SALESFORCE- CASE STUDY

High-Level Requirements:

1. Initial Setup, Configuration and Data Migration

Created an App named ABC Limited

Created Accounts, Contacts, Products and Assets in excel sheets. Using Data Import wizard and Data Loader.io tool imported the data to my org. Imported using insertion and operation and then mapped fields.

Accounts:

	А	В	С	D	Е
1	Account Name	Туре	Industry	Prospect Rating	
2	Mindtree Ltd Kolkata	Prospect	Technology	Hot	
3	Policy Protectors	Prospect	Insurance	Hot	
4	HDFC Bank	Prospect	Finance	Hot	
5					
6					

Contacts:

A	В	C	D	E	F
First Name	Last Name	Phone	Lead Source	Salutation	Account Name
Ankush	Rathore	(982) 473-6102	Web	Mr.	Policy Protectors
Arjun	Rampal	(726) 718-7328	Phone Inquiry	Mr.	HDFC Bank
Shruti	Patnayak	(726) 479-8327	Phone Inquiry	Mr.	Mindtree Ltd Kolkata

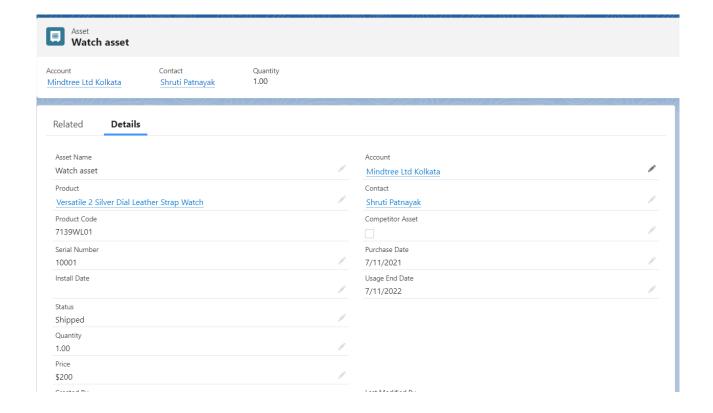
Assets:

	А	В	С	D	Е
1	Asset Name	Product Code	Status	Account Name	Contact Name
2	Watch asset	7139WL01	Shipped	Mindtree Ltd Kolkata	Shruti Patnayak
3	Insurance Asset	LA19150	Shipped	Policy Protectors	Ankush Rathore
4	Credit Card Asset	ACC0001	Shipped	HDFC Bank	Arjun Rampal
5					
6					

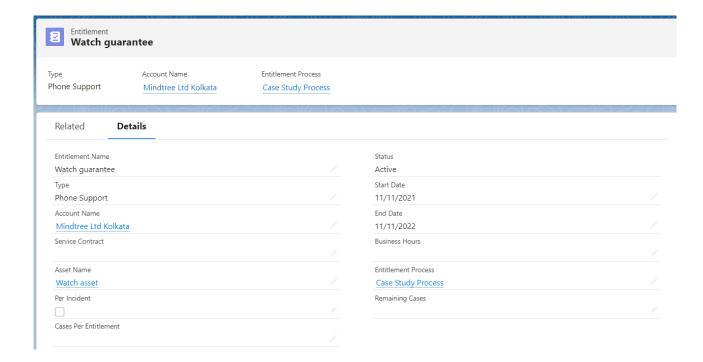
Products:

	А	В
1	Product Name	Product Code
2	Versatile 2 Silver Dial Leather Strap Watch	7139WL01
3	Atlas Credit Card	ACC0001
4	Life and Accident Insurance Plan	LA19150
5		

Asset Example



Entitlement example



Profiles

Created Business Admin profile and gave full access (CRUD) to all service cloud objects.



Created an user with the Business Admin role



Profile-2

Created Support Agent profile and gave read access on all Service cloud objects and Full access (i.e., CRUD capabilities) on Case Object.

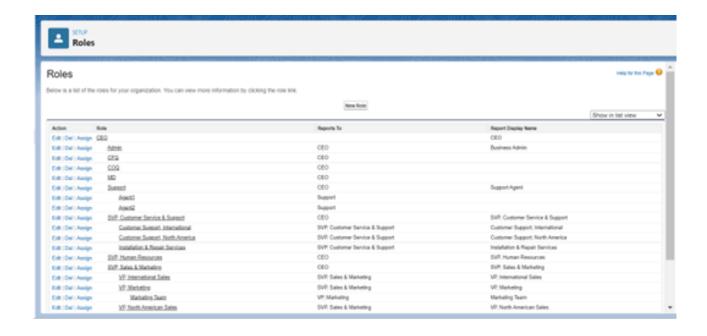


Created an user with the Support Agent role



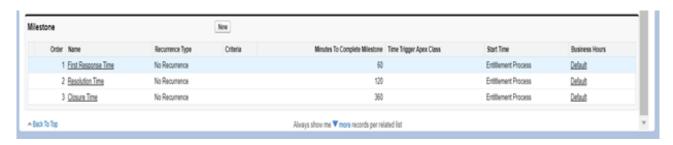
Role Hierarchy:

Configured a hierarchy where Business Admin and Support Agent are at the same level.



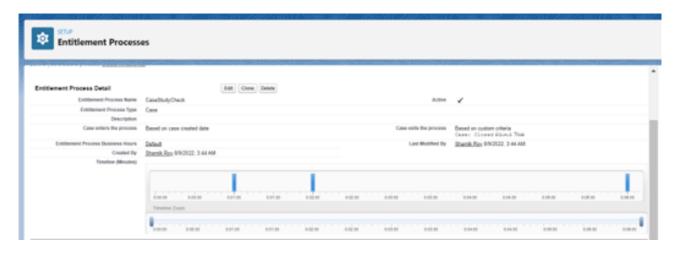
Milestones

Created milestones for Entitlement Process

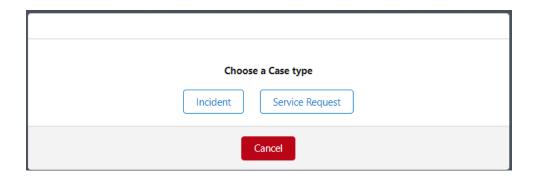


Entitlement Process

Configured Entitlement Process with above milestones which will be active once Case is created and should exit once Case is closed.



Choose Case Type



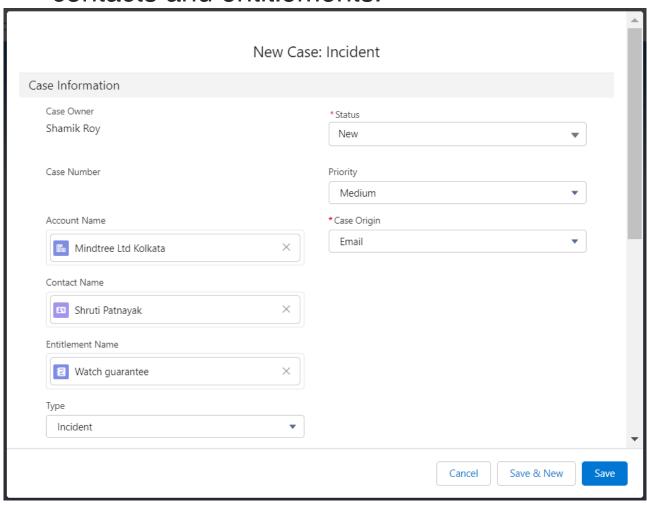
Choose Case Type component code

```
<aura:component implements="force:appHostable,flexipage:availableForAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableTorAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,flexipage:availableForAllPageTypes,
```

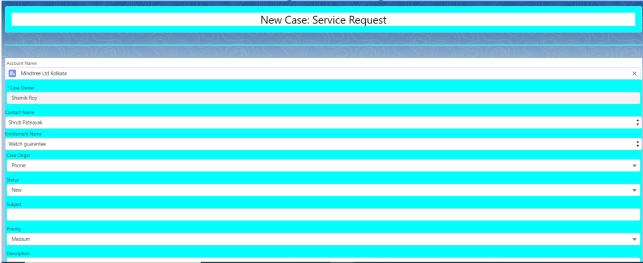
JavaScript Controller

There are two types of cases to choose:-

1. Incident Type- For incident type: Standard page layout is used. I used lookup filter to create lookup for the account name related to contacts and entitlements.



1. Service Request Type- Created a custom service request page using aura component.



Service Request Type component code:

Apex class code:

```
public class CaseStudyapex
{
@AuraEnabled
    public static list<account> fetchAccount(){
        list<account> accList= new list<account>();
        accList=[select name from account];
        return accList;
    }
    @AuraEnabled
    public static list<contact> getContact(id accid){
        list<contact> conList= new list<contact>();
        conList=[select Id, Name from contact where accountid =:accid];
        return conList;
}
```

Java Script code

Helper code

```
helperGetData : function(component, event, helper)
{
   var acid=component.find('AccName').get('v.value');
   console.log(acid);
   var action=component.get('c.getContact');
   action.setParams({
      accid:acid
   });
   action.setCallback(this, function(response){
      console.log('response===> '+JSON.stringify(response.getReturnValue()));
      if(response.getReturnValue()!=null){
            console.log('success');
            component.set('v.contactList', response.getReturnValue());
    }
}
```

Queue- Created a queue where cases will automatically get assigned to the queue after a case gets created.



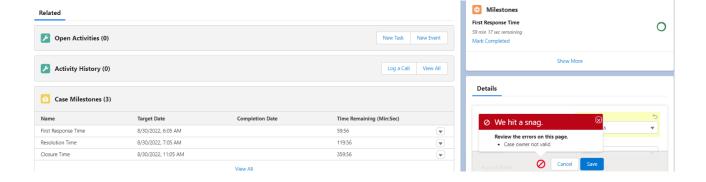
Case Assignment Rule-Case assignment should be automated with members being notified once a case is assigned.



 Created a Validation rule where an owner must take the ownership before starting working on a case



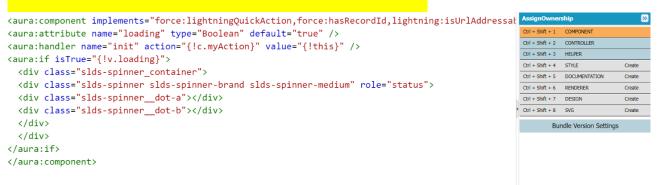
Case will show error until ownership is taken



 Created an action button to Take Ownership before starting to work on a case using apex class

```
public class Assignowner
{
@AuraEnabled
public static Boolean assignToCurrentUser(Id recordId)
{
    Case caseObj=[Select Id,OwnerId from Case where Id=:recordId];
    if(caseobj.OwnerId!=UserInfo.getUserId())
    {
      caseObj.OwnerId = UserInfo.getUserId();
      update caseObj;
      return true;
}
    else
    {
```

Taking Ownership component code



JS Controller code

```
({
    myAction : function(component, event, helper)
    {
        var action = component.get("c.assignToCurrentUser");
        var params = {"recordId": component.get("v.recordId")};
        action.setParams(params);
        action.setParams(params);
        action.setCallback(this, function(response)
        {
            var state = response.getState();
            component.set("v.loading", false);
            var result=response.getReturnValue();
            if(result===true)
            {
                console.log(response.getReturnValue());
            }
            console.log(response.getReturnValue());
        }
        }
            console.log(response.getReturnValue());
        }
        }
            console.log(response.getReturnValue());
        }
            console.log(response.getReturnValue());
        }
            console.log(response.getReturnValue());
        }
            console.log(response.getReturnValue());
        }
            console.log(response.getReturnValue());
            console.log(response.getRet
```

Helper Code

```
helperMethod : function(toasttype, title, message, data)
                                                                                                                          Ctrl + Shift + 1 COMPONENT
                                                                                                                           Ctrl + Shift + 2 CONTROLLER
   data = data || [];
                                                                                                                          Ctrl + Shift + 4 STYLE
   var toastEvent = $A.get("e.force:showToast");
                                                                                                                          Ctrl + Shift + 5 DOCUMENTATION
   toastEvent.setParams({
                                                                                                                           Ctrl + Shift + 6 RENDERER
   type: toasttype,
                                                                                                                          Ctrl + Shift + 7
   mode: "sticky",
                                                                                                                          Ctrl + Shift + 8 SVG
   title: title,
                                                                                                                                Bundle Version Settings
   message: message,
   messageTemplate: message,
   messageTemplateData: data
toastEvent.fire();
```

Case Milestones





For this requirement I created triggers using trigger helper to implement this case milestone.

- Once Case is moved from New to In Progress, First Response Time Milestone must be completed.
- Once Case is moved from In Progress to resolved, Resolution Time Milestone must be completed
- Once Case is moved to Closed, All Milestones must be completed.

<u>Created a trigger on case object to update the milestone</u>

<u>Created an apex class to calculate the milestone completion time</u>

<u>Created an apex class to count the number of cases</u> <u>per account</u>

<u>Created a trigger on Case object to update the count of total number of Cases per Account</u>

```
if( Trigger.isAfter )
{
    if( Trigger.isInsert )
    {
        CaseTriggeraHandler.updateCount( trigger.new, null );
    }
    else if( Trigger.isUpdate)
    {
        CaseTriggeraHandler.updateCount( trigger.new, trigger.oldMap );
    }
    else if( Trigger.isUndelete)
    {
        CaseTrigger.isUndelete)
    }
}
```