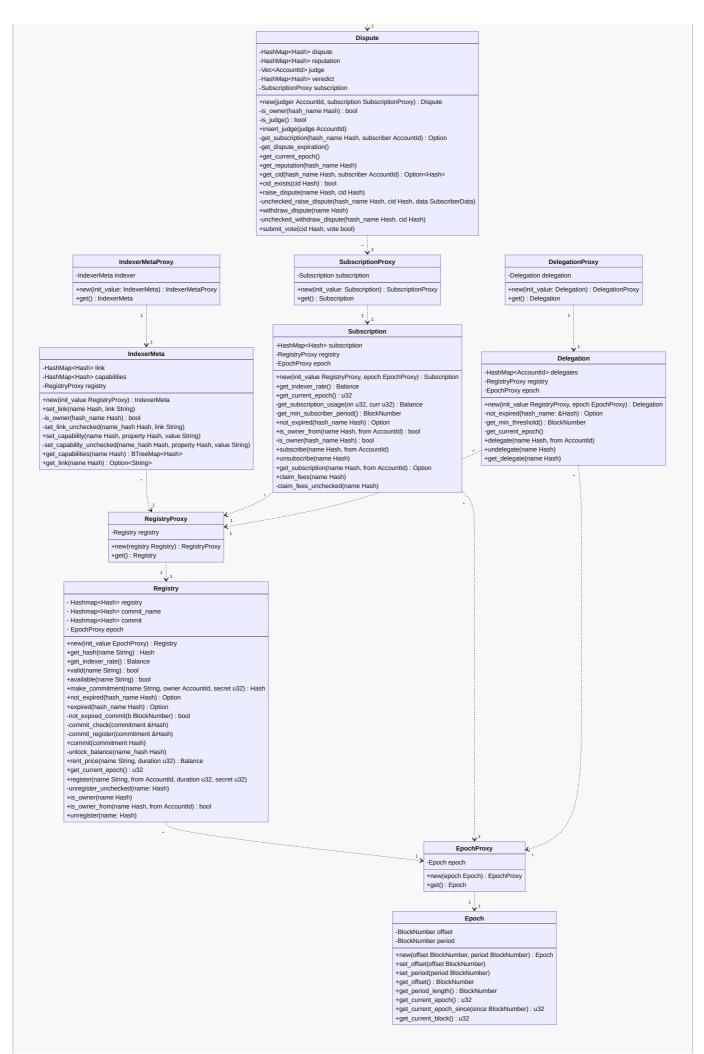# Contract diagram

Visualization of subsquid dao contracts as if it were a class:

DisputeProxy
-Dispute dispute
+new(init_value: Dispute) : DisputeProxy +get() : Dispute

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Dispute

-HashMap<Hash> dispute
-HashMap<Hash> reputation
-Vec<AccountId> judge
-HashMap<Hash> veredict
-SubscriptionProxy subscription

+new(judger AccountId, subscription SubscriptionProxy) : Dispute
-is_owner(hash_name Hash) : bool
-is_judge() : bool
+insert_judge(judge AccountId)
-get_subscription(hash_name Hash, subscriber AccountId) : Option
-get_dispute_expiration()
+get_current_epoch()
+get_reputation(hash_name Hash)
+get_cid(hash_name Hash, subscriber AccountId) : Option<Hash>
+cid_exists(cid Hash) : bool
+raise_dispute(name Hash, cid Hash)
-unchecked_raise_dispute(hash_name Hash, cid Hash, data SubscriberData)
+withdraw_dispute(name Hash)
-unchecked_withdraw_dispute(hash_name Hash, cid Hash)
+submit_vote(cid Hash, vote bool)

IndexerMetaProxy

-IndexerMeta indexer

+new(init_value: IndexerMeta) : IndexerMetaProxy
+get() : IndexerMeta

SubscriptionProxy

-Subscription subscription

+new(init_value: Subscription) : SubscriptionProxy
+get() : Subscription

DelegationProxy

-Delegation delegation

+new(init_value: Delegation) : DelegationProxy
+get() : Delegation

IndexerMeta

-HashMap<Hash> link
-HashMap<Hash> capabilities
-RegistryProxy registry

+new(init_value RegistryProxy) : IndexerMeta
+set_link(name Hash, link String)
-is_owner(hash_name Hash) : bool
-set_link_unchecked(name_hash Hash, link String)
+set_capability(name Hash, property Hash, value String)
-set_capability_unchecked(name_hash Hash, property Hash, value String)
+get_capabilities(name Hash) : BTreeMap<Hash>
+get_link(name Hash) : Option<String>

Subscription

-HashMap<Hash> subscription
-RegistryProxy registry
-EpochProxy epoch

+new(init_value RegistryProxy, epoch EpochProxy) : Subscription
+get_indexer_rate() : Balance
+get_current_epoch() : u32
-get_subscription_usage(on u32, curr u32) : Balance
-get_min_subscriber_period() : BlockNumber
+not_expired(hash_name Hash) : Option
+is_owner_from(name Hash, from AccountId) : bool
-is_owner(hash_name Hash) : bool
+subscribe(name Hash, from AccountId)
+unsubscribe(name Hash)
+get_subscription(name Hash, from AccountId) : Option
+claim_fees(name Hash)
-claim_fees_unchecked(name Hash)

Delegation

-HashMap<AccountId> delegates
-RegistryProxy registry
-EpochProxy epoch

+new(init_value RegistryProxy, epoch EpochProxy) : Delegation
-not_expired(hash_name: &Hash) : Option
-get_min_threshold() : BlockNumber
-get_current_epoch()
+delegate(name Hash, from AccountId)
+undelegate(name Hash)
+get_delegate(name Hash)

RegistryProxy

-Registry registry

+new(registry Registry) : RegistryProxy
+get() : Registry

Registry

- Hashmap<Hash> registry
- Hashmap<Hash> commit_name
- Hashmap<Hash> commit
- EpochProxy epoch

+new(init_value EpochProxy) : Registry
+get_hash(name String) : Hash
+get_indexer_rate() : Balance
+valid(name String) : bool
+available(name String) : bool
+make_commitment(name String, owner AccountId, secret u32) : Hash
+not_expired(hash_name Hash) : Option
+expired(hash_name Hash) : Option
-not_expired_commit(b BlockNumber) : bool
-commit_check(commitment &Hash)
-commit_register(commitment &Hash)
+commit(commitment Hash)
-unlock_balance(name_hash Hash)
+rent_price(name String, duration u32) : Balance
+get_current_epoch() : u32
+register(name String, from AccountId, duration u32, secret u32)
-unregister_unchecked(name: Hash)
+is_owner(name Hash)
+is_owner_from(name Hash, from AccountId) : bool
+unregister(name: Hash)

EpochProxy

-Epoch epoch

+new(epoch Epoch) : EpochProxy
+get() : Epoch

Epoch

-BlockNumber offset
-BlockNumber period

+new(offset BlockNumber, period BlockNumber) : Epoch
+set_offset(offset BlockNumber)
+set_period(period BlockNumber)
+get_offset() : BlockNumber
+get_period_length() : BlockNumber
+get_current_epoch() : u32
+get_current_epoch_since(since BlockNumber) : u32
+get_current_block() : u32