

Djwebdapp V0.5

Thomas Binetruy

2023-06-15

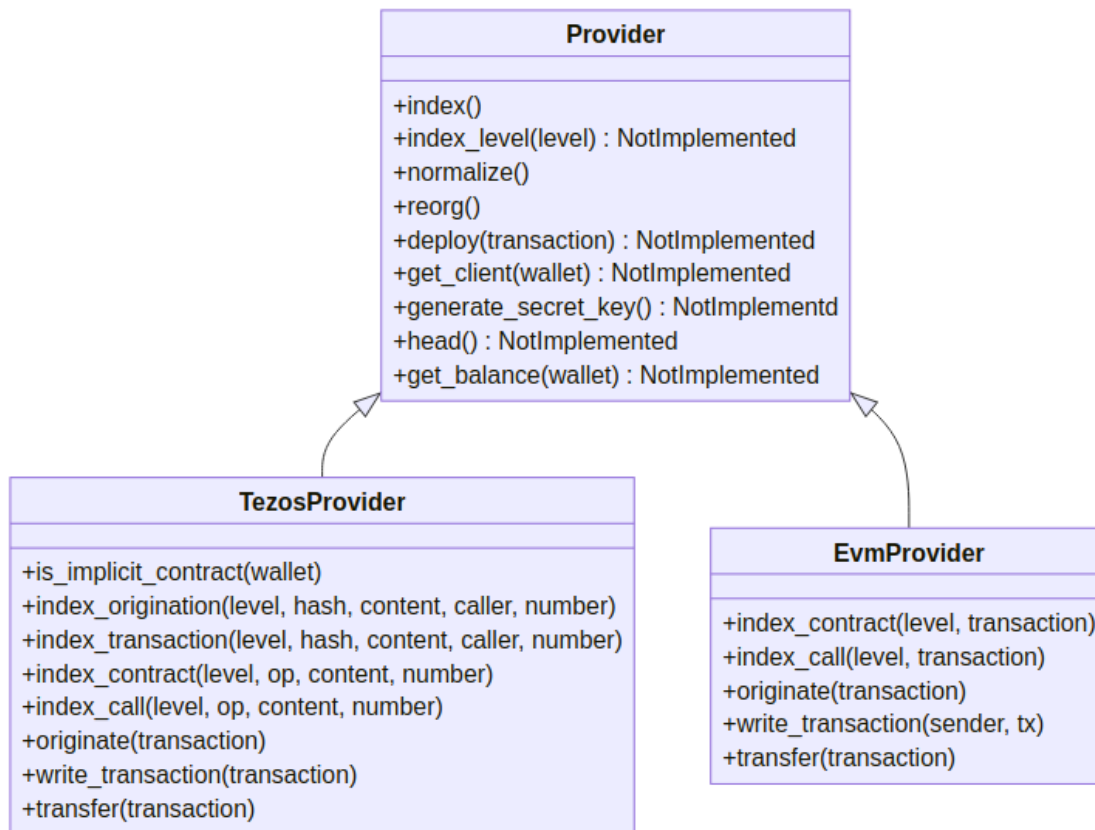
Contents

1	Introduction	1
2	Provider	1
3	Blockchain	2
4	Account	2
5	Transactions	3
6	Algorithms	3

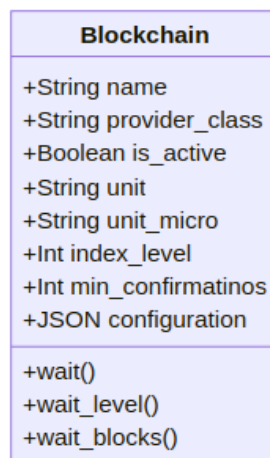
1 Introduction

My citation [1].

2 Provider



3 Blockchain

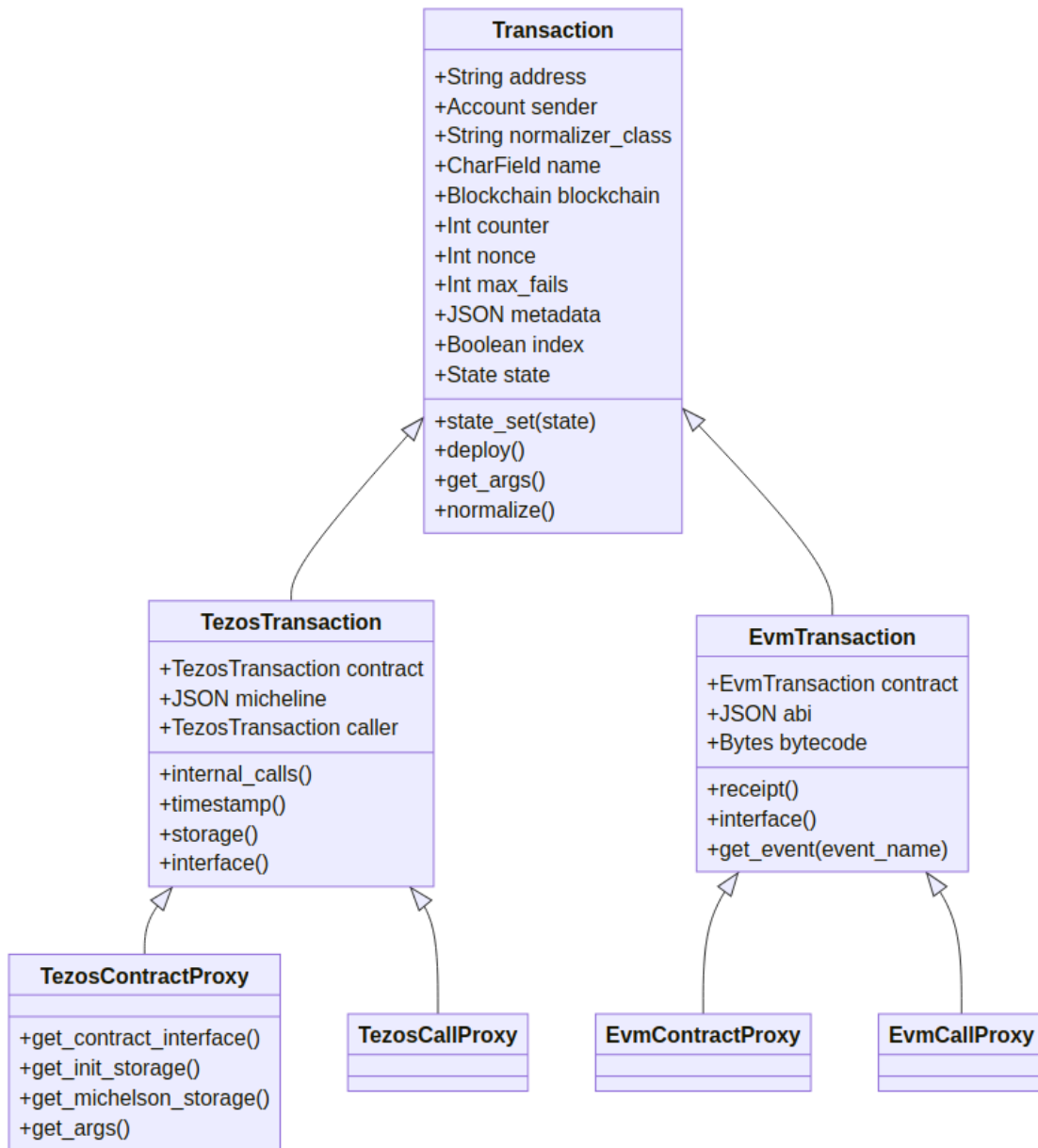


Node
+Blockchain blockchain +String name +String endpoint +Boolean is_active +Int priority

4 Account

Account
+String name +String address +Int balance +User account +EncryptedString secret_key +Blockchain blockchain
+provider() +refresh_balance() +set_secret_key() +get_secret_key()

5 Transactions



6 Algorithms

References

- [1] ORG, M., SYNTAX, C., LIST, M., AND EFFORT, T. Elegant citations with org-mode. *Journal of Plain Text Formats* 4/2, 1 (7 2021), 2–3.

Algorithm 1 An algorithm with caption

Require: $n \geq 0$ **Ensure:** $y = x^n$ $y \leftarrow 1$ $X \leftarrow x$ $N \leftarrow n$ **while** $N \neq 0$ **do** **if** N is even **then** $X \leftarrow X \times X$ $N \leftarrow \frac{N}{2}$ **else if** N is odd **then** $y \leftarrow y \times X$ $N \leftarrow N - 1$ **end if****end while**

 \triangleright This is a comment

Algorithm 2 Quicksort

procedure QUICKSORT(A, p, r) **if** $p < r$ **then** $q = \text{PARTITION}(A, p, r)$ QUICKSORT($A, p, q - 1$) QUICKSORT($A, q + 1, r$) **end if****end procedure****procedure** PARTITION(A, p, r) $x \leftarrow A[r]$ $i \leftarrow p - 1$ **for** $j \leftarrow p$ to $r - 1$ **do** **if** $A[j] < x$ **then** $i \leftarrow i + 1$ exchange $A[i]$ with $A[j]$ **end if** exchange $A[i]$ with $A[r]$ **end for****end procedure**
