C.
User C's Make Transaction Request Confirmed.
User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C
Sending transactions and balance for user C
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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Balance: 5.0 BTC

How much BTC do you transfer?

8

Who will be Payee1?

B

How much BTC do you transfer to Payee1?

3

Submit Transaction

Cancel Transaction

Server is running...

[Start Server](#)[Stop Server](#)[Exit](#)

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Received Make Transaction request from user C.
User C's Make Transaction Request Confirmed.
User C's Balance is 6.0 BTC.
Sending User C their Transactions.
Received Fetch & Display Request from user C
Sending transactions and balance for user C
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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Balance: 5.0 BTC

How much BTC do you transfer?

8

Who will be Payee1?

B

How much BTC do you transfer to Payee1?

3

Who will be Payee2?

Select One

[Submit Transaction](#)[Cancel Transaction](#)

Server is running...

Start Server

Stop Server

Exit

Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User C.
User C is Authenticated.

Received Make Transaction request from user C.
User C's Make Transaction Request Confirmed.
User C's Balance is 6.0 BTC.
Sending User C their Transactions.
Received Fetch & Display Request from user C
Sending transactions and balance for user C
Received Authentication Request from User A.
User A is Authenticated.

Server Log



Discord



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Balance: 5.0 BTC

How much BTC do you transfer?

8

Who will be Payee1?

B

How much BTC do you transfer to Payee1?

3

Who will be Payee2?

D

Submit Transaction

Cancel Transaction

Server is running...

Start Server

Stop Server

Exit

User C is Authenticated.

Received Make Transaction request from user C.

User C's Make Transaction Request Confirmed.

User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C

Sending transactions and balance for user C

Received Authentication Request from User A.

User A is Authenticated.

Received Make Transaction request from user A.

User A's Make Transaction Request Rejected.

User A's Balance is 5.0 BTC.

Server Log

User A's transaction has been rejected.

User A's Balance: 5.0 BTC.

Main Page

Server is running...

Start Server

Stop Server

Exit

User C is Authenticated.

Received Make Transaction request from user C.

User C's Make Transaction Request Confirmed.

User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C

Sending transactions and balance for user C

Received Authentication Request from User A.

User A is Authenticated.

Received Make Transaction request from user A.

User A's Make Transaction Request Rejected.

User A's Balance is 5.0 BTC.

Server Log



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User A is authenticated.

Balance: 5.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		
2	101	A	6.0	C	4.0	D	2.0
3	300	C	10.0	A	2.0	B	8.0

Make Transaction

Fetch and Display Table

Logout

Server is running...

Start Server

Stop Server

Exit

User C's Make Transaction Request Confirmed.

User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C

Sending transactions and balance for user C

Received Authentication Request from User A.

User A is Authenticated.

Received Make Transaction request from user A.

User A's Make Transaction Request Rejected.

User A's Balance is 5.0 BTC.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Server Log



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User A is authenticated.

Balance: 5.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		
2	101	A	6.0	C	4.0	D	2.0
3	300	C	10.0	A	2.0	B	8.0
4	102	A	8.0	B	3.0	D	5.0

Make Transaction

Fetch and Display Table

Logout



Simplified Bitcoin

— □ ×



Simplified Bitcoin

— □ ×

Server is running...

[Start Server](#)[Stop Server](#)[Exit](#)

User C's Make Transaction Request Confirmed.

User C's Balance is 6.0 BTC.

Sending User C their Transactions.

Received Fetch & Display Request from user C

Sending transactions and balance for user C

Received Authentication Request from User A.

User A is Authenticated.

Received Make Transaction request from user A.

User A's Make Transaction Request Rejected.

User A's Balance is 5.0 BTC.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Server Log

Login



Discord



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B

B

[Login](#)[Exit](#)

Step 13

Server is running...

Start Server

Stop Server

Exit

Sending User C their Transactions.

Received Fetch & Display Request from user C

Sending transactions and balance for user C

Received Authentication Request from User A.

User A is Authenicated.

Received Make Transaction request from user A.

User A's Make Transaction Request Rejected.

User A's Balance is 5.0 BTC.

Received Fetch & Display Request from user A

Sending transactions and balance for user A

Received Authentication Request from User B.

User B is Authenicated.

Server Log



Discord



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User B is authenticated.

Balance: 14.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		
2	200	B	5.0	C	2.0	D	3.0
3	300	C	10.0	A	2.0	B	8.0

Make Transaction

Fetch and Display Table

Logout

Server is running...

Start Server

Stop Server

Exit

Sending transactions and balance for user C
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Rejected.
User A's Balance is 5.0 BTC.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.
Received Fetch & Display Request from user B
Sending transactions and balance for user B

Server Log



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User B is authenticated.

Balance: 14.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	100	A	1.0	B	1.0		
2	200	B	5.0	C	2.0	D	3.0
3	300	C	10.0	A	2.0	B	8.0

Make Transaction

Fetch and Display Table

Logout

Simplified Bitcoin

Server is running...

Start Server

Stop Server

Exit

Sending transactions and balance for user C
Received Authentication Request from User A.
User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Rejected.
User A's Balance is 5.0 BTC.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.
Received Fetch & Display Request from user B
Sending transactions and balance for user B

Server Log

Simplified Bitcoin

Login

D

D

Login

Exit



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Step 14

Server is running...

Start Server

Stop Server

Exit

User A is Authenticated.
Received Make Transaction request from user A.
User A's Make Transaction Request Rejected.
User A's Balance is 5.0 BTC.
Received Fetch & Display Request from user A
Sending transactions and balance for user A
Received Authentication Request from User B.
User B is Authenticated.
Received Fetch & Display Request from user B
Sending transactions and balance for user B
Received Authentication Request from User D.
User D is Authenticated.

Server Log



Discord



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User D is authenticated.

Balance: 15.0 BTC

	TX ID	Payer	Amount Transferred by Payer	Payee1	Amount Received by Payee1	Payee2	Amount Received by Payee2
1	200	B	5.0	C	2.0	D	3.0
2	101	A	6.0	C	4.0	D	2.0

Make Transaction

Fetch and Display Table

Logout