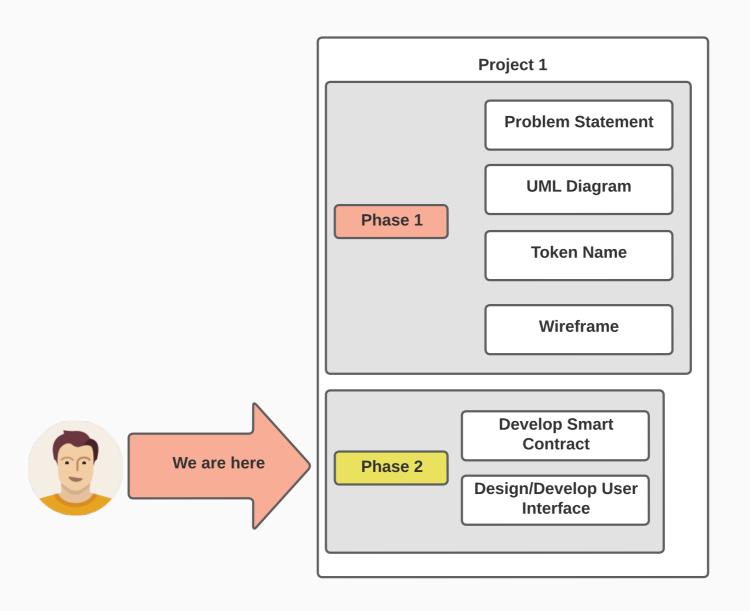
Today's Discussion

Topics covered today

- Unit testing
- Connecting JavaScript to web3
- Work process flows through GitHub
- Tokens Introduction

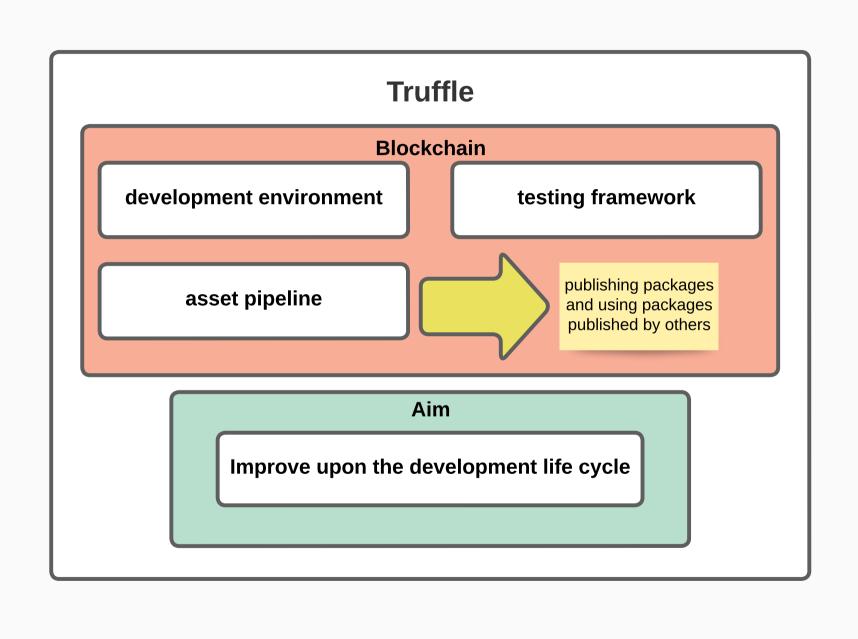
Why?

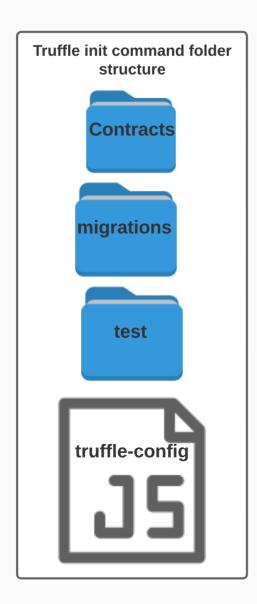
- Ensures that smart contracts don't have bugs
- Ensuring that your smart contracts can be used by JavaScript to add data to the blockchain.
- Faster and more robust development

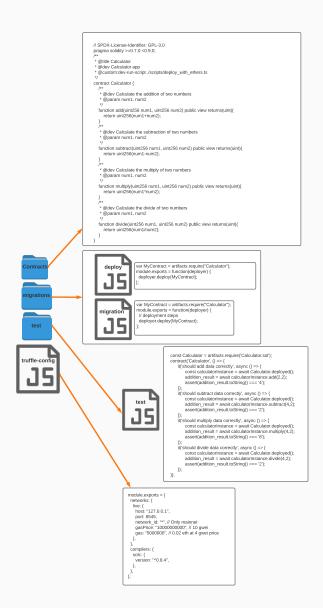










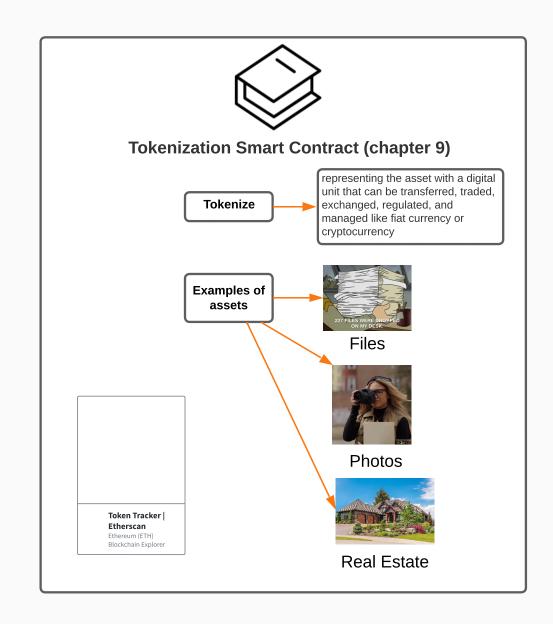




Demo Time

- 1. truffle init
- 2. truffle compile
- 3. truffle test
- 4. truffle deploy







Tokens

Tokens need to comply with standards to facilitate seamless interaction among different token applications



Why Tokens

Standard management of asset behavior with smart contract features Streamlined recording and sharing of information about assets via blockchain distributed ledger technology (DLT)

Traceability of goods and services, such as in supply chains

Faster confirmation of business transactions such as the sale of real estate (a few hours instead of a few months)

The ongoing digital transformation in many businesses

Commoditization and monetization of assets

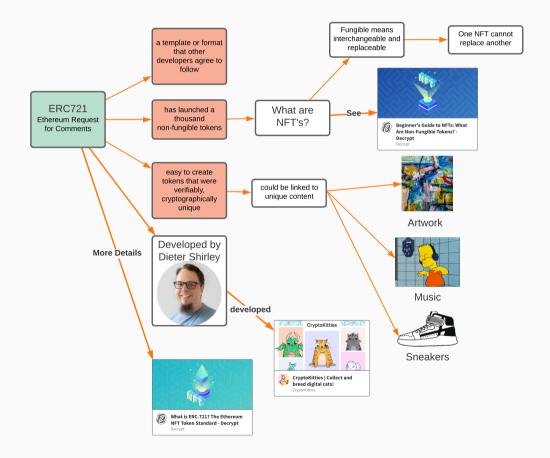
Development of new instruments for online trading of assets

Development of innovative application models

Sign in: https://forms.gle/nG3XMy5MNZyf6FQh9









```
Smart Contract: token.sol

//SPDX-License-Identifier: UNLICENSED

// SPDX-License-Identifier: MIT

pragma solidity 0.8.0;

import "https://github.com/0xcert/ethereum-erc721/src/contracts/tokens/nf-token-metadata.sol";
import "https://github.com/0xcert/ethereum-erc721/src/contracts/ownership/ownable.sol";

contract newNFT is NFTokenMetadata, Ownable {

   constructor() {
     nftName = "Synth NFT";
     nftSymbol = "SYN";
   }

   function mint(address _to, uint256 _tokenId, string calldata _uri) external onlyOwner {
     super._mint(_to, _tokenId);
     super._setTokenUri(_tokenId, _uri);
   }
}
```