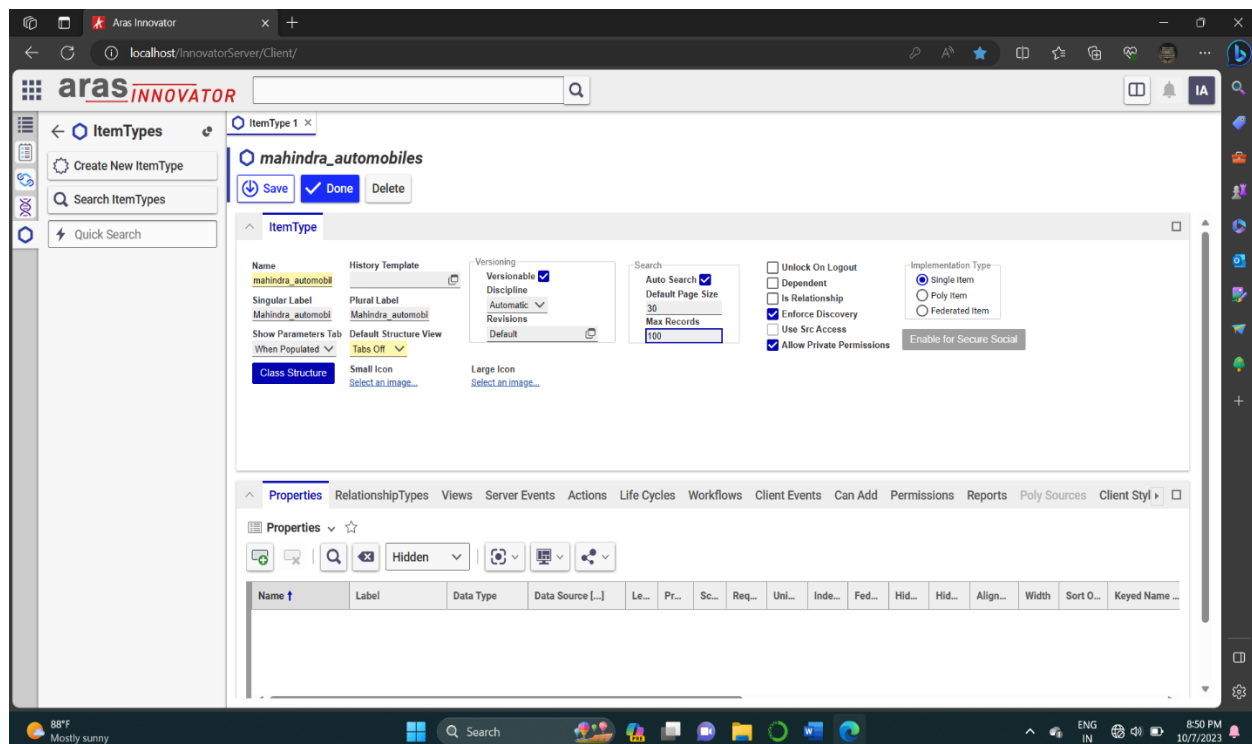


1. Item Type - Item Type is blue print of an Item . ItemType is a business object managed by Aras innovator. It is the template or the definition for the items that are created from it . It is similar to class definitions in OOPs. So we can say almost everything in Aras Innovator is defined through an Item Type.

Example – We have created an Item Type – Mahindra_automobile



What we can define by using Item type :

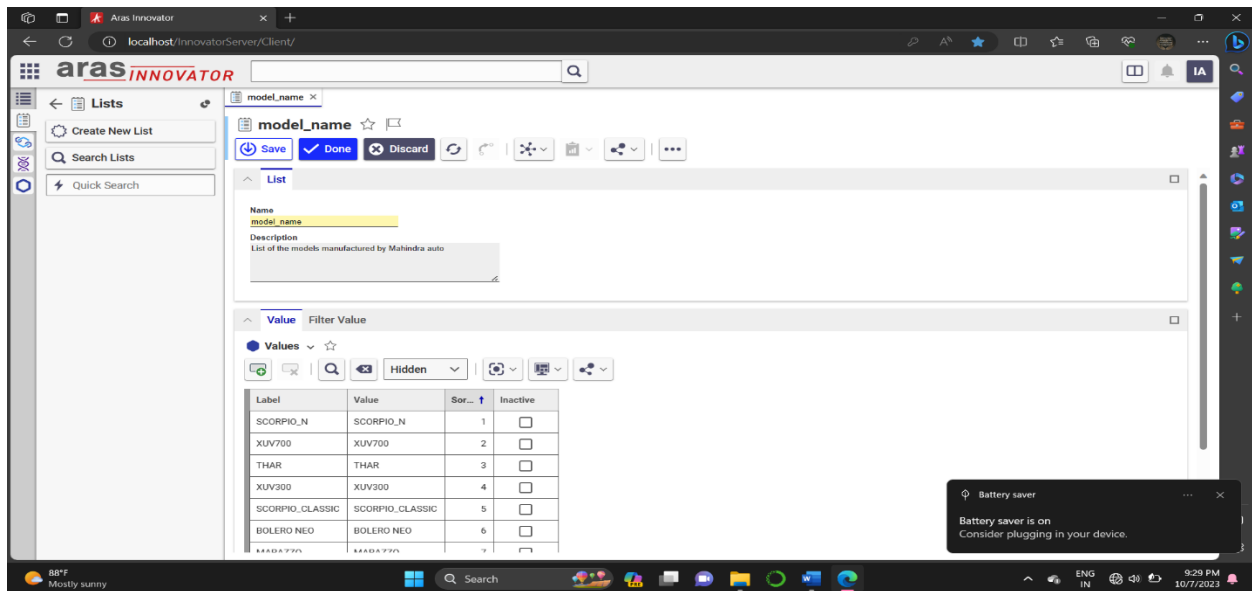
1. While creating Item Type We create Properties on Item Type, we create forms on Item Type or views available for an item
2. The lifecycle associated with item.
3. Workflows associated with item.
4. Permission, relationships, server and client methods and events to run on the item.

Property –

property is nothing but an information tracked about an Item. Each Property has name, a label, a data type and a number of other settings to define its behavior.

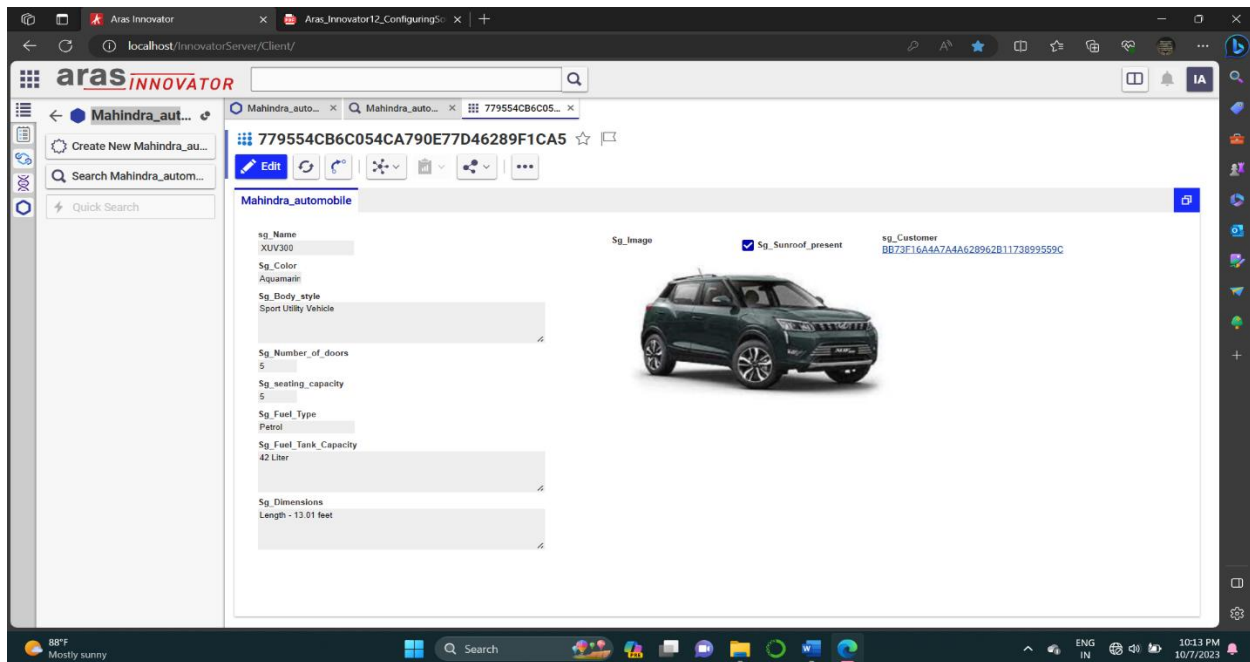
1. A List Property – creating a list so that we can give it as a data source to the data type List

Example of list – model_name

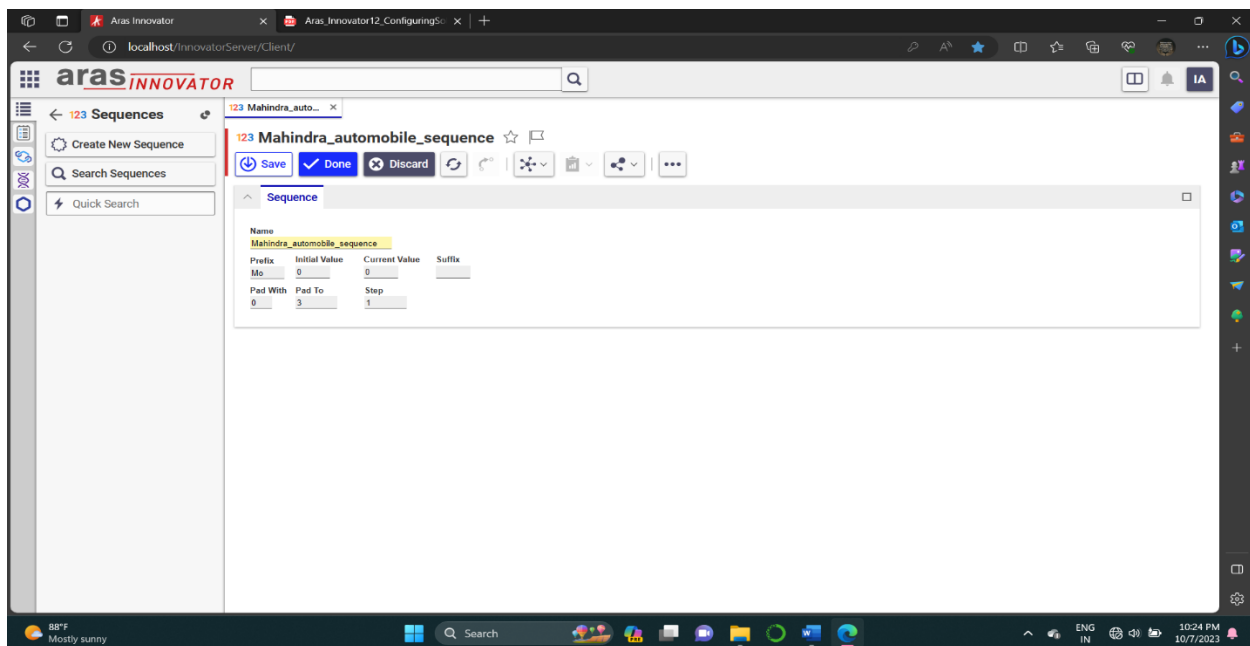


2. Creating an Item Property - Item Properties allow you to reference another Item as the property value. Instead of copying a string value to the database, Innovator stores a reference to the Id of the Item type.

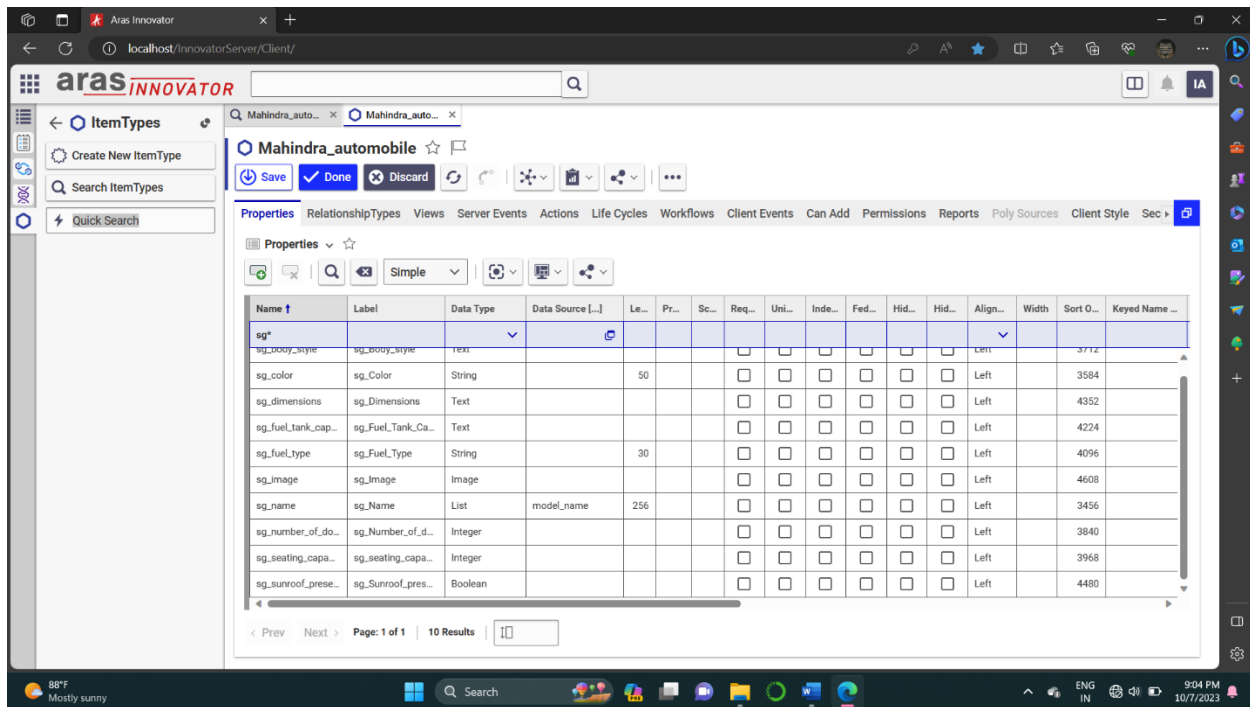
Example – sg_customer



- Defining a sequence - Sequences provide auto-numbering capabilities for Items. Properties of data type Sequence are populated server side when an item is saved.



Example - we have created ten properties of an Item Type 'Mahindra_automobile' by using various data type like text, Boolean, image, string, Integer, etc



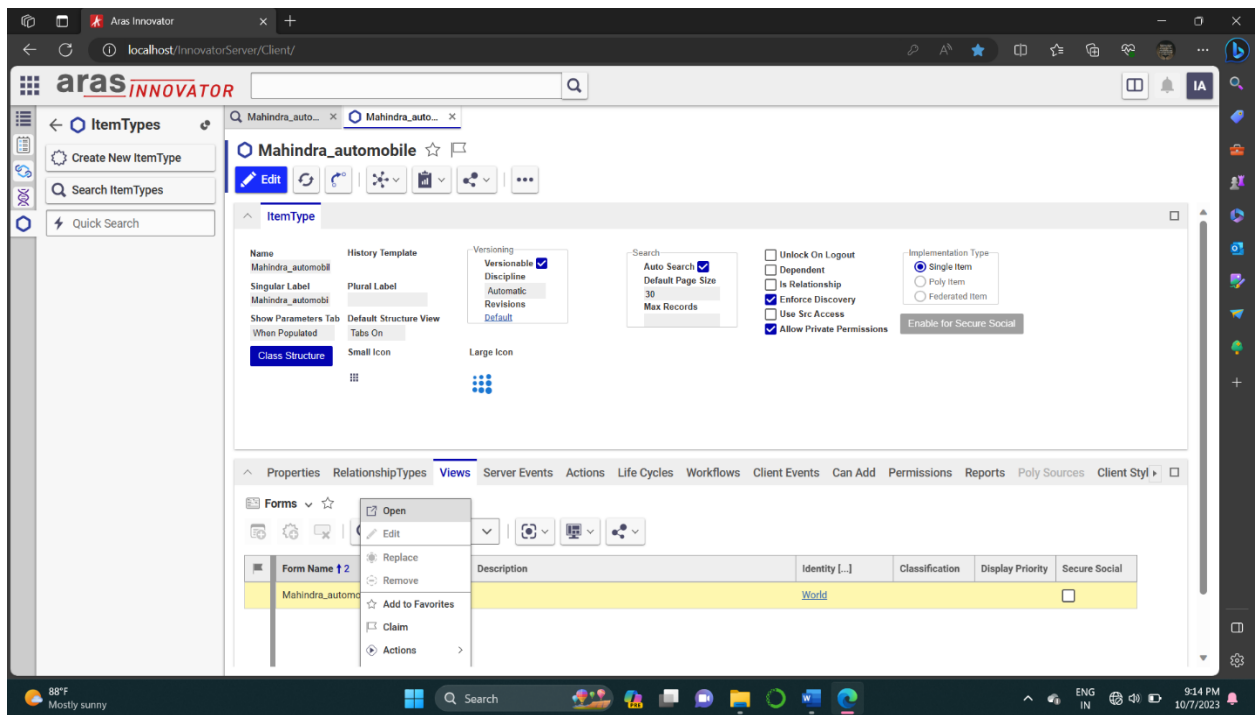
2. Forms :

Form is a dynamically created page that contains Item Type properties and this is the area where we can enter some inputs, we can interact with our data so the form in the Aras is like our normal form only; so it is useful for our user to interact with our data or with Aras system so Aras provide some drag and drop utility, by using it we can design our form and also the field in it.

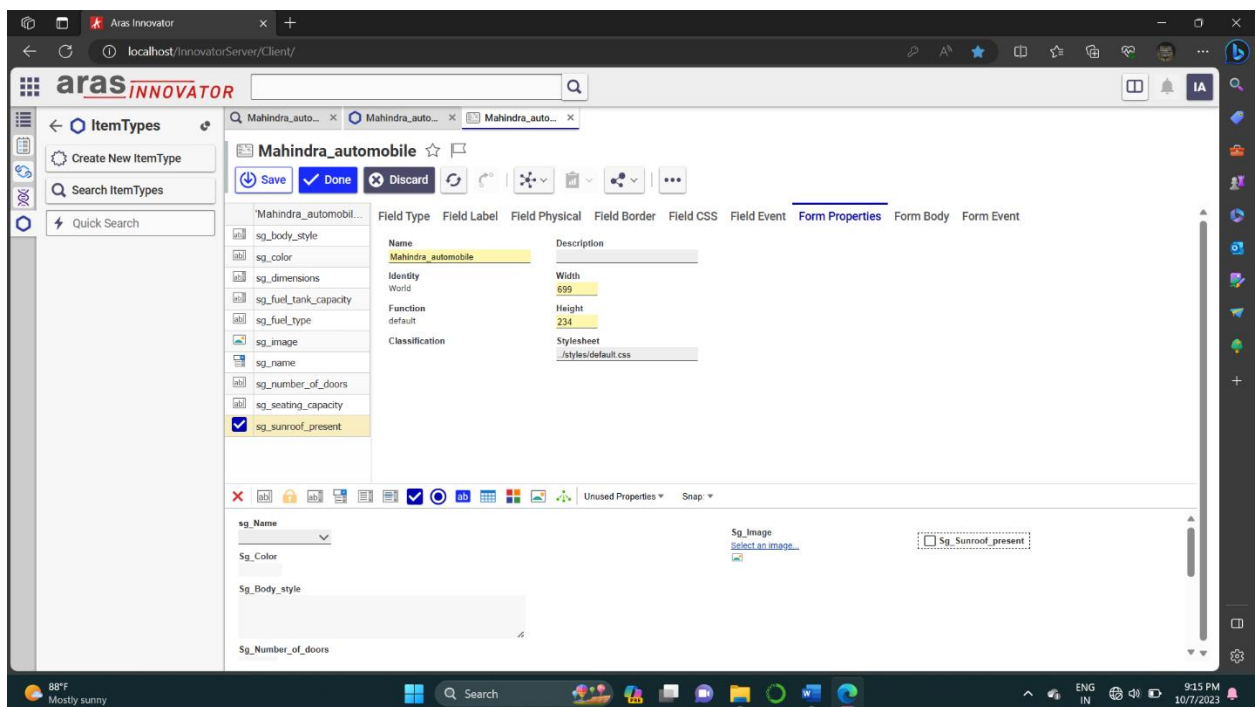
A Field is a user interface, primitive used to display information on a Form. Fields may not require to be bound to a property.

Example – here in the example of an Item Type “Mahindra_automobile” we have created a form to create an Items of an Item Type

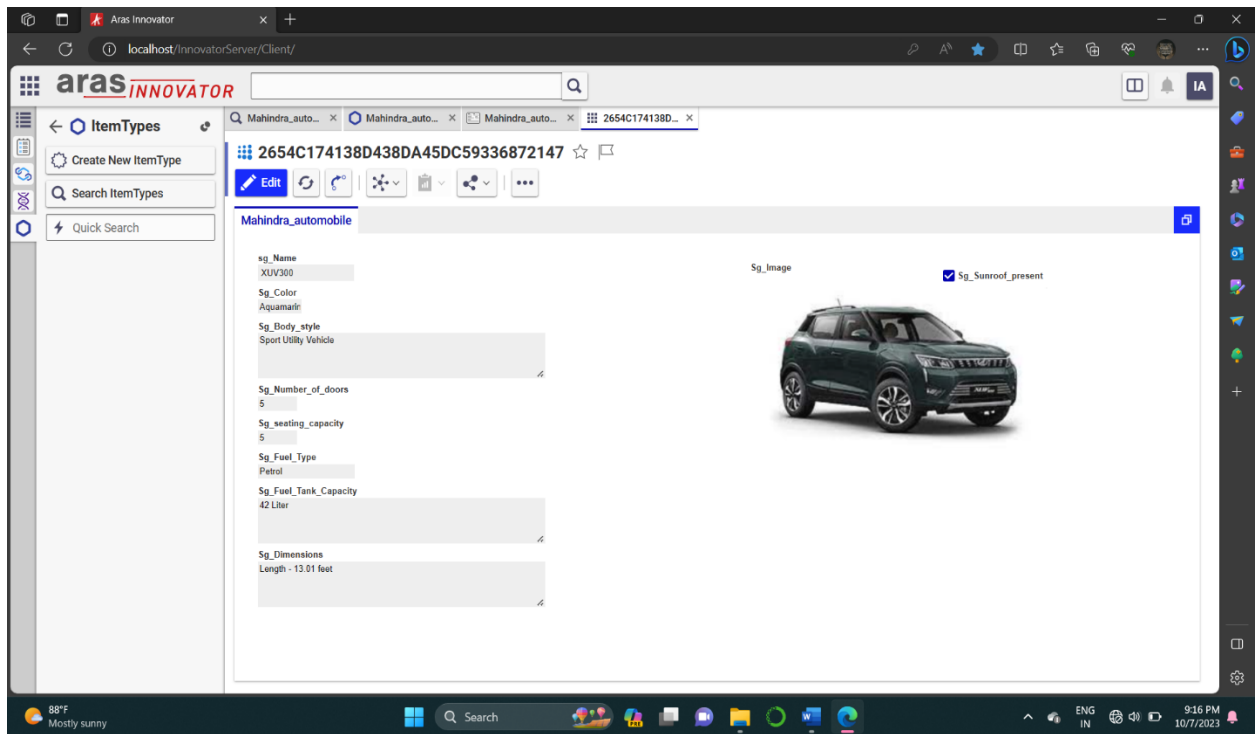
To create form, we need to go to the ‘views’ tab



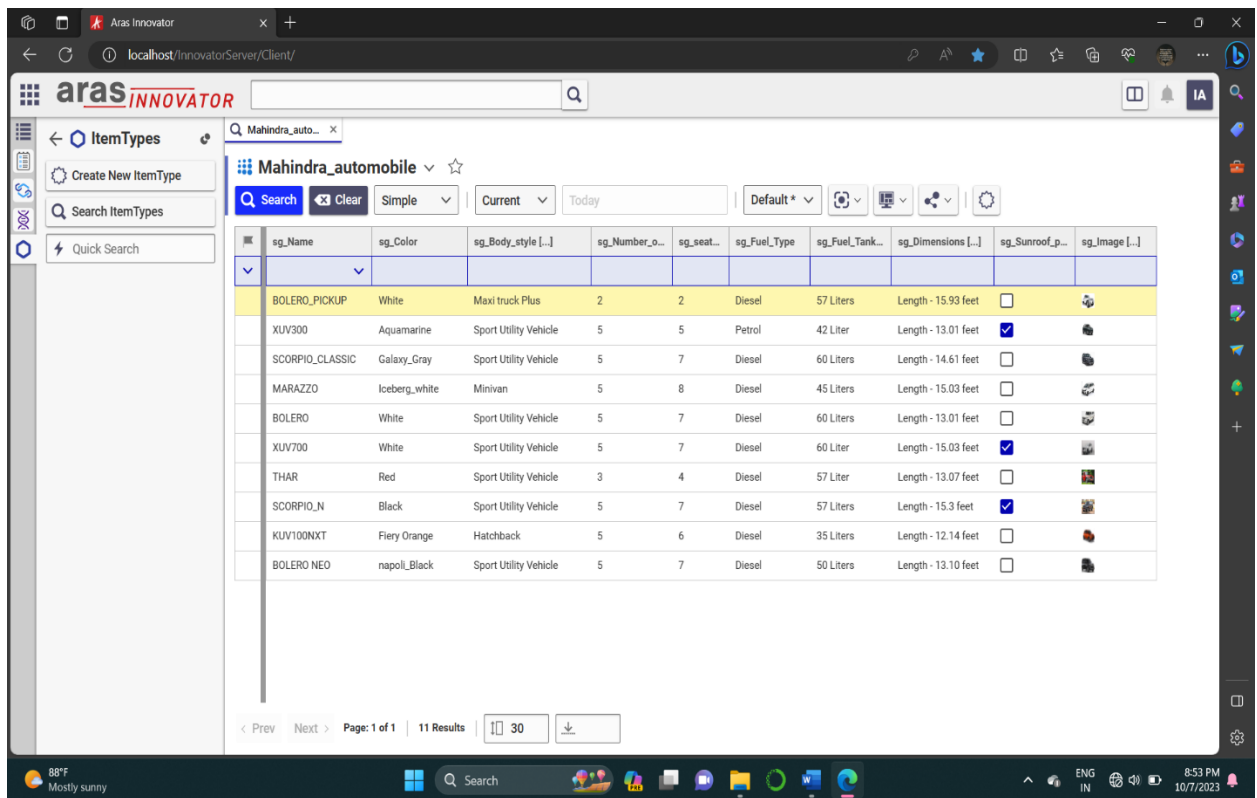
We can design the form as per our requirement



Form – once we create the form, we enter inputs in the fields



Then, We have created Items of an Item Type 'Mahindra_automobile



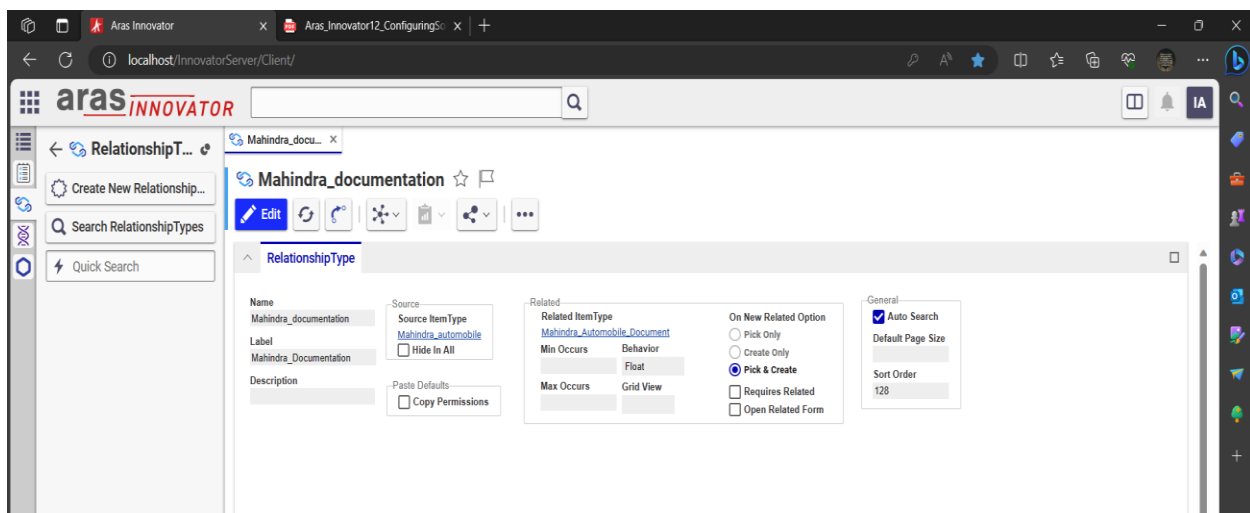
4.Relationship Type -

Relationships enable the binding of data between Item Types.

Relationships define a source Item Type and a related Item Type; that is Parent Item and related Item , Binding of data between Item Type is nothing but relationship .

Innovator has three typical Relationship Type patterns –

- A Direct Relationship Type is the most commonly used pattern and is best described as having a Source Item Type and a Related ItemType.
- A Circular Relationship Type- simply references itself, such as a standard Innovator Part ItemType. Viewing the Part BOM Relationship Type reveals the Source and Related Item Types are both a Part ItemType. In a Bill of Material (BOM) hierarchy Parts are connected to other Parts through the Part BOM Relationship Type.
- Null relationships must have at least one visible properties or they will fail since they have no related ItemType. The Part ItemType contains a good example of a Null Relationship Type named Part Goal. The Part Goal Relationship Type does not have a Related Item since it only displays properties in the relationship grid.



In this direct relationship source Item Type is 'Mahindra_automobile' and related Item Type is 'Mahindra_Automobile_Document'

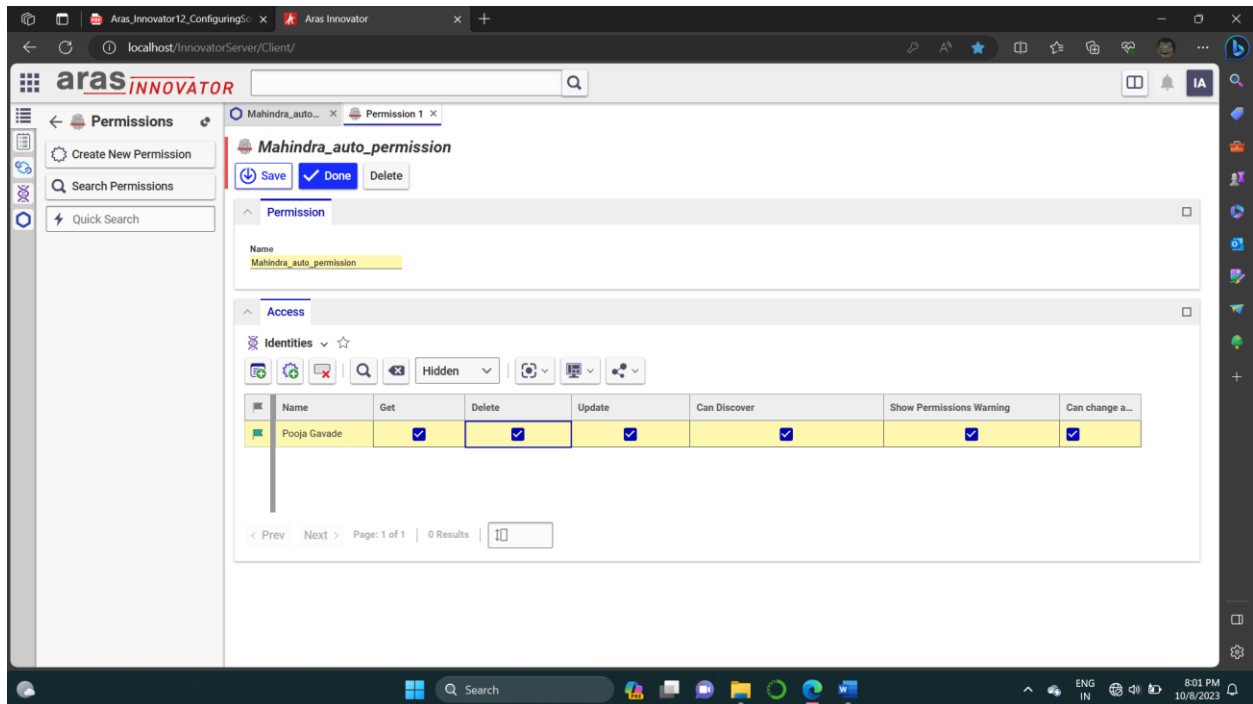
- Assigning Security –
 1. Creating new user - A new user is created to allow access to the system.

The screenshot shows the Aras Innovator web application interface. The left sidebar contains navigation links for 'Users', 'Create New User', 'Search Users', and 'Quick Search'. The main content area displays the 'Pooja Gavade' user profile. The profile includes a 'User' tab with fields for Login Name (PoojaG), First Name (Pooja), Last Name (Gavade), Company Name, Password, Email, Telephone, Mail Stop, Confirm Password, Fax, Home Phone, Picture, Logon Enabled (checked), Cell, Pager, Starting Page, Employee #, Manager, Default Vault (Default), and Working Directory. Below the profile is a section for 'Aliases' and 'Read Vaults'.

2. Alias Identities –

The screenshot shows the Aras Innovator web application interface. The left sidebar contains navigation links for 'Identities', 'Create New Identity', 'Search Identities', and 'Quick Search'. The main content area displays the 'Pooja Gavade' identity profile. The profile includes an 'Identity' tab with fields for Name (Pooja Gavade), Is Alias (checked), Description, Users Passwords, Maximum Password Age, and Password History Length. Below the profile is a section for 'Member' with a table showing the identity's membership. The table has columns for Name, From D..., and End Date

3. Creating a permission - Permissions are defined with a name and are related to one or more Identities



3. Assigning ItemType Permissions –

