



invozone



ETHEREUM PET SHOP

PRACTICE TASK 2

January 17, 2022

TRUFFLE PET SHOP

For this exercise, we will be developing a Pet Shop based on the following official Truffle tutorial on <https://www.trufflesuite.com/tutorial>. Before moving on to the actual implementation it is highly suggested to go through this explanation of the blockchain and it's working. <https://www.trufflesuite.com/guides/ethereum-overview>

What is Truffle?

Truffle is a development environment, testing framework, and asset pipeline for blockchains using the Ethereum Virtual Machine (EVM). It can help you create a Truffle project using a Truffle Box in this project. Follow more at the documents [here](#).

Solidity Data Types and Contract Structure:

Before starting you might want to read the Solidity data types and contract structures. Please find them below.

Solidity Data Types: <https://docs.soliditylang.org/en/v0.5.3/types.html>

Smart Contract Structure:

<https://docs.soliditylang.org/en/v0.8.7/structure-of-a-contract.html>

MetaMask Wallet:

Metamask is a wallet we use to connect to Ethereum. It has further options to connect your device with Mainnet Ethereum or Test Networks. For the purpose of this tutorial, we will be using the Rinkeby Network.

For installing and getting started with MetaMask please follow the steps on https://www.youtube.com/watch?v=VcOj7_yaVwc.

Other useful resources:

Solidity Docs: <https://docs.soliditylang.org/en/v0.8.7/>

Truffle Docs: <https://www.trufflesuite.com/docs/truffle/overview>

Fake Ethers for testing: <https://faucet.rinkeby.io>

Ganache: <https://www.trufflesuite.com/ganache> (Ganache is a kind of personal blockchain simulator, that runs within your device giving you the environment of a real blockchain)