

Ethereum Smart Contract Audit

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Problem



Figure 1: Momo's game on Tet's holiday

Use case diagram

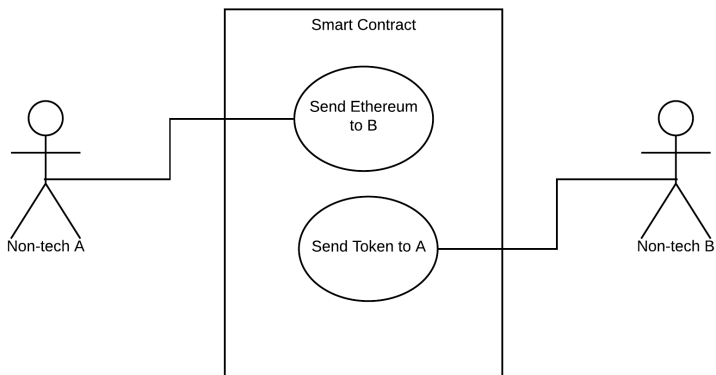


Figure 2: Exchange Ether and Token through Smart Contract

Objective

How can a **non-tech person** be able to **execute transactions on Ethereum** and still be able to **understand and ensure the logic of the flow** is properly enforced on Smart Contract.

Propose solution

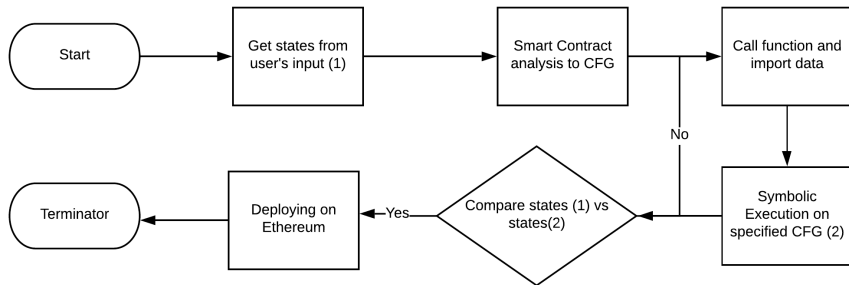


Figure 3: Program flowchart

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Demo

DEMO

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Conclusion

Guarantee that a **non-tech person** can also **execute transactions through Smart Contract** and can **change the transaction** when there is a **problem before deploying it on Ethereum**.

Future work

There are somethings to do to complete the program:

- Use API to get real-time balance of an address.
- Get Smart Contract from Ethereum to do symbolic execution on CFG.
- Deploying directly on Ethereum after all requirements gained.

Q&A

THANK YOU FOR LISTENING!
ANY QUESTIONS?