Assignment 3

You can work in a team of 4 to 6 people.

Task 0 - Assemble a Team
Fill out this document: https://docs.google.com/spreadsheets/d/1AGZWpTNDpR4bW1-584091rosLPzs3TVAZT1iJXvC3us/edit?gid=0#gid=0
Team number and name: _____

Task 1 - Document Signing (group)

1. Develop a smart contract "document signing"
2. Add 2 or more addresses to the "whitelist"
3. Addresses from the whitelist can sign the document (sign the function)

EXTRA: Use Merkle Tree to optimize the "whitelist"

Answer (insert code from Remix): _____
Link to the transaction where the document is signed: _____

Task 2 - Token and Airdrop (group)

1. Create a standard ERC20 token
2. Create a smart contract for airdrop (send tokens to multiple addresses)
3. Airdrop your tokens to at least 2 addresses

EXTRA: Use Merkle Tree to optimize airdrop (you can airdrop via claim)

Answer (insert code from Remix): _____
Link to the transaction where you sent tokens: _____

Task 4 – Rock-Paper-Scissors (frontend) (group)

1. Build a frontend for the Rock-Paper-Scissors game
2. Users can select one piece and call the play() function in the smart contract
3. The user can see the history of games
4. Upload the work to github
5. Host your frontend (for example: fleek.co , reder.com , vercel)

EXTRA: Add support for multiple addresses
EXTRA: Try to make the UI more pleasant

The address of the Rock-Paper-Scissors contract is: _____
link to the demo: _____
link to github: _____