

## Siip Storage Structure Tests

### 1. **Test:** Storage Structure, Successful Transaction

#### **Procedure:**

- a. Run `~/siip/substrate-node> make run.`
- b. Run `~/siip/substrate-ui> yarn.`
- c. Open siip UI in browser.
- d. Select the interaction type "Extrinsic" in the Pallet Interactor
- e. Select the pallet siipModule in the Pallet Interactor.
- f. Select the operation register Certificate.
- g. Enter owner\_name: "Alice"
- h. Enter domain\_name: "abc.com"
- i. Enter ip\_addr: "10111"
- j. Enter public\_key\_info: "1234"
- k. Enter public\_key: "4321"

#### **Expected Result:**

-The pallet interactor will display "Current transaction status: Ready."

-After several seconds, a certificatesRegistered event will be added to the events section, containing the public key of the user who registered it.

-The user who initiated the transaction will have their balance decremented.

#### **Error Conditions:**

- a. Users has a zero balance.  
Pallet Interactor will display an insufficient balance error message.