Coffee Supply Chain Contract

# Summary

This smart contract is a supply chain solution that depicts the different stages that a product (coffee) goes through from being harvested right up until purchase.

Contained in this document are the Activity, Sequence, State and Class UML diagram of the process; the contract address it was and transaction ID of the contract deployment.

# Contract Deployment Details

Transaction Hash: 0x6275db30ea89ce72d955f48fcf12c39f2c0c995cf65f11b2b2b51fb7103753d7

Contract Address: 0xf5fF002Ed6420795DBe0ddaAfa3905C78d42b156

# UML

Table

Description automatically generated

Figure 1: Class Diagram

Diagram

Description automatically generated

Figure 2: Activity Diagram

Diagram

Description automatically generated

Figure 3: Sequence Diagram

Graphical user interface, application

Description automatically generated

Figure 4: State Diagram

# Libraries

@truffle/contract v 4.5.13 – Used this version because the methods are updated to cope with the latest version of the web3 browser module

@truffle/hdwallet-provider v 2.0.8

Truffle v5.5.12

Ganache v 7.1.0

Node v 16.4.2

Solidity v ^0.8.0 (for contracts)

Web3.js v 1.5.3