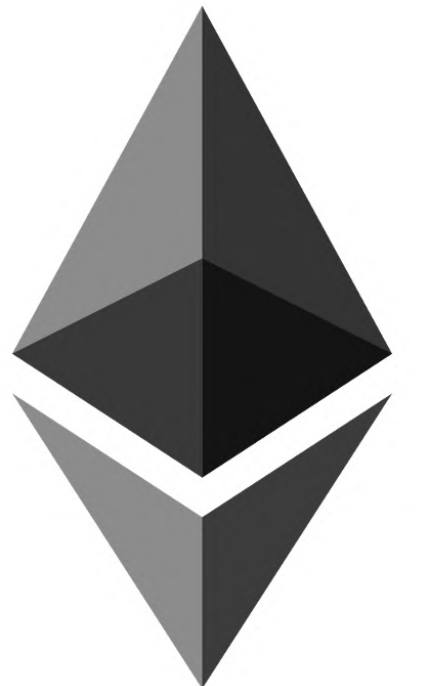


FITCOIN

ERC20



TEAM: ANTHONY MURA, KEVIN CHEN, CRAIG BRAGANZA AND DOROTHY DOUTRE

EXECUTIVE SUMMARY

ERC20 Token built for fast and cheap transactions for Gym memberships, maximising profit and customer satisfaction.

Built using Solidity for contract logic and Streamlit for the frontend.

LIBRARIERS AND RESOURCES

Applications



WEB3 PROGRAMMING LANGUAGE



FRONTEND APPLICATION BUILDER



WEB3 LIBRARY



PYTHON LIBRARY



CRYPTO-SERVICES

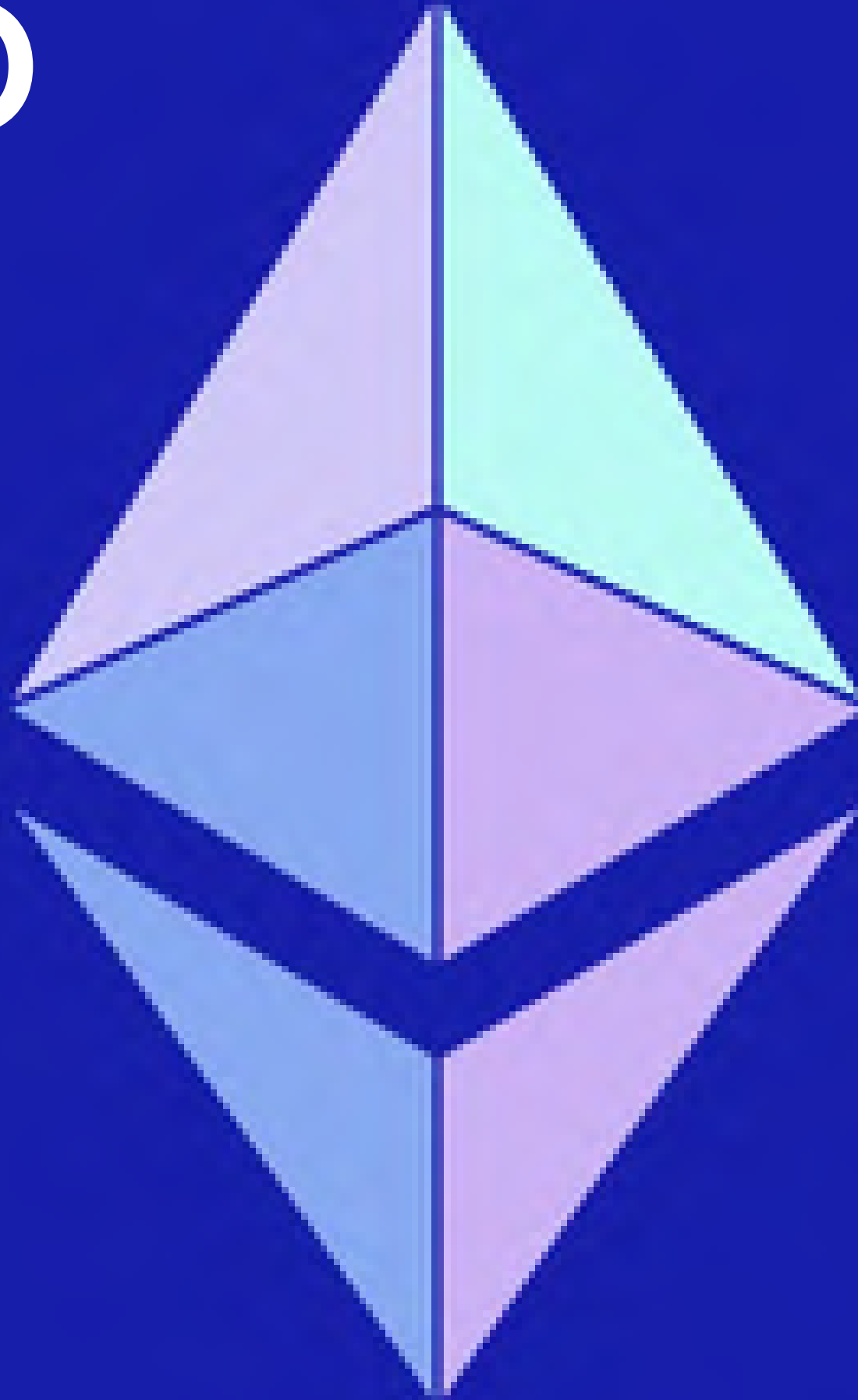
Problems We Faced

1. Utilizing new libraries broke the front end for other developers so we had to make sure communication was consistent so the team had all dependencies
2. Coding the functions using the ERC20 openzeppelin library wouldn't always work the way we thought so extensive research and testing was required
3. Pulling and pushing files to Github in a busy team created file conflicts
4. Implementing another form of coding (CSS) to make functions such as the contact form more visually appealing.

Results and Conclusions

1. Created and deployed a smart contract with functions to generate \$FIT coin
2. Used tools and applications like Remix IDE, Ganache and injected Web3 with MetaMask to test
3. Utilised Streamlit as a front end to buy the \$FIT coin
4. Streamlit has the functionality to buy and sell \$FIT coin, navigate the homepage, view the GymPay research and a functioning contact form

LIVE DEMO TIME!



WE MADE IT!

Next Steps

1. Adding more functionality such as a payment system i.e. PayPal
2. Figure out solution for gym digital wallet/card interoperability
3. Finesse front end
4. Raise money for project development/Find partners