

Title: Creating an Application in Salesforce.com using Apex programming Language

CreateAccount.apxc

```
public class CreateAccount {
    public String name {get; set;}
    public String phoneNumber {get; set;}
    public String selectedname {get; set;}
    public String websiteURL {get; set;}
    public List<Selectoption> lstnamesel {get; set;}

    public CreateAccount(ApexPages.StandardController controller) {
        lstnamesel = new List<selectoption>();
        lstnamesel.add(new selectOption('', '- None -'));
        lstnamesel.add(new selectOption('IT', 'IT'));
        lstnamesel.add(new selectOption('MECH', 'MECH'));
        lstnamesel.add(new selectOption('CHEM', 'CHEM'));
        lstnamesel.add(new selectOption('PHARMA', 'PHARMA'));
    }

    public PageReference createAccount() {
        System.debug('teset create');
        if(!String.isEmpty(name)) {
            Account accountRecord = new Account(Name = name,
                                                Phone = phoneNumber,
                                                Industry = selectedname,
                                                Website = websiteURL);
            INSERT accountRecord;

            PageReference pg = new PageReference('/'+accountRecord.Id);
            pg.setRedirect(true);
            return pg;
        } else {
            ApexPages.addmessage(new ApexPages.message(ApexPages.severity.CONFIRM, 'Please enter
Account Name'));
        }
        return NULL;
    }

    public PageReference cancelAccount() {
        PageReference pg = new PageReference('/'+Schema.SObjectType.Account.getKeyPrefix()+'/o');
```

```

        return pg;
    }
}

```

CreateAccount.vfp

```

<apex:page standardController="Account" extensions="CreateAccount">
    <apex:form id="apexForm" >
        <apex:pageBlock title="Create Account:" id="pageBlockId">

            <apex:pageMessages id="showmsg"></apex:pageMessages>
            <apex:pageBlockSection columns="2" >
                <!--<div class = "requiredInput">
                    <div class = "requiredBlock"></div>
                    <apex:inputText value="{!name}" label="Account Name" required="true"/>
                </div>-->
                <apex:inputText value="{!name}" label="Account Name" required="true"/>
                <apex:inputText value="{!phoneNumber}" label="Phone" />
                <apex:selectList size="1" value="{!selectedname}" label="Industry">
                    <apex:selectOptions value="{!lstnamesel}"/>
                </apex:selectList>
                <apex:inputText value="{!websiteURL}" label="Website" />
            </apex:pageBlockSection>

            <apex:pageBlockButtons >
                <apex:commandButton action="{!createAccount}" value="Save"/>
                <apex:commandButton action="{!cancelAccount}" value="Cancel"/>
            </apex:pageBlockButtons>
        </apex:pageBlock>

        <!-- ACTION FUNCTIONS-->
        <apex:actionFunction name="createFunction" action="{!createAccount}"/>
        <apex:actionFunction name="cancelFunction" action="{!cancelAccount}"/>
    </apex:form>
</apex:page>

```

Step No 1:

Create new org:

<https://developer.salesforce.com/signup>

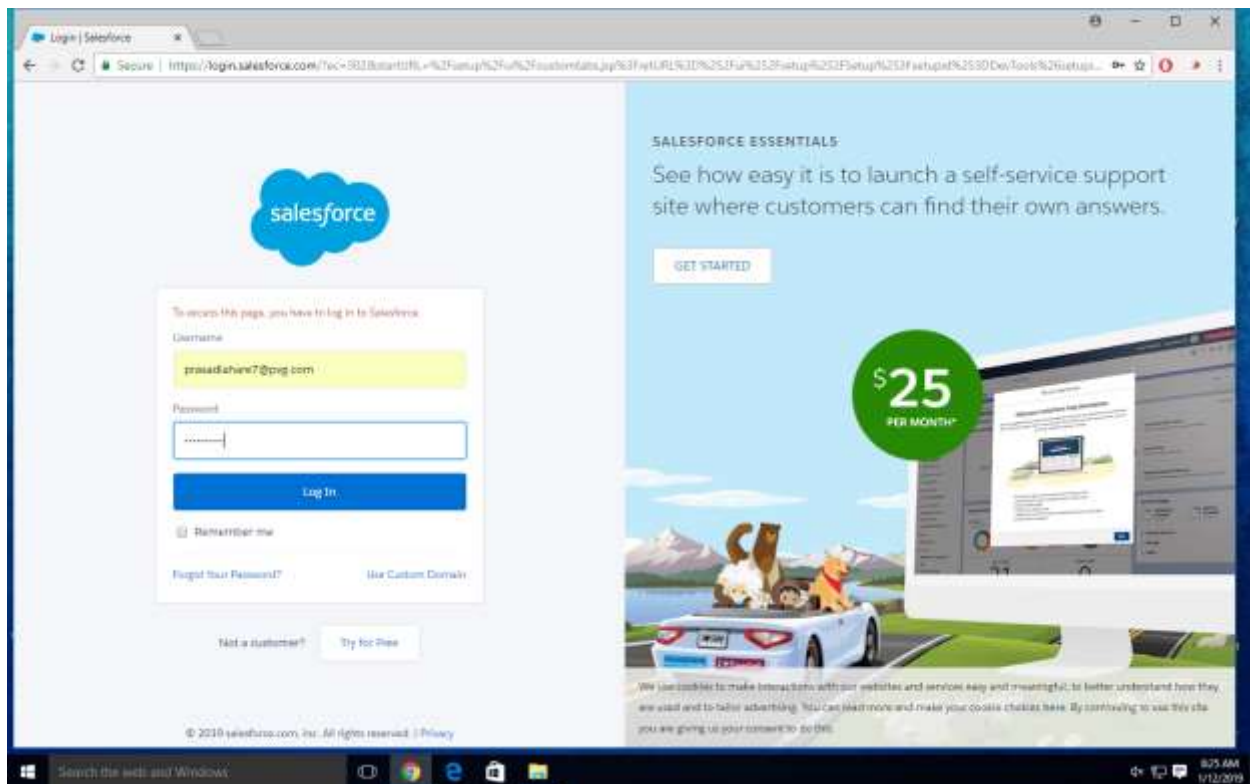
Step No 2:

After signup, logging using following URI

<https://login.salesforce.com/>

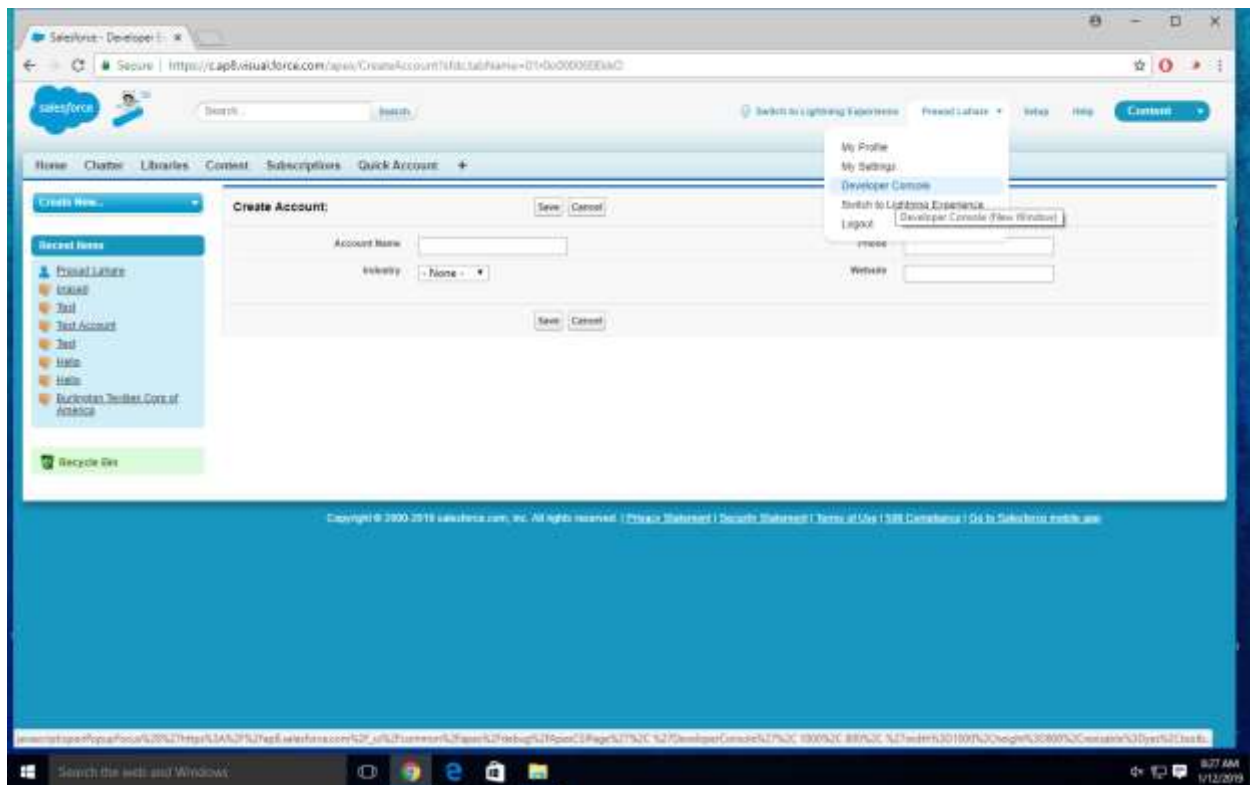
Step No 3:

Login Page



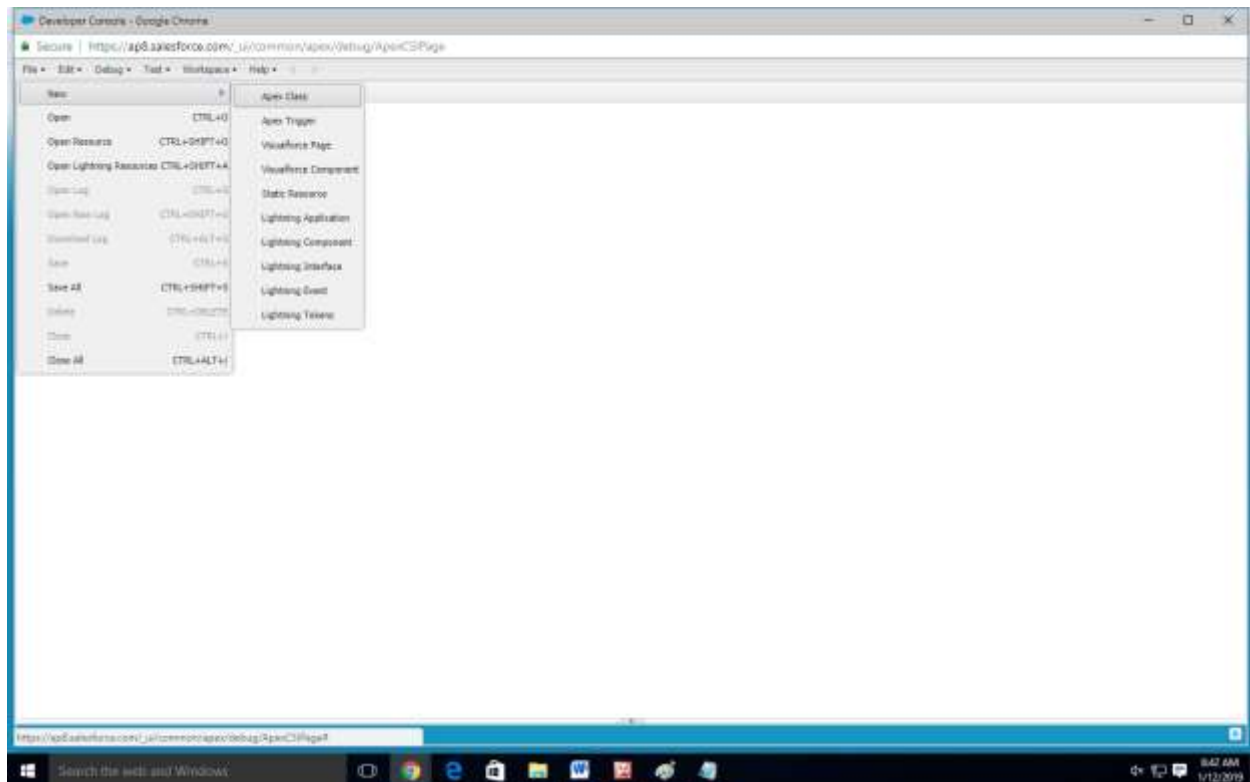
Step No:4

Go to Developer Console for writing Program



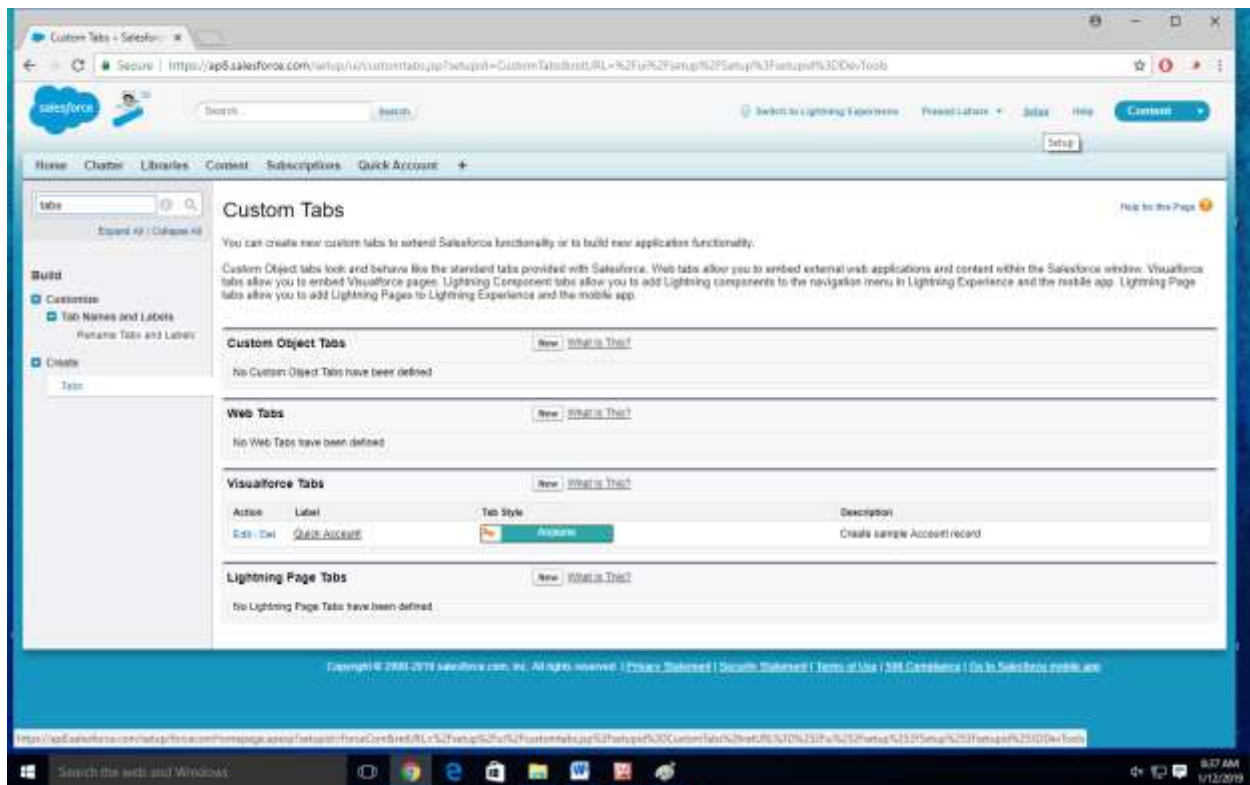
Step No 5:

Click on file then Select Apex class and write a code



Step No 6:

Select tabs section (for creating GUI)



Edit Visualforce Custom Tab

Secure | https://ap8.salesforce.com/indico0001EkkO/rw/1a4tURL+962Fsetup%2Fui%2Fcustomtabui%2Fsetup%3DCustomTab%26refURL%3D%2Fui%2F%2Fsetup%2F2FSetup%2F13PL...

Switch to Lightning Experience | Recent Layouts | Setup | Help | **Custom**

Home | Chatter | Libraries | Content | Subscriptions | **Quick Account** | +

Quick Find | Search | Expand All | Collapse All

Lightning Experience Migration Assistant

Switch to the modern, intelligent Salesforce

Get Started

Salesforce Mobile Quick Start

Home

Administer

Manage Users

Manage Apps

Manage Territories

Company Profile

Security Controls

Domain Management

Communication Templates

Translation Workbench

Data Management

Mobile Administration

Desktop Administration

Outlook Integration and Sync

Lightning for Gmail and Sync

Quick Account

Fill in the fields below to define the Visualforce custom tab.

Custom Tab Definition Edit

Visualforce Custom Tab Information

Required Information

Tab Label

Quick Account

Tab Name

Quick_Account

Context

CreditAccount

Tab Style

Adaptive

(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.

Splash Page Custom Link

None

Enter a short description

Description

Create sample Account record

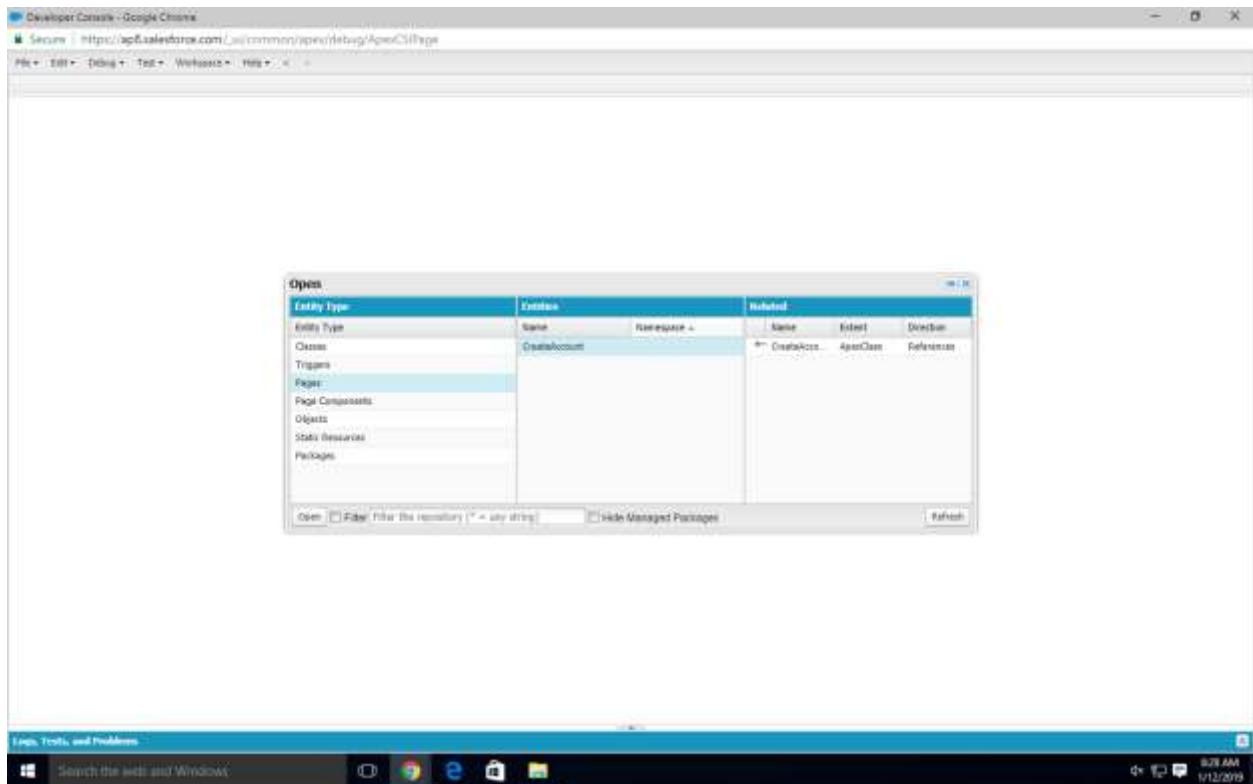
Save Cancel

Search the web and Windows

8:37 AM

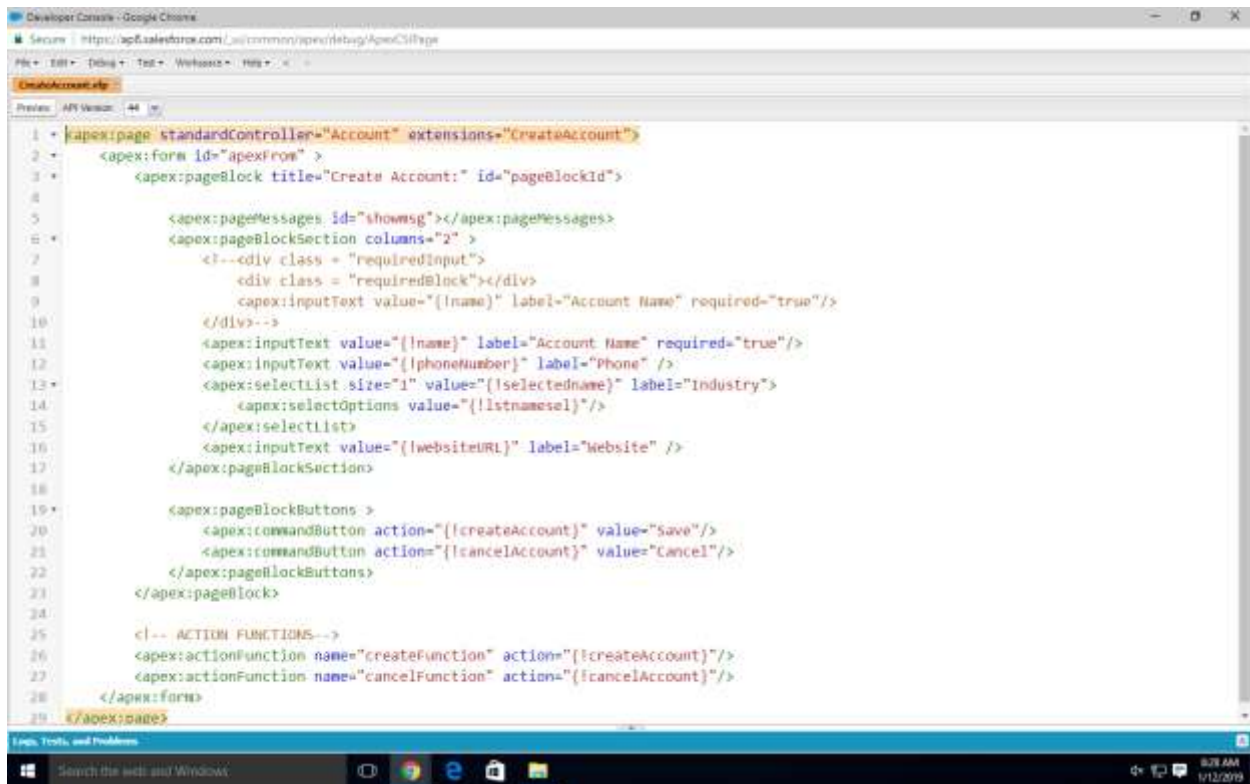
1/12/2019

Step No 7: Open a pages



Step No 8:

Program Windows



The screenshot shows a web browser window with the URL `https://ap6.salesforce.com/_ui/common/apex/debug/ApexC31Page`. The browser's developer console is open, displaying the following Apex code:

```
1 <apex:page standardController="Account" extensions="CreateAccount">
2   <apex:form id="apexForm">
3     <apex:pageBlock title="Create Account:" id="pageBlockId">
4
5       <apex:pageMessages id="showmsg"></apex:pageMessages>
6       <apex:pageBlockSection columns="2">
7         <!--div class = "requiredInput">
8           <div class = "requiredBlock"></div>
9           <apex:inputText value="{!name}" label="Account Name" required="true"/>
10        </div>-->
11        <apex:inputText value="{!name}" label="Account Name" required="true"/>
12        <apex:inputText value="{!phoneNumber}" label="Phone" />
13        <apex:selectList size="1" value="{!selectedname}" label="Industry">
14          <apex:selectOptions value="{!listnamesel}" />
15        </apex:selectList>
16        <apex:inputText value="{!websiteURL}" label="Website" />
17      </apex:pageBlockSection>
18
19      <apex:pageBlockButtons>
20        <apex:commandButton action="{!createAccount}" value="Save"/>
21        <apex:commandButton action="{!cancelAccount}" value="Cancel"/>
22      </apex:pageBlockButtons>
23    </apex:pageBlock>
24
25    <!-- ACTION FUNCTIONS-->
26    <apex:actionFunction name="createFunction" action="{!createAccount}" />
27    <apex:actionFunction name="cancelFunction" action="{!cancelAccount}" />
28  </apex:form>
29 </apex:page>
```

The bottom of the browser window shows the Windows taskbar with the search bar and the date/time display: 8:21 AM 1/12/2019.

Developer Console - Google Chrome

Secure | https://ap6.salesforce.com/_ui/common/apex/debug/ApexC3IPage

File Edit Debug Test Webconsole Help

CreateAccount.apex

Code Coverage: None API Version: 44 Go To

```
1 public class CreateAccount {
2     public String name {get; set;}
3     public String phoneNumber {get; set;}
4     public String selectedname {get; set;}
5     public String websiteURL {get; set;}
6     public List<Selectoption> lstnamesel {get; set;}
7
8     public CreateAccount(ApexPages.StandardController controller) {
9         lstnamesel = new List<selectoption>();
10        lstnamesel.add(new selectoption('', '- None -'));
11        lstnamesel.add(new selectoption('IT', 'IT'));
12        lstnamesel.add(new selectoption('MECH', 'MECH'));
13        lstnamesel.add(new selectoption('CHEM', 'CHEM'));
14        lstnamesel.add(new selectoption('PHARMA', 'PHARMA'));
15    }
16    public PageReference createAccount() {
17        System.debug('test create');
18        if(!String.isEmpty(name)) {
19            Account accountRecord = new Account(Name = name,
20                                                Phone = phoneNumber,
21                                                Industry = selectedname,
22                                                Website = websiteURL);
23            INSERT accountRecord;
24
25            PageReference pg = new PageReference('/'+accountRecord.Id);
26            pg.setRedirect(true);
27            return pg;
28        } else {
29            ApexPages.addMessage(new ApexPages.message(ApexPages.severity.CONFIRM, 'Please enter Account Name'));
```

Log, Tools, and Problems

Search the web and Windows

8:29 AM 1/12/2019

Program Screenshots

The screenshot displays the Salesforce Developer portal's 'Create Account' page. The browser address bar shows the URL: <https://developer.salesforce.com/developertools/overview>. The page features a sidebar on the left with a 'Recent Items' section containing links to various resources. The main content area is titled 'Create Account' and contains a form with the following fields: 'Account Name', 'Phone', 'Website', and 'Industry' (which is currently set to 'None'). There are 'Save' and 'Cancel' buttons at the top and bottom of the form. The footer of the page includes copyright information: 'Copyright © 2000-2019 Salesforce.com, Inc. All rights reserved. | Privacy Statement | Security Statement | Terms of Use | Sitemap | Salesforce mobile app'.

Output

The screenshot shows a Salesforce user interface for an account named 'prasad'. The browser address bar displays the URL: <https://ap5.salesforce.com/001000002C806>. The top navigation bar includes links for Home, Chatter, Libraries, Content, Subscriptions, and Quick Account. On the left sidebar, there is a 'Recent Items' list with entries like 'prasad', 'Prasad Lohani', 'Prasad', 'Test Account', 'Test', 'Test', 'Test', and 'Business Unit: Core of Content'. Below this is a 'Recycle Bin' link. The main content area features a profile card for 'prasad' with a 'Post' button and a 'Follow' button. Below the profile card, there is a section titled 'Account Detail' with a table of account information. The table includes fields such as Account Owner, Account Name, Parent Account, Account Number, Account Site, Type, Industry, Annual Revenue, Billing Address, Customer Priority, SLA Expiration Date, Number of Locations, Active, Created By, Description, Custom Link, Rating, Phone, Fax, Website, Ticket Symbol, Ownership, Employee, SIC Code, Shipping Address, SLA, SLA Serial Number, and Open Opportunity. The 'Created By' and 'Last Modified By' fields both show 'Prasad Lohani' with a timestamp of '11/11/2019 3:38 AM'. The 'Custom Link' field shows 'Sales'. The bottom of the screen displays a Windows taskbar with the search bar and various application icons.

Account: prasad - Search

Secure | <https://ap5.salesforce.com/001000002C806>

Home | Chatter | Libraries | Content | Subscriptions | Quick Account

Create New...

Recent Items

- prasad
- Prasad Lohani
- Prasad
- Test Account
- Test
- Test
- Test
- Business Unit: Core of Content

Recycle Bin

prasad

Post | File | New Task | More

Write something...

Share

Follow

Followers

No followers

There are no updates.

Details | Documents | Cases | Data Activities | Activity History | Notes & Attachments | Tasks

Account Detail

Account Owner	Prasad Lohani (Chatter)	Rating	
Account Name	prasad (View Hierarchy)	Phone	1234567890
Parent Account		Fax	
Account Number		Website	http://www.salesforce.com
Account Site		Ticket Symbol	
Type		Ownership	
Industry	IT	Employee	
Annual Revenue		SIC Code	
Billing Address		Shipping Address	
Customer Priority		SLA	
SLA Expiration Date		SLA Serial Number	
Number of Locations		Open Opportunity	
Active			
Created By	Prasad Lohani, 11/11/2019 3:38 AM	Last Modified By	Prasad Lohani, 11/11/2019 3:38 AM
Description			
Custom Link	Sales		

Search the web and Windows

8:37 AM 11/12/2019