

Share-Market-Smart-Contract-Docs

Share-Market-Smart-Contract

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- The words share and stock have been used interchangeably throughout this project

Working

Main Working :

- users (all members of the network) can purchase stocks from the stock market
- users can post stocks for sale which other users can buy and/or buy directly from the company.
- Each seller can set their own Cost for the transaction
- the currency for the system is `StockToken` (STT)

Governance

- the initial governor is the contract owner
- can add other governors to the list of governors
- governors control :
 1. Company Approval
 2. Add Other Governors to the list of governors

Company

A company can be created by any user

process :

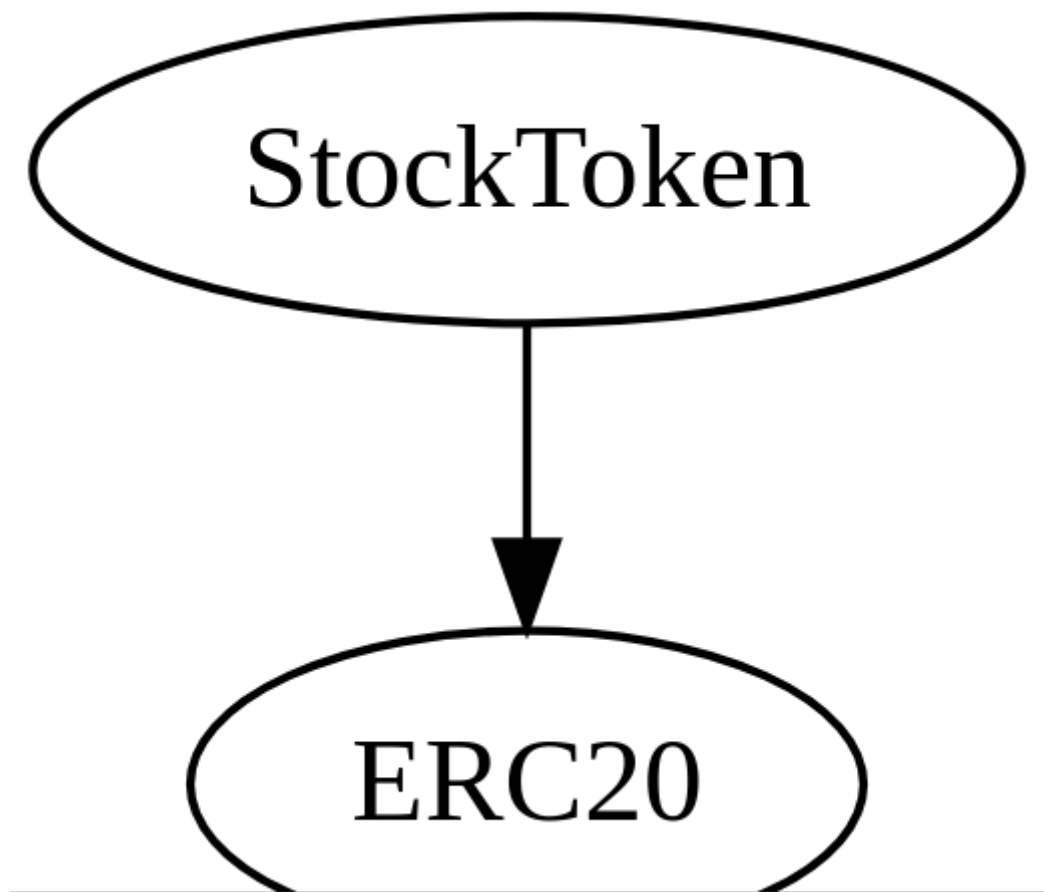
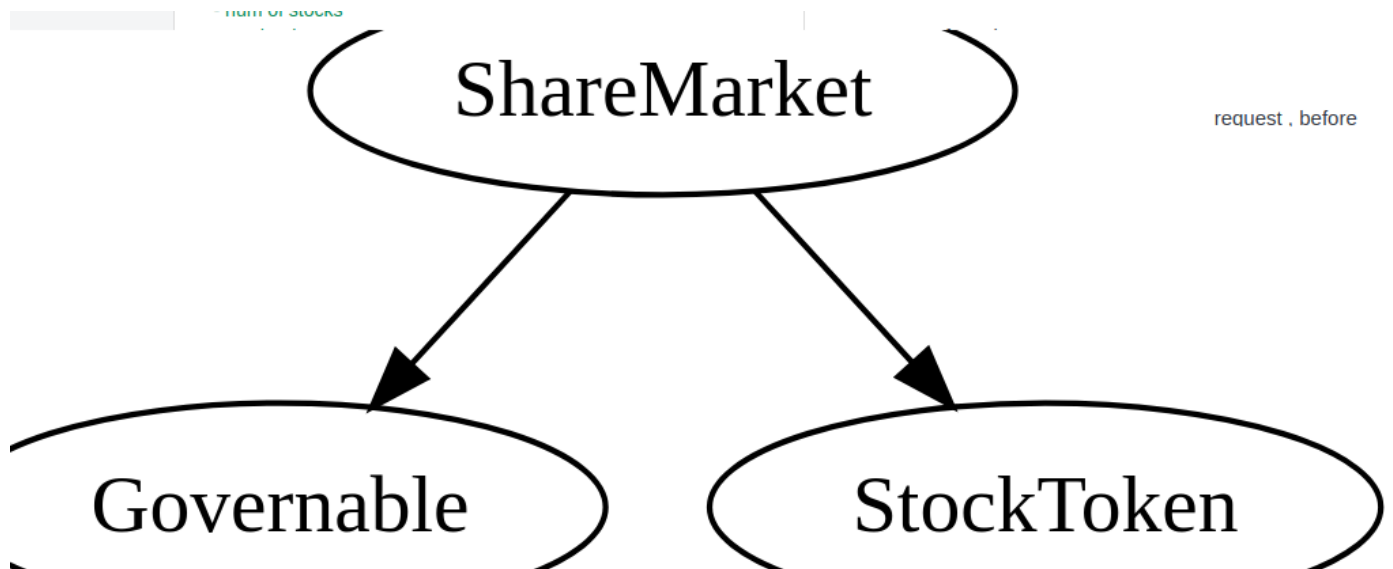
1.
 - user request a company creation in which they are required to enter
 - Name
 - num of stocks
 - stock price
2. a governor then approves the company request , before that the company is not eligible to sell its stocks

Stock Token

- Simple ERC20 Token with top up facility
- initial supply is provided to the contract address

Diagrams

Inheritance



interaction

