

“James” Bonds – ADSB Challenge Projekt

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- Idee
- Funktion
- Architektur
- Implementation
- Design Decisions
- Demo

Agenda



Einzigartige Tokens, pendent zu
KryptoKitties



Speicherung auf IPFS
(InterPlanetary File System)



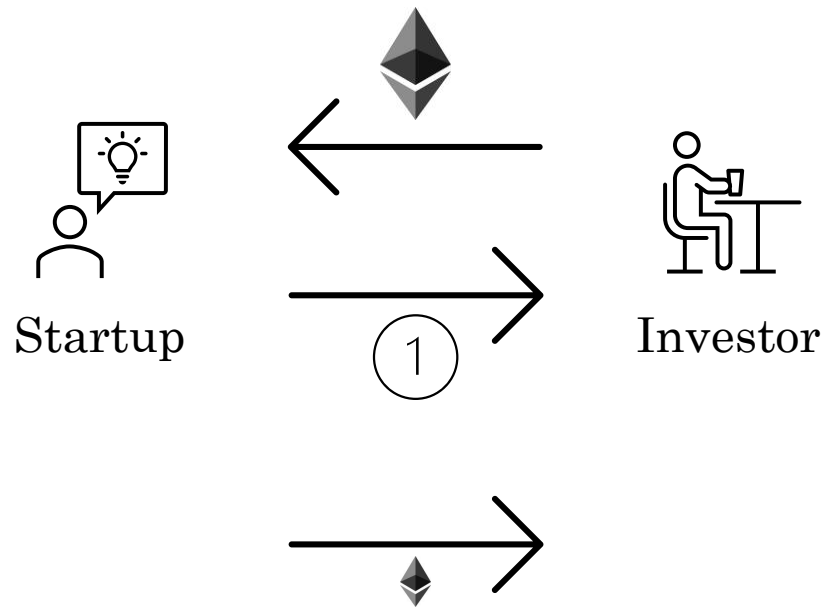
Token mit Wertänderung
(exponentiell/additiv)



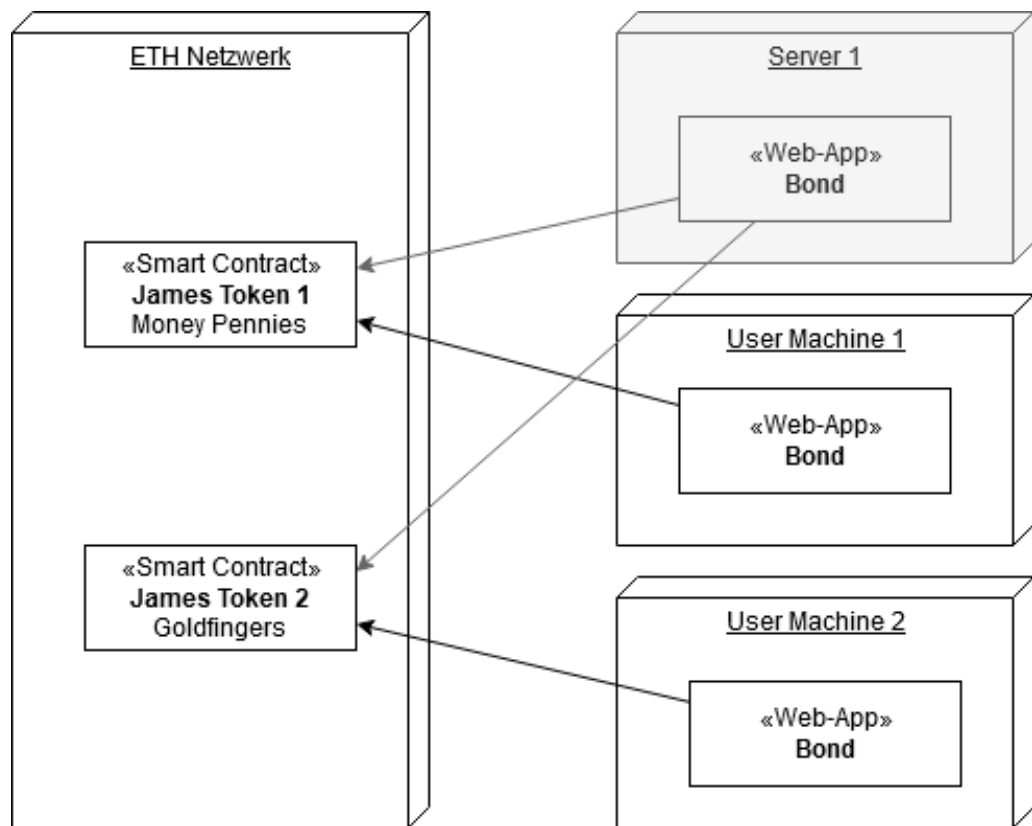
Ethereum Tokens
als Aktien (bonds) “James” Bonds

Ideen

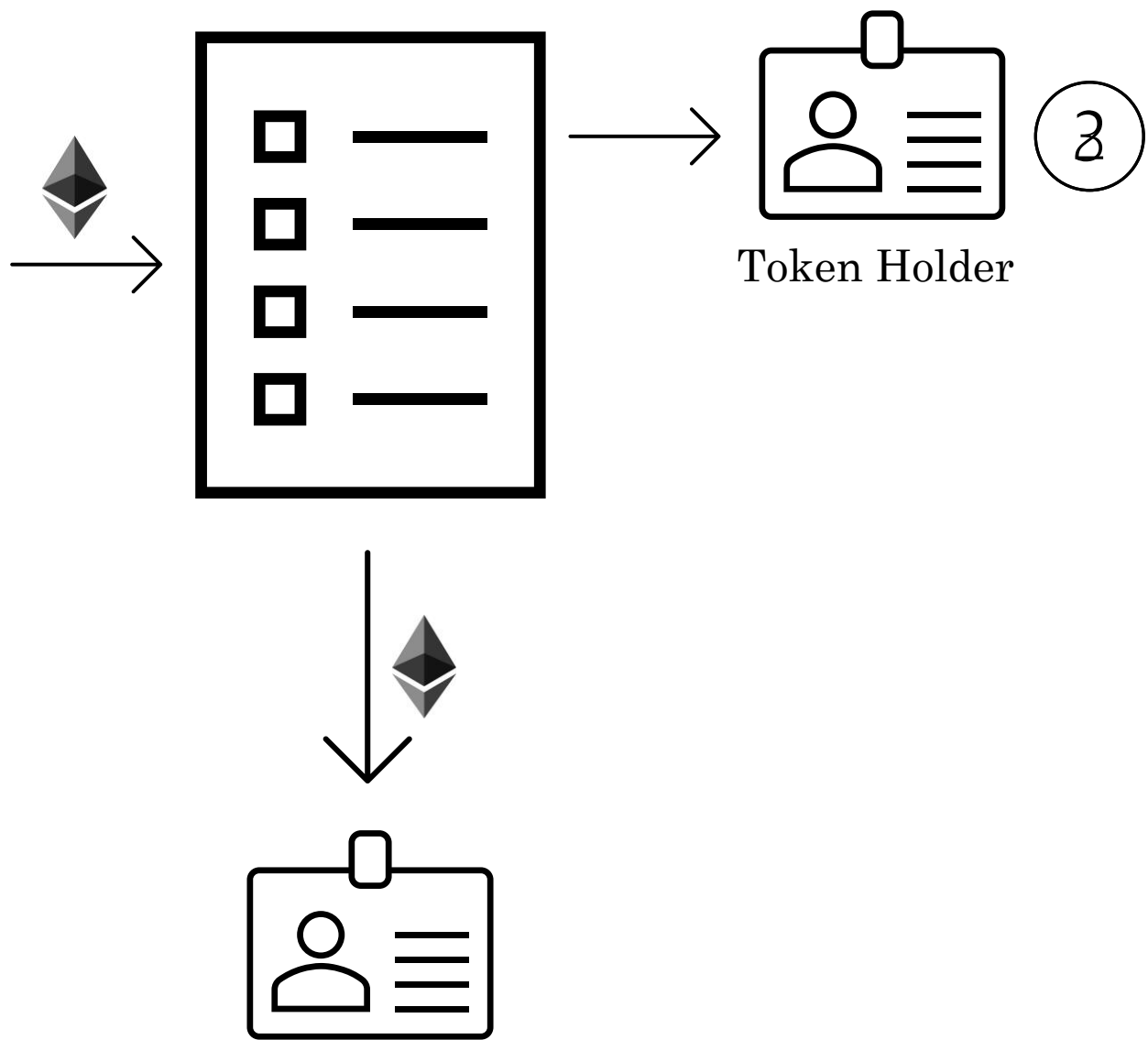
- Tokens Kaufen
- Dividenden auszahlen
- Dividenden abholen



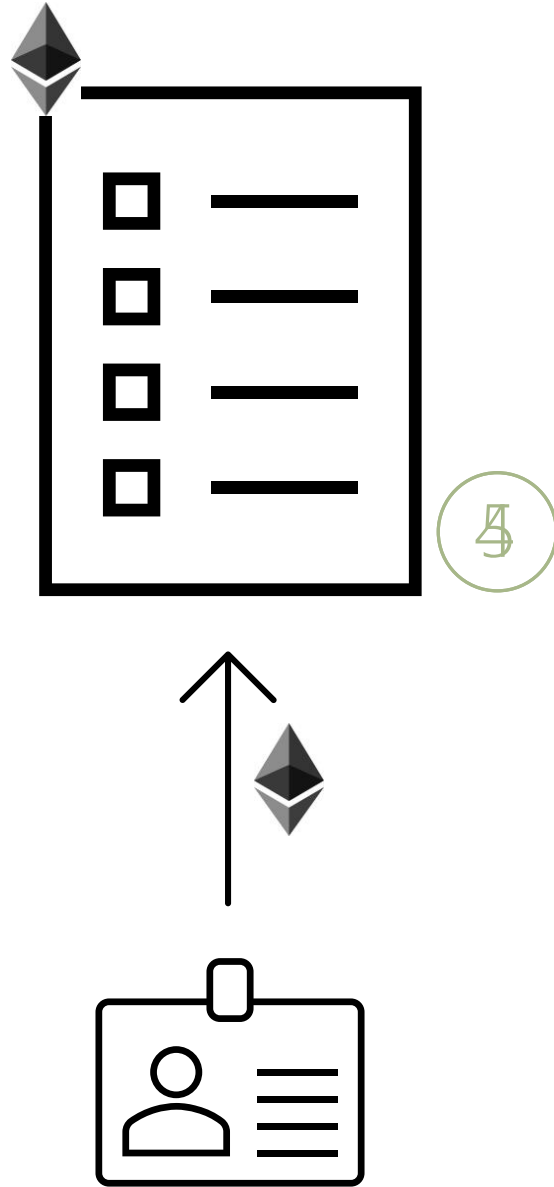
Funktion



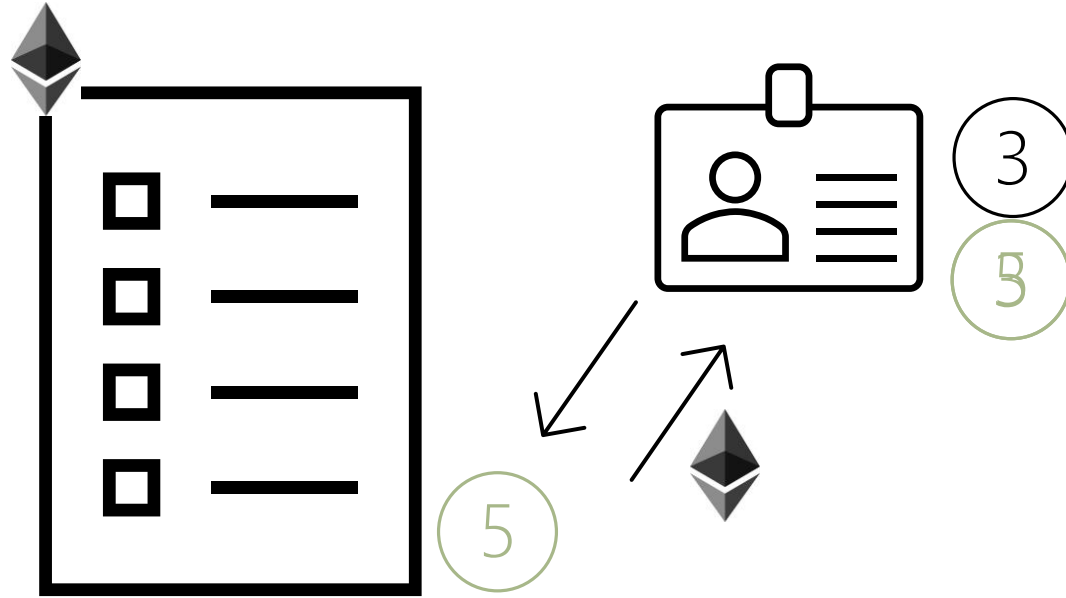
Architektur



Implementation
Tokens kaufen

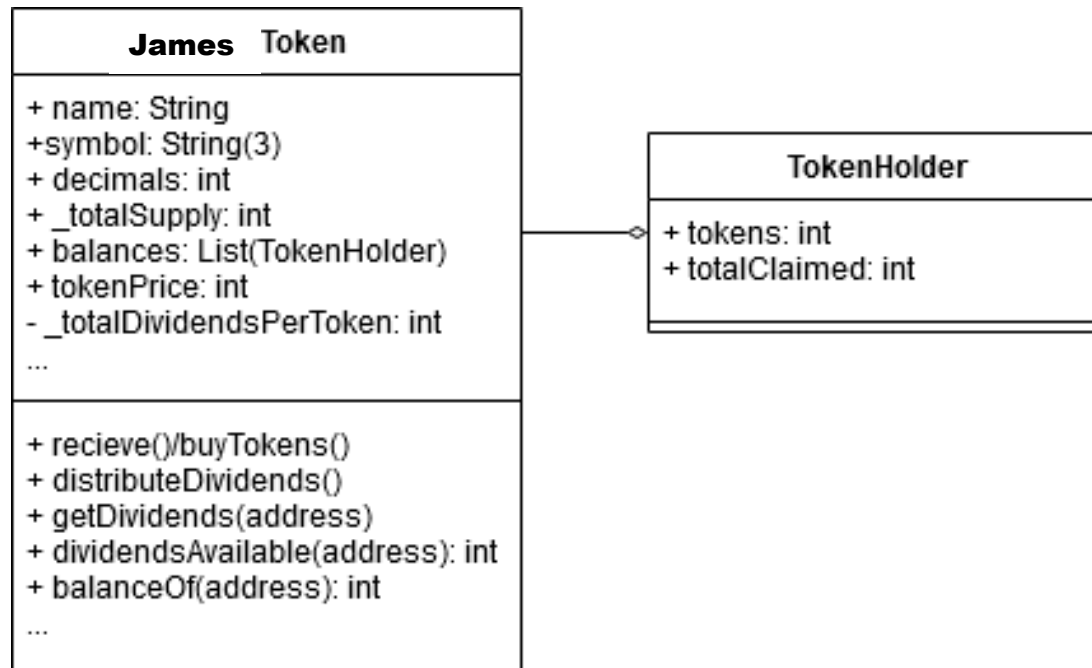


Implementation
Dividenden einzahlen



Implementation
Dividenden Abholen

- Solidity 0.7.3
- Implementiert ERC-20
- Hat Dividenden funktionalität
 - Dividenden verteilen
 - Dividenden abholen
- Nach [Modum Token](#)



Contract

- Ethereum
 - Gute Entwicklertools (Remix IDE)
 - Gute Community Beispiele
- Web3
 - Erfüllt seinen Zweck
- Docker
 - Easy deployment in cloud
 - «But it runs on my machine»
- Vue.js
 - Google Material Design verfügbar
 - Erfüllt seinen Zweck

Design Descisions

BondCONNECT

Contract

0x88C4597a1948C8b42ffedC97b21894225Ccb639c

LOAD

Information

Name	Claritysoft Inc.
Symbol	CLA
Total shares	88000
Available shares	38463
Price per share	1250 Wei

My balance

My role	Stakeholder and contract owner
Shares	10392
Capital	12'990'000 Wei
Available dividends	0 Wei

Buy shares

Number of shares

Equivalent in ETH

BUY

Retrieve dividends

You can retrieve 1000 Wei as dividends.

RETRIEVE

Demo

<http://localhost:8001/>