

## Register Farmer Method:

Web market-place

Define Test

PARTICIPANTS

Farmer

VentinaryDoc

ASSETS

Cow

CowAuctionListing

TRANSACTIONS

All Transactions

Submit Transaction

Participant registry for org.trade

ID

Submit Transaction

Transaction Type: RegisterFarmer

JSON Data Preview

```
1 {
2   "$class": "org.trade.marketplace.RegisterFarmer",
3   "farmer": {
4     "$class": "org.trade.marketplace.Farmer",
5     "farmerId": "Farmer1",
6     "farmerName": "Test",
7     "farmerDOB": "12/09/2001",
8     "farmerAuthenticationId": "Aadhar",
9     "location": "Bangalore",
10    "balance": 1000,
11    "rating": "Not Rated Yet"
12  }
13 }
```

☐ Optional Properties

Just need quick test data? [Generate Random Data](#) Cancel Submit

## Register Cow:

Farmer register his cow in the network

Web market-place

Define Test

PARTICIPANTS

Farmer

VentinaryDoc

ASSETS

Cow

CowAuctionListing

TRANSACTIONS

All Transactions

Submit Transaction

Participant registry for org.trade

ID

Farmer1

Submit Transaction

Transaction Type: RegisterCow

JSON Data Preview

```
1 {
2   "$class": "org.trade.marketplace.RegisterCow",
3   "cow": {
4     "$class": "org.trade.marketplace.Cow",
5     "cowId": "Cow1",
6     "owner": "resource:org.trade.marketplace.Farmer#Farmer1",
7     "cowAge": 5,
8     "cowBreed": "White female",
9     "cowHealthCertificateId": "cow health certificate",
10    "isHealthCertificateVerified": false,
11    "cowHealthStatus": "Yet to update by Ventinary Doctor",
12    "verifiedBy": "Yet to verify",
13    "isAlive": true
14  }
15 }
```

☐ Optional Properties

Just need quick test data? [Generate Random Data](#) Cancel Submit

## Register Doctor into the Network

The screenshot shows the 'Web market-place' interface with a sidebar on the left containing 'PARTICIPANTS' (Farmer, VentinaryDoc), 'ASSETS' (Cow, CowAuctionListing), and 'TRANSACTIONS' (All Transactions). A 'Submit Transaction' button is at the bottom left. The main area is titled 'Define' and 'Test', showing 'Asset registry for org.trade.m...'. A modal dialog titled 'Submit Transaction' is open, showing 'Transaction Type' as 'RegisterVentinaryDoc'. The 'JSON Data Preview' shows a JSON object with properties for class, vDoc, docId, docName, and location. The dialog also has an 'Optional Properties' checkbox and buttons for 'Cancel' and 'Submit'.

Web market-place

Define Test

PARTICIPANTS

Farmer

VentinaryDoc

ASSETS

Cow

CowAuctionListing

TRANSACTIONS

All Transactions

Submit Transaction

Asset registry for org.trade.m...

ID

Cow1

Submit Transaction

Transaction Type RegisterVentinaryDoc

JSON Data Preview

```
1 {
2   "$class": "org.trade.marketplace.RegisterVentinaryDoc",
3   "vDoc": {
4     "$class": "org.trade.marketplace.VentinaryDoc",
5     "docId": "Doctor1",
6     "docName": "Karthick",
7     "location": "Bangalore"
8   }
9 }
```

☐ Optional Properties

Just need quick test data? [Generate Random Data](#) Cancel Submit

## AddCowSaleListing:

Farmer listing his cow for Auction to sell

The screenshot shows the 'Web market-place' interface with a sidebar on the left containing 'PARTICIPANTS' (Farmer, VentinaryDoc), 'ASSETS' (Cow, CowAuctionListing), and 'TRANSACTIONS' (All Transactions). A 'Submit Transaction' button is at the bottom left. The main area is titled 'Define' and 'Test', showing 'Asset registry for org.trade.m...'. A modal dialog titled 'Submit Transaction' is open, showing 'Transaction Type' as 'AddCowSaleListing'. The 'JSON Data Preview' shows a JSON object with properties for class, cowList, cow, listId, reservePrice, description, and state. The dialog also has an 'Optional Properties' checkbox and buttons for 'Cancel' and 'Submit'.

Web market-place

Define Test

PARTICIPANTS

Farmer

VentinaryDoc

ASSETS

Cow

CowAuctionListing

TRANSACTIONS

All Transactions

Submit Transaction

Asset registry for org.trade.m...

ID

Cow1

Submit Transaction

Transaction Type AddCowSaleListing

JSON Data Preview

```
1 {
2   "$class": "org.trade.marketplace.AddCowSaleListing",
3   "cowList": {
4     "$class": "org.trade.marketplace.CowAuctionListing",
5     "cow": "resource:org.trade.marketplace.Cow#Cow1",
6     "listId": "Auction1",
7     "reservePrice": 2000,
8     "description": "White Female",
9     "state": "FOR_SALE"
10  }
11 }
```

☐ Optional Properties

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## MakeBid:

Farmers can make bid on the cow which are in Auction list

The screenshot shows a web application interface for a marketplace. On the left, there is a sidebar with categories: PARTICIPANTS (Farmer, VeterinaryDoc), ASSETS (Cow, CowAuctionListing), and TRANSACTIONS (All Transactions). A 'Submit Transaction' button is located at the bottom of the sidebar. The main area is titled 'Web market-place' and has tabs for 'Define' and 'Test'. Under the 'Test' tab, there is a section 'Asset registry for org.trade.m...' with a table containing 'ID' and 'Cow1'. A modal dialog titled 'Submit Transaction' is open. It has a 'Transaction Type' dropdown set to 'MakeBid'. Below it is a 'JSON Data Preview' section showing a JSON object: 

```
1 {
2   "$class": "org.trade.marketplace.MakeBid",
3   "bidPrice": 3000,
4   "listing":
5     "resource:org.trade.marketplace.CowAuctionListing#Auction1",
6   "farmer": "resource:org.trade.marketplace.Farmer#Farmer2"
7 }
```

 There is an 'Optional Properties' checkbox which is unchecked. At the bottom of the dialog, there is a link 'Just need quick test data? [Generate Random Data](#)', a 'Cancel' button, and a 'Submit' button.

CloseBidding: Auction gets closed after scheduled time and the highest bidder gets the ownership of the Cow

The screenshot shows the same web application interface as the previous one. The 'Submit Transaction' modal dialog is open, but the 'Transaction Type' dropdown is now set to 'CloseBidding'. The 'JSON Data Preview' section shows a JSON object: 

```
1 {
2   "$class": "org.trade.marketplace.CloseBidding",
3   "listing":
4     "resource:org.trade.marketplace.CowAuctionListing#Auction1"
5 }
```

 The 'Optional Properties' checkbox remains unchecked. The bottom of the dialog features the same 'Generate Random Data' link, 'Cancel' button, and 'Submit' button.

### GiveFeedback:

After every Auction, Feedback will be asked from the Buyer about Seller and rating will be provided to the seller accordingly.

Web market-place

Define Test

PARTICIPANTS

Farmer

VentinaryDoc

ASSETS

Cow

CowAuctionListing

TRANSACTIONS

All Transactions

Submit Transaction

Asset registry for org.trade.m

ID

Cow1

Submit Transaction

Transaction Type GiveFeedback

JSON Data Preview

```
1 {
2   "$class": "org.trade.marketplace.GiveFeedback",
3   "listing":
4   "resource:org.trade.marketplace.CowAuctionListing#Auction1",
5   "rating": "3"
6 }
```

☐ Optional Properties

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Cancel Submit