



## Salesforce Case Study Based Learning Force.com Sites & Site.com

### Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to-end Hands-on Beginner's Guide for SalesForce. The document focuses on case study based learning for Force.com site and Site.com. [Join our professional training program and learn from experts.](#)

### History:

Version	Description	Change
0.1	Initial Draft	
0.1	Review#1	

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12 <sup>th</sup> Jan 2013


## Question 1: How can I create a page in site.com to search data dynamically and display it in table?

**Solution:**

**Step 1:** Firstly create Apex code for search data.

```
Class Body | Class Summary | Version Settings | Log Filters
```

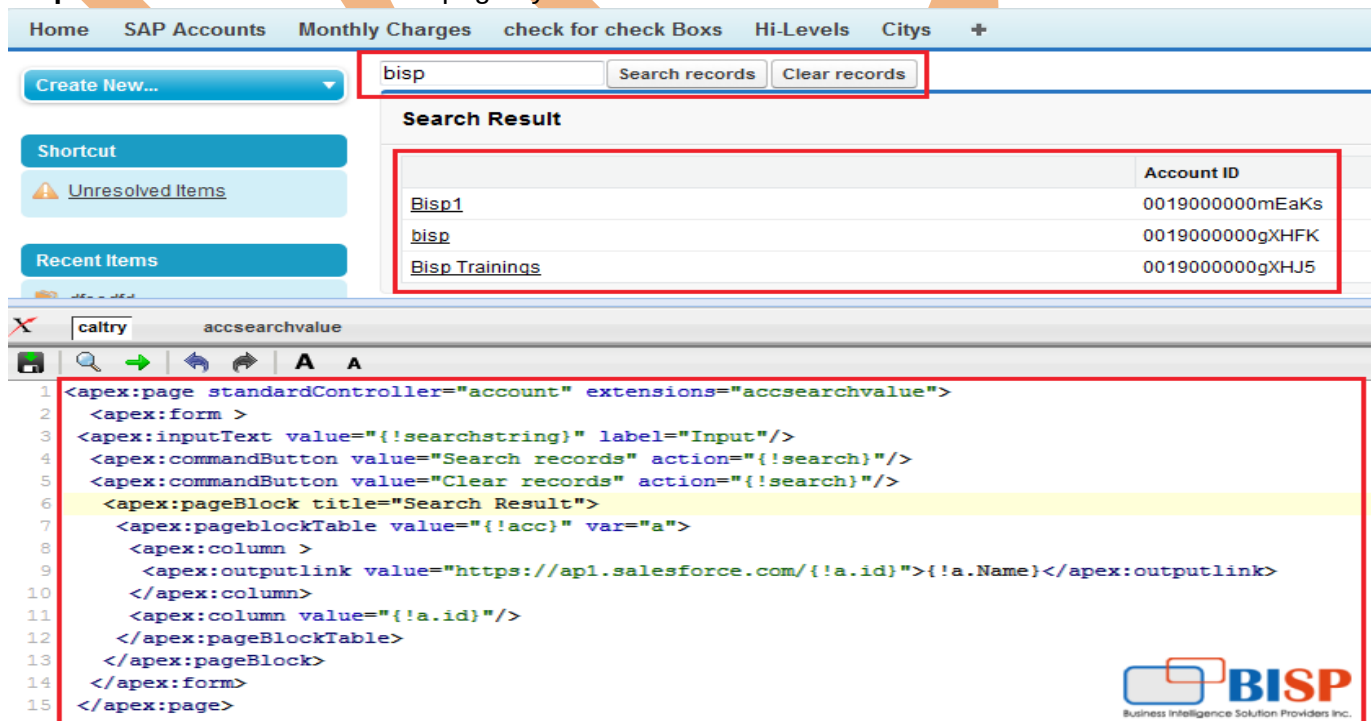
```
1 public with sharing class accsearchvalue {
2     public list <account> acc {get;set;}
3     public string searchstring {get;set;}
4     public accsearchvalue(ApexPages.StandardController controller) {
5     }
6     public void search(){
7         string searchquery='select name,id from account where name like \''+searchstring+'%' Limit 20';
8         acc= Database.query(searchquery);
9     }
10    public void clear(){
11        acc.clear();
12    }
13 }
```



**Code :**

```
public with sharing class accsearchvalue {
    public list <account> acc {get;set;}
    public string searchstring {get;set;}
    public accsearchvalue(ApexPages.StandardController controller) {
    }
    public void search(){
        string searchquery='select name,id from account where name like \''+searchstring+'%' Limit 20';
        acc= Database.query(searchquery);
    }
    public void clear(){
        acc.clear();
    }
}
```

**Step 2:** Then create VisualForce page . you can see below.




The screenshot shows a VisualForce page with a search bar containing 'bisp'. Below the search bar, there is a table titled 'Search Result' with two columns: 'Name' and 'Account ID'. The table contains three rows of data:

	Account ID
Bisp1	0019000000mEaKs
bisp	0019000000gXHFK
Bisp Trainings	0019000000gXHJ5

Below the table, the VisualForce page source code is displayed, showing the Apex controller reference and the table rendering logic. The code is as follows:

```
1 <apex:page standardController="account" extensions="accsearchvalue">
2     <apex:form >
3     <apex:inputText value="{!searchstring}" label="Input"/>
4     <apex:commandButton value="Search records" action="{!search}"/>
5     <apex:commandButton value="Clear records" action="{!search}"/>
6     <apex:pageBlock title="Search Result">
7     <apex:pageBlockTable value="{!acc}" var="a">
8     <apex:column >
9     <apex:outputlink value="https://api.salesforce.com/{!a.id}">{!a.Name}</apex:outputlink>
10    </apex:column>
11    <apex:column value="{!a.id}"/>
12    </apex:pageBlockTable>
13 </apex:pageBlock>
14 </apex:form>
15 </apex:page>
```



### Code :

```
<apex:page standardController="account" extensions="accsearchvalue">
  <apex:form >
  <apex:inputText value="{!searchstring}" label="Input"/>
  <apex:commandButton value="Search records" action="{!search}"/>
  <apex:commandButton value="Clear records" action="{!search}"/>
  <apex:pageBlock title="Search Result">
  <apex:pageblockTable value="{!acc}" var="a">
  <apex:column >
  <apex:outputlink value="https://ap1.salesforce.com/{!a.id}">{!a.Name}</apex:outputlink>
  </apex:column>
  <apex:column value="{!a.id}"/>
  </apex:pageBlockTable>
  </apex:pageBlock>
  </apex:form>
</apex:page>
```

**Step 3 :** Then go to **Setup > Develop > Sites**, Click on New button for add new site .

**New Site** [Save] [Cancel]

Site Label: bispcp [i]

Site Name: bispcp [i]

Site Description: [Text Area]

Site Contact: yogesh sharma [i]

Default Web Address: http://bis2-developer-edition.ap1.force.com/ bispcp [i]

Active:  [i]

Active Site Home Page: caltry [i] ← Select your VisualForce page

Inactive Site Home Page: InMaintenance [Preview]

Site Template: SiteTemplate [i]

Site Robots.txt: Exception [i]

Site Favorite Icon: [i]

Analytics Tracking Code: [i]

URL Rewriter Class: [i]

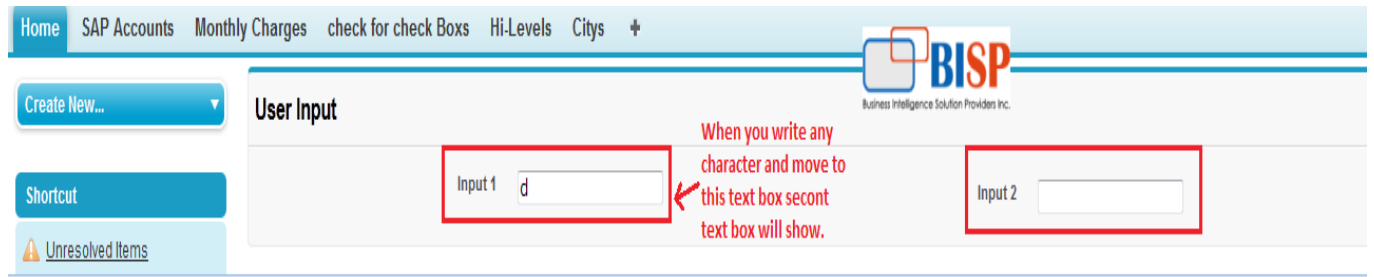
Enable Feeds:

[Save] [Cancel]

**Question 2: Create a dependent input text in VisualForce page.**

In VisualForce page I have 2 input texts, if I write anything in input text1, automatically inputtext2 comes visible, I need picklist functionality in-between fields in VisualForce page how can I get this.

**Solution :**



```

1 <apex:page controller="PartialPageRefreshController">
2
3 <apex:form id="form">
4 <apex:pageBlock title="User Input" id="thePageBlock">
5 <apex:pageBlocksection columns="2">
6 <apex:inputText value="{!inputValue1}" id="theTextInput1" label="Input 1" tabindex="1">
7
8 <!-- action support allows you to add event handlers onto VF components that don't normally support them the "reRender" attribute can point to
9 <apex:actionSupport reRender="refresh" event="onkeyup" />
10 </apex:inputText>
11
12 <!-- the "rendered" attribute tells the VF page renderer whether or not to generate the HTML for this component -->
13 <apex:outputPanel id="refresh">
14 <apex:pageblocksection rendered="{!LEN(inputValue1)>0}">
15 <apex:inputText value="{!inputValue2}" id="theTextInput2" label="Input 2" rendered="true" tabindex="2"/>
16 </apex:pageblocksection>
17 </apex:outputPanel>
18 </apex:pageBlocksection>
19
20 </apex:pageBlock>
21 </apex:form>
22 </apex:page>

```

**Code :**

```

<apex:page controller="PartialPageRefreshController">

<apex:form id="form">
  <apex:pageBlock title="User Input" id="thePageBlock">
    <apex:pageBlocksection columns="2">
      <apex:inputText value="{!inputValue1}" id="theTextInput1" label="Input 1" tabindex="1">

      <!-- action support allows you to add event handlers onto VF components that don't normally
      support them the "reRender" attribute can point to          any VF component on the page -->
      <apex:actionSupport reRender="refresh" event="onkeyup" />
      </apex:inputText>

      <!-- the "rendered" attribute tells the VF page renderer whether or not to generate the HTML
      for this component -->

```

```

<apex:outputPanel id="refresh">
  <apex:pageblocksection rendered="{!LEN(inputValue1)>0}">
    <apex:inputText value="{!inputValue2}" id="theTextInput2" label="Input 2"
rendered="true" tabindex="2"/>
  </apex:pageblocksection>
</apex:outputPanel>
</apex:pageBlocksection>
</apex:pageBlock>
</apex:form>
</apex:page>

```

#### Apex Code :

```

public class PartialPageRefreshController{
  public String inputValue1 {get;set;}
  public String inputValue2 {get;set;}
  public String getInputValue1() {
    return null;
  }
  public String getInputValue2() {
    return null;
  }
}

```

#### Question 3: How to Pass parameters while click image in my page?

I have requirement clicking image in VF page then it should display list of records .How to pass parameters in clicking on Image in VF and Apex?

#### Solution:

#### Controller Class :

```

public class imagepassValue{
  public String save { get; set; }
  public Integer X { get; set; }
  public imagepassValue() {
    X = 0;
  }
  public PageReference TestX() {
    String strX = ApexPages.currentPage().getParameters().get('X');
    if (strX != null) {
      this.X = Integer.ValueOf(strX);
    }
    return null;
  }
}

```

## Visual Force Page:

Create New...  
After pass value display here

Shortcut

Unresolved Items

Recent Items

Emn-015

Pass parameters while click image

There is out put

Out put Value :5

salesforce.com experience success.

Click on this Image

```
1 <apex:page controller="imagepassValue" >
2 <apex:form id="RID">
3 <br /><br /><br />
4 <h1>Pass parameters while click image</h1>
5 <hr />
6 <apex:commandLink action="{!TestX}" re-render="RID" >
7   Out put Value :<apex:param name="X" value="{!X + 1}" /> <apex:outputText value="{!X}"/><br/>
8 <apex:image id="theImage" value="/img/logo.gif" width="220" height="55"/></apex:commandLink>
9 <hr />
10 </apex:form>
11 </apex:page>
```

## VisualForce Code :

```
<apex:page controller="imagepassValue">
<apex:form id="RID">
<br /><br /><br />
<h1>Pass parameters while click image</h1>
<hr />
<apex:commandLink action="{!TestX}" re-render="RID" >
  Out put Value :<apex:param name="X" value="{!X + 1}" /> <apex:outputText value="{!X}"/><br/>
<apex:image id="theImage" value="/img/logo.gif" width="220" height="55"/></apex:commandLink>
<hr />
</apex:form>
</apex:page>
```

## Question 4: How to make image as link in VisualForce?

### Solution :

```
<a href="/apex/vfpage"><apex:image id="newImage" value="{!$Resource.mybtimg}" /></a>
```

## Question 5: How to Change Time of Date/Time Field.

**Problem :** When I am trying to save the Date/Time Field of an Object, the time should be saved by round off to some fixed time e.g. when I am selecting date as 2/26/2014 the time automatically comes as the present time i.e. 10:46 AM. But I want to save it as 11:00 AM after clicking the save button in database, that is when the time is between 10:30 AM to 11:00 AM it should get saved as 11:00 AM. Also if time is between 10:00 AM to 10:30 AM then it gets saved as 10:30 AM in database. How should I proceed.

### Solution:



**Before Save This Value**

**Reservation Edit** [Save] [Save & New] [Cancel]

Information

Reservation Name:

FirstName:

LastName:

Booking Time/Date:  [2/17/2014 4:05 PM]

Contact:

[Save] [Save & New] [Cancel]

**After Save This Value**

**Reservation Detail** [Edit] [Delete] [Clone]

Reservation Name: EmployeeDetail

FirstName: jeo

LastName: jonne

Booking Time/Date: 2/18/2014 4:30 PM

Contact: ricky jonne

Created By: vqesh sharma, 2/17/2014 4:06 PM

[Edit] [Delete] [Clone]

### Apex Class:

```
public class SomeClass{
public static void setTime(Reservation__c[] sos){
    for(Reservation__c so : sos){
        if(so.Booking_Time_Date__c == null){
            continue;
        }
        if(so.Booking_Time_Date__c.minute() > 30){
            so.Booking_Time_Date__c = so.Booking_Time_Date__c.addMinutes(60 -
so.Booking_Time_Date__c.minute()).addSeconds(-1 * so.Booking_Time_Date__c.second() );
        }
        else {
            so.Booking_Time_Date__c = so.Booking_Time_Date__c.addMinutes(30 -
so.Booking_Time_Date__c.minute()).addSeconds(-1 * so.Booking_Time_Date__c.second() );
        }
    }
}}
```

### Apex Trigger :

```
trigger change_date on Reservation__c (before insert) {
    SomeClass.setTime(trigger.new);
}
```

### Question 6: Form reset after clicking a button?

**Problem :** I have two button are there first button is to reset and second button is to show list .When I click on the reset button before click the list it is reset the form when I click the reset button after clicking the list it is not working.

**Solution :**

This is VisualForce Code

```

1 <apex:page standardController="account" extensions="accsearchvalue">
2 <apex:form >
3   <apex:inputText value="{!searchstring}" label="Input"/>
4   <apex:commandButton value="Reset" onclick="this.form.reset();return false;" />
5   <apex:commandButton value="Quote List" rerender="redrawArea" />
6 </apex:form>
7 <apex:pageBlock id="redrawArea">
8   {!searchstring}
9 </apex:pageBlock>
10 </apex:page>
```

**VisualForce Code :**

```

<apex:page standardController="account" extensions="accsearchvalue">
<apex:form >
  <apex:inputText value="{!searchstring}" label="Input"/>
  <apex:commandButton value="Reset" onclick="this.form.reset();return false;" />
  <apex:commandButton value="Quote List" rerender="redrawArea" />
</apex:form>
<apex:pageBlock id="redrawArea">
  {!searchstring}
</apex:pageBlock>
</apex:page>
```

### Question 6: Update custom object using VisualForce page.

**Problem:** Need to update date field current date after Save date .

**Controller Class:**



```

public with sharing class updateObject{
    public List<NRProducts__c> values;
    public PageReference updateObject() {
        values=[SELECT Refreshed_Date__c FROM NRProducts__c ];
        for (NRProducts__c s :values){
            s.Refreshed_Date__c =Date.today();
        }
        update values;
        return null;
    }
}

```

### VisualForce Page:

```

<apex:page showheader="false" controller="updateObject" sidebar="false">
<apex:form >
<apex:pageBlock title="Update Date Field">
<apex:pageBlockSection >
<apex:commandButton action="{!updateObject}" value="Click here to Update Date "/>
</apex:pageBlockSection>
</apex:pageBlock>
</apex:form>
</apex:page>

```

### Question 7: Add picklist value Dynamically.

**Problem :** We want to add Dynamically picklist value in VisualForce page.

**Solution :**

**Step 1:** Create custom picklist value in custom object.

**Step 2:** Write class controller . you can see below.

```

public class dynamicpicklist
{
    public String city{get; set;}
    public List<SelectOption> getcitynames()
    {
        List<SelectOption> options = new List<SelectOption>();
        List<DynamicPicklist__c> citylist = new List<DynamicPicklist__c>();
        citylist = [Select Id, PicklistValue__c FROM DynamicPicklist__c ];
        options.add(new SelectOption('--None--','--None--'));
        for (Integer j=0;j<citylist.size();j++)
        {
            options.add(new SelectOption(citylist[j].PicklistValue__c,citylist[j].PicklistValue__c));
        }
        return options;
    }
    public String newpicklistvalue{get; set;}
    public void saverec()
    {
        DynamicPicklist__c newrec = new DynamicPicklist__c(PicklistValue__c=newpicklistvalue);
        insert newrec;
    }
}

```

```

newpicklistvalue=NULL;
}
}

```

**Step 3 :** Create VisualForce page . see below.

### Dynamic Picklist Reusable code



Dynamic picklist

City --None--

Enter City Name

**Dynamically picklist**

**Click here to add city in picklist**

**Enter here City name for add picklist**

```

1 <apex:page controller="dynamicpicklist" sidebar="false" >
2 <apex:form >
3 <apex:sectionHeader title="Dynamic Picklist" subtitle="Reusable code"/>
4 <apex:pageblock >
5 <apex:pageBlockSection title="Dynamic picklist" columns="1">
6   <apex:pageblocksectionItem >
7     <apex:outputLabel value="City" for="values" />
8     <apex:selectList value="{!city}" size="1" id="values">
9       <apex:actionSupport event="onchange" reRender="newvalue" />
10      <apex:selectOptions value="{!citynames}"/>
11    </apex:selectList>
12  </apex:pageblocksectionItem>
13  <apex:outputpanel id="newvalue">
14    <apex:outputpanel rendered="{!city == '--Other--'}">
15      <div style="position:relative;left:75px;">
16        <apex:outputLabel value="New value" for="newval" />
17      </div>
18    </apex:outputpanel>
19    <strong>Enter City Name &nbsp;&nbsp;&nbsp;</strong><apex:inputText value="{!newpicklistvalue}" id="newval1"/>
20    <apex:commandButton action="{!saverec}" value="Click Here Save City"/>
21  </apex:outputpanel>
22 </apex:pageblocksection>
23 </apex:pageblock>
24 </apex:form>
25 </apex:page>

```

Position: Ln 26, Ch 13      Total: Ln 26, Ch 1241

### VisualForce Page Code:

```

<apex:page controller="dynamicpicklist" sidebar="false" >
<apex:form >
<apex:sectionHeader title="Dynamic Picklist" subtitle="Reusable code"/>
<apex:pageblock >
<apex:pageBlockSection title="Dynamic picklist" columns="1">
  <apex:pageblocksectionItem >

```

```

<apex:outputlabel value="City" for="values" />
<apex:selectList value="{!city}" size="1" id="values">
  <apex:actionSupport event="onchange" reRender="newvalue" />
  <apex:selectOptions value="{!citynames}"/>
</apex:selectList>
</apex:pageblocksectionItem>
<apex:outputpanel id="newvalue">
  <apex:outputpanel rendered="{!city == '--Other--'}">
    <div style="position:relative;left:75px;">
      <apex:outputlabel value="New value" for="newval" />
    </div>
  </apex:outputpanel>
  <strong>Enter City Name &nbsp;&nbsp;&nbsp;</strong><apex:inputText value="{!
newpicklistvalue}" id="newval1"/>
  <apex:commandButton action="{!saverec}" value="Click Here Save City"/>
</apex:outputpanel>
</apex:pageblocksection>
</apex:pageblock>
</apex:form>
</apex:page>

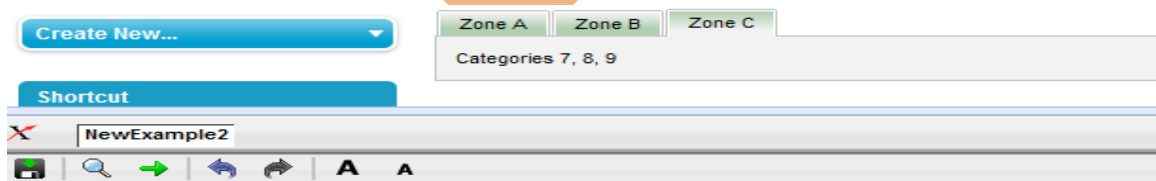
```

### Question 8: Get the categories assigned to Idea Zones.

**Problem :** I am building a custom VF page to show the ideas. I want to get the list of categories that are assigned to an idea zone. For ex: I have created 3 zones: zone A, zone B, zone C for ideas. I have assigned Categories 1, 2, 3 to zone A, Categories 4, 5, 6 to zone B, Categories 3, 5, 6 to zone C.

If I go to standard Ideas tab, somehow Salesforce could show the correct list of categories drop down for each zone. whereas I don't find any option in Apex to query the list of assigned categorized for each zone.

**Solution:**



```

1 <apex:page >
2 <apex:form >
3   <apex:tabPanel >
4     <apex:tab label="Zone A">
5       Categories 1, 2, 3
6     </apex:tab>
7     <apex:tab label="Zone B">
8       Categories 4, 5, 6
9     </apex:tab>
10    <apex:tab label="Zone C">
11      Categories 7, 8, 9
12    </apex:tab>
13  </apex:tabPanel>
14 </apex:form>
15 </apex:page>

```

BSP