StackedStateFrames and UpdateableReferenceCache
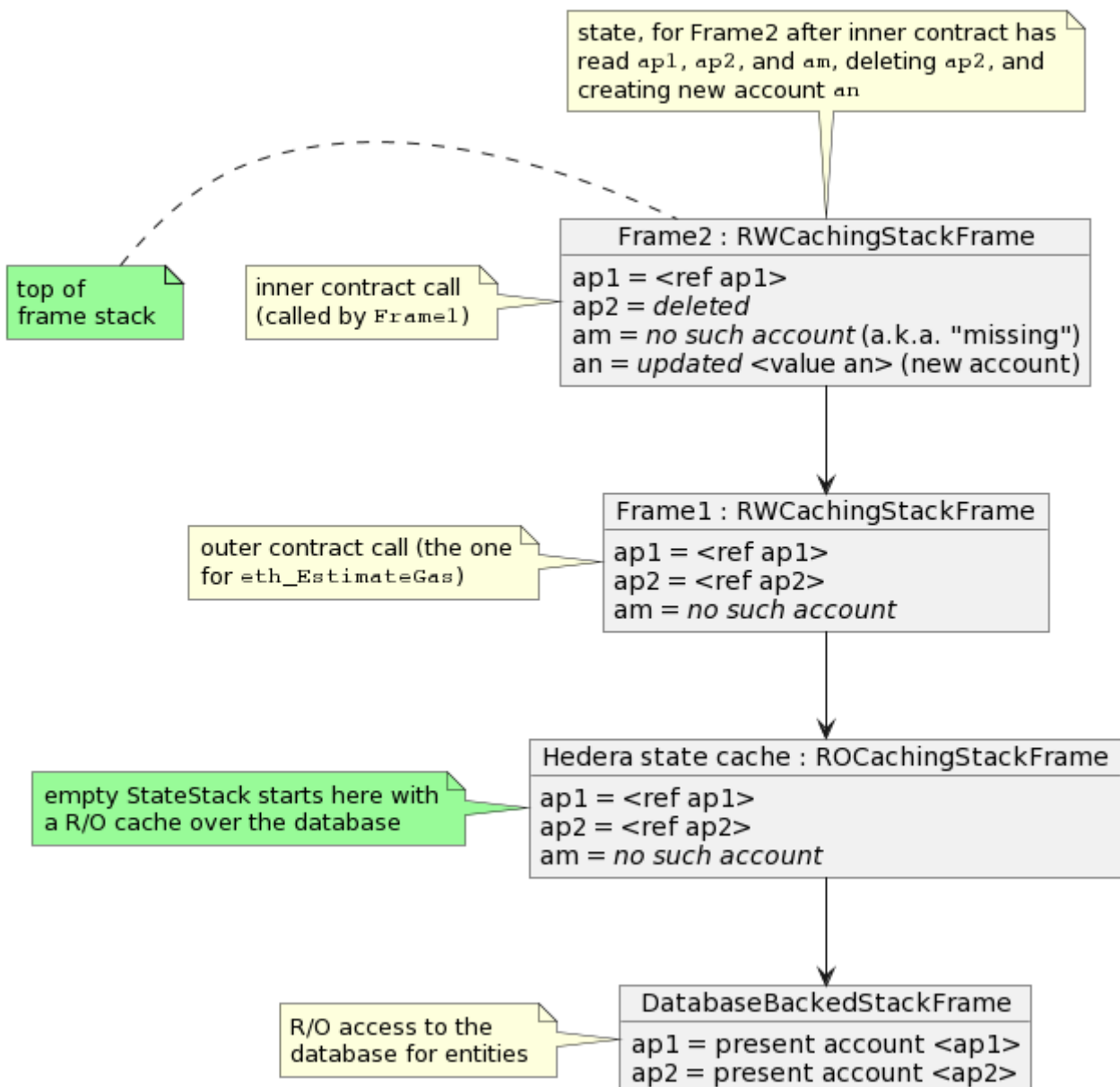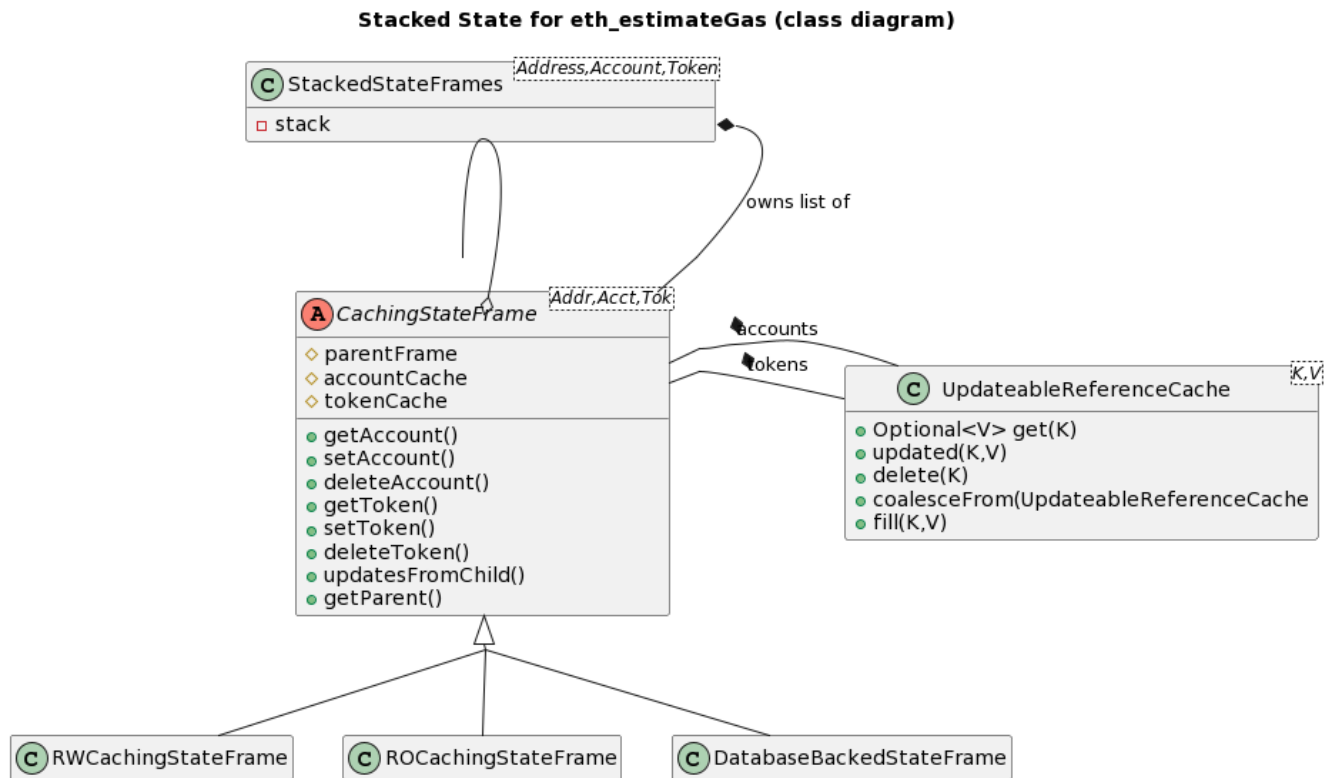
A few diagrams to help understand what's going on here with StackedStateFrames and UpdateableReferenceCache.

Object diagram

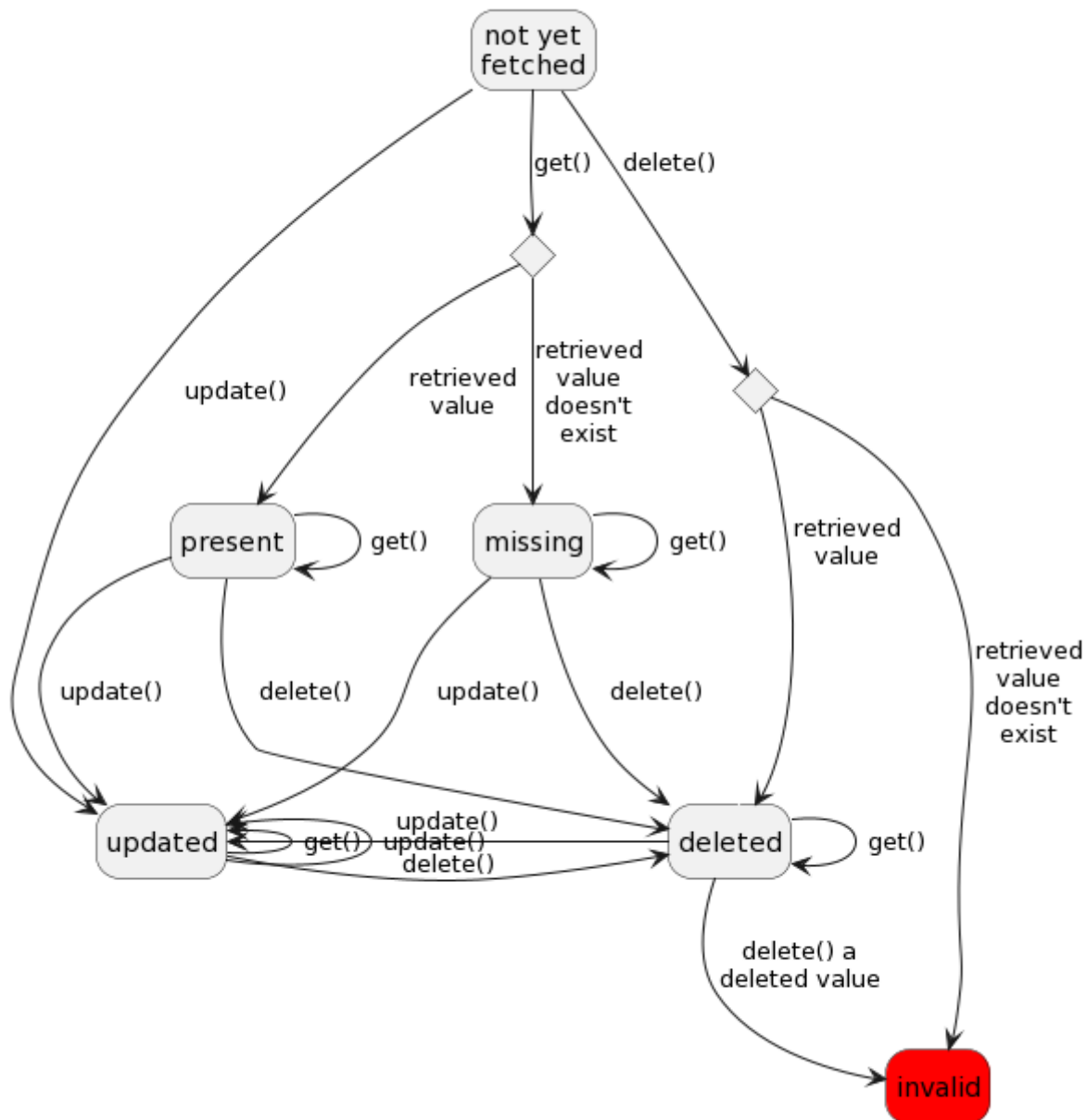Stacked State for a contract call making an inner contract call

Class diagram

Stacked State for eth_estimateGas (class diagram)

State diagram

UpdateableReferenceCache **State Diagram**

not yet
fetched

get() delete()

update()

retrieved
value

retrieved
value
doesn't
exist

retrieved
value

retrieved
value
doesn't
exist

present get()   missing get()

update()   delete()   update()   delete()

update()
updated get() update()   deleted get()
delete()

delete() a
deleted value

invalid

Given an account see which (of the 5) states it is in, start there.
"Not yet fetched" is the state iff none of the other states apply.

Decision diagram for
UpdateableReferenceCache

(method,state) ⭢ action

Method	State	Action
get	deleted	⭢deleted
	updated	⭢updated w/value
	missing	⭢missing
	present	⭢present w/value
	none of above ⇒ not yet fetched	fetch, retry state
update	deleted	update, ⭢updated w/value
	updated	update, ⭢updated w/value
	missing	update, ⭢updated w/value
	present	update, ⭢updated w/value
	none of above ⇒ not yet fetched	update, ⭢updated w/value
delete	deleted	⭢deleted
	updated	delete, ⭢deleted
	missing	⭢error
	present	delete, ⭢deleted
	none of above ⇒ not yet fetched	fetch, retry state