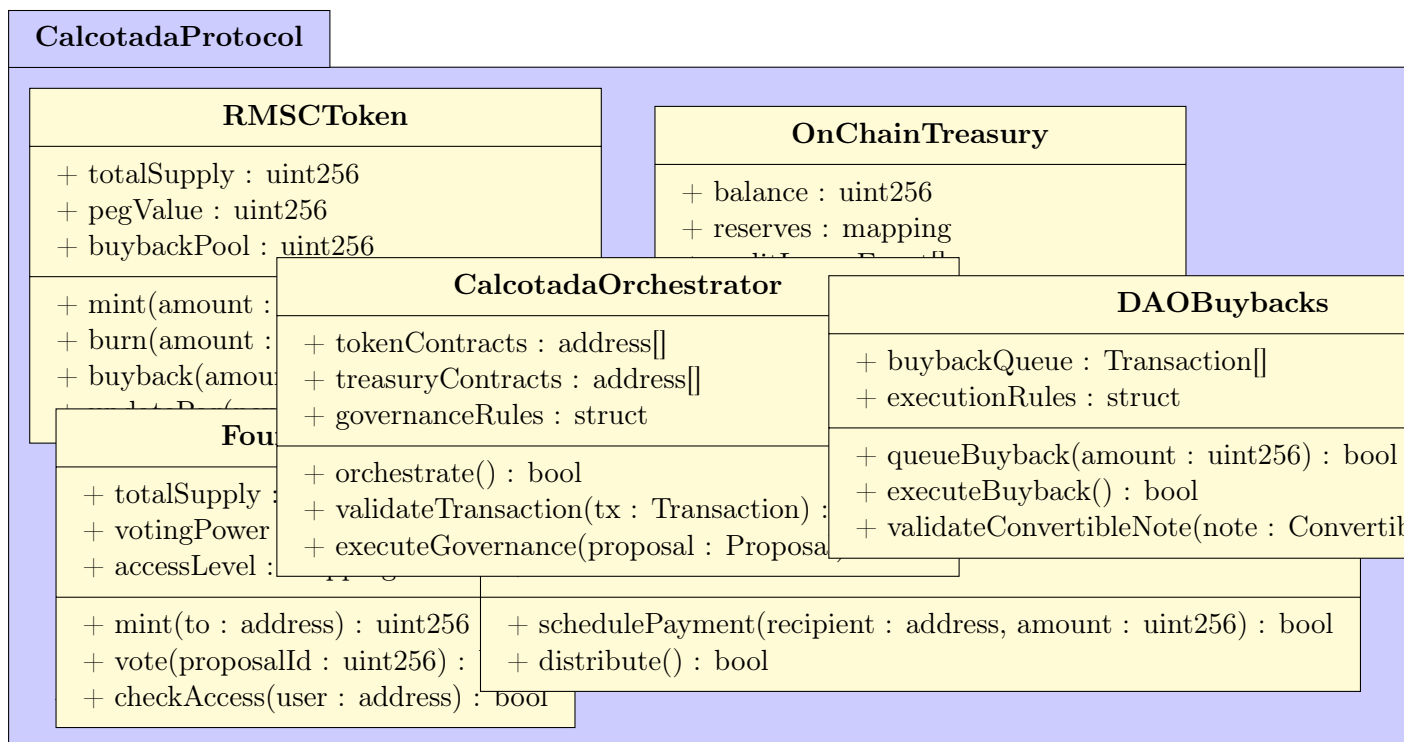


# Calçotada Protocol: UML Class Diagram

Smart Contract Architecture

July 16, 2025

## 1 Smart Contract Class Diagram



## 2 Contract Descriptions

### 2.1 RMSCToken

ERC20 token with equity peg mechanism and buyback functionality.

### 2.2 FounderNFT

ERC721 token providing governance rights and access control.

## **2.3   CalcotadaOrchestrator**

Main protocol controller managing token minting, treasury operations, and governance execution.

## **2.4   OnChainTreasury**

Secure storage and management of protocol funds with audit capabilities.

## **2.5   PaydayTreasury**

Handles scheduled payments and profit distribution to token holders.

## **2.6   DAOBuybacks**

Manages buyback operations and convertible note redemption.