

## 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>

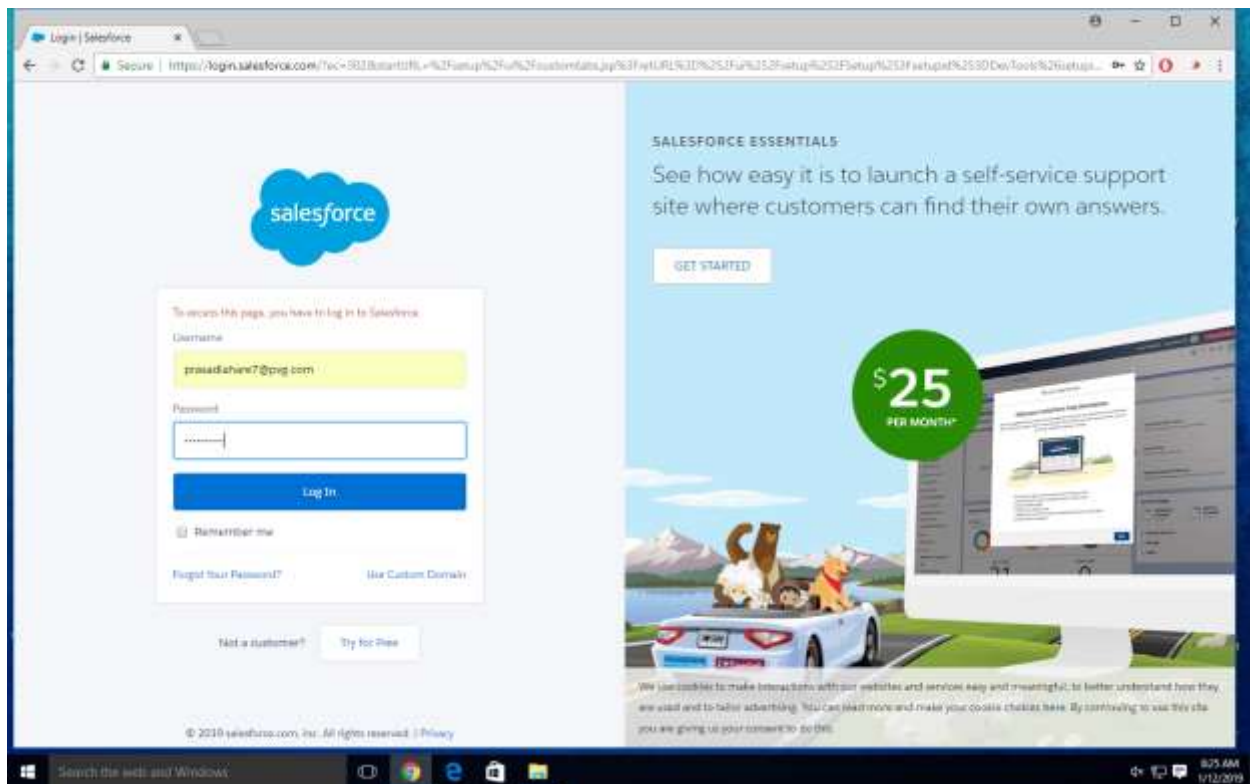
## Step No 2:

After signup, logging using following URI

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

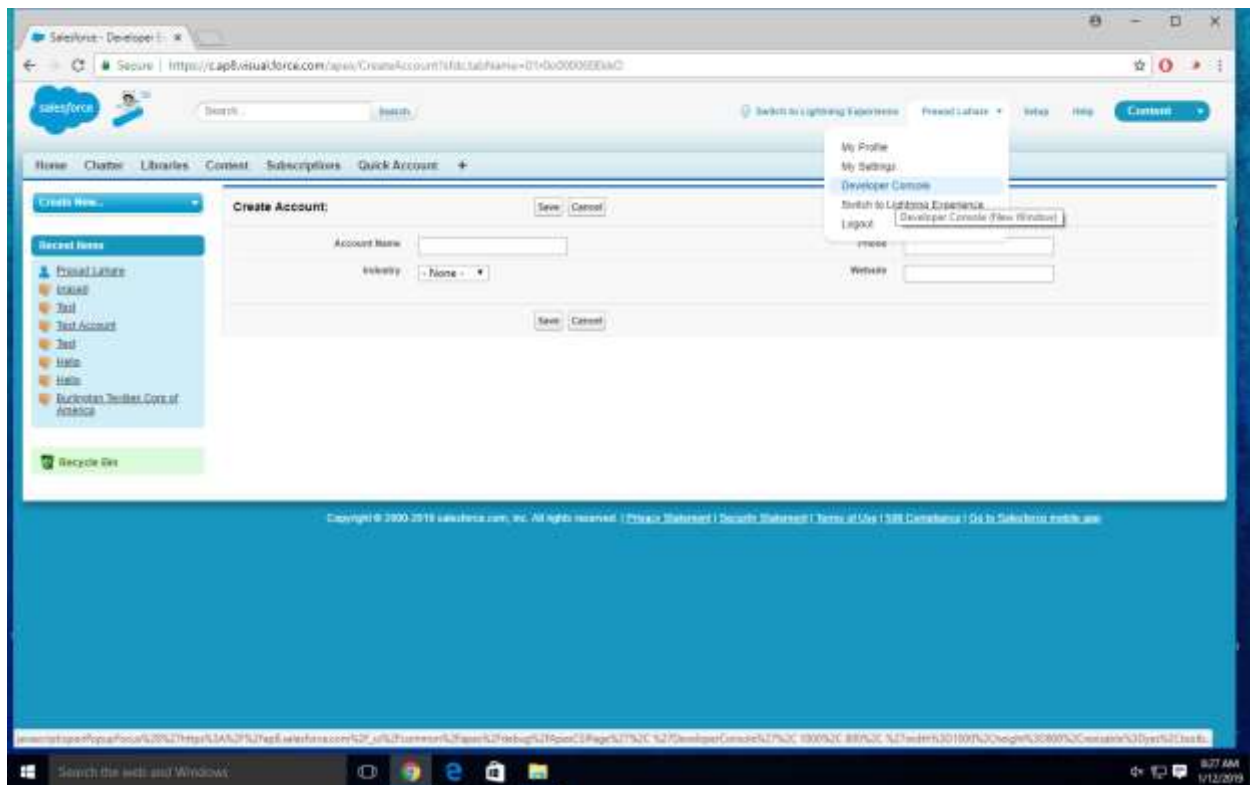
## Step No 3:

Login Page



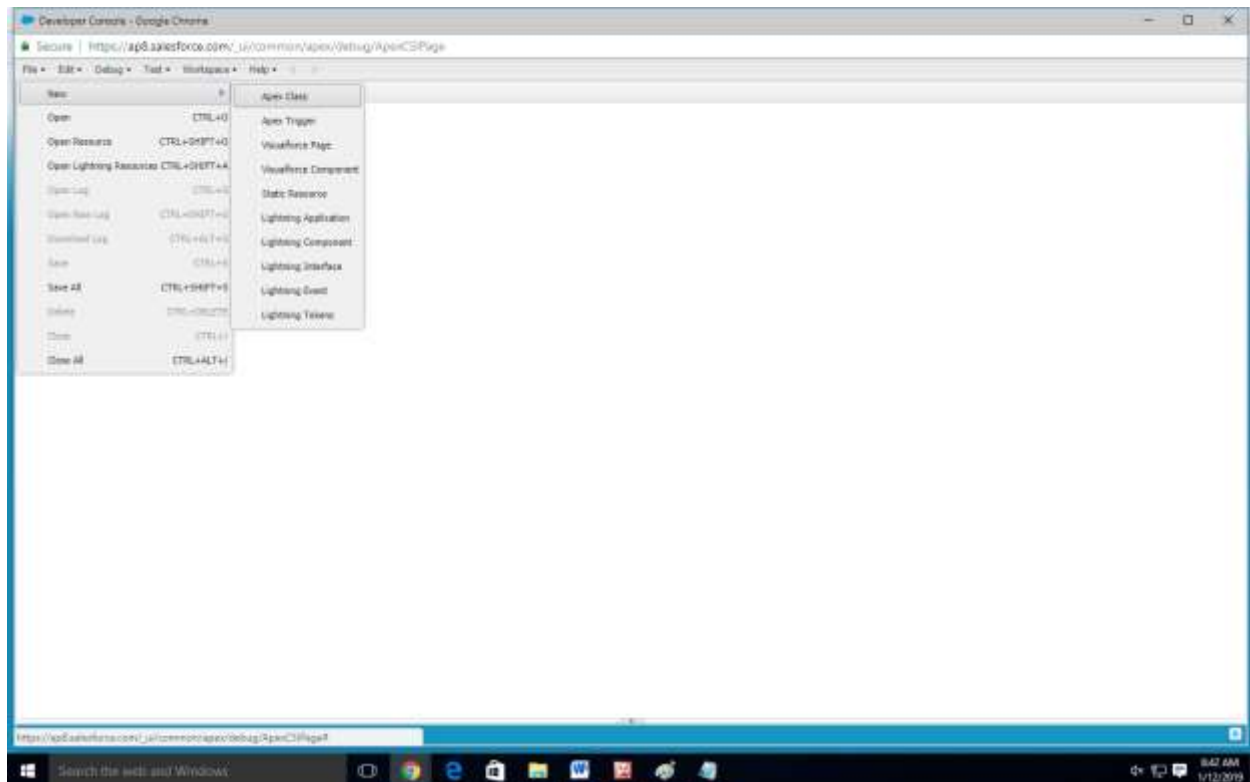
## Step No:4

Go to Developer Console for writing Program



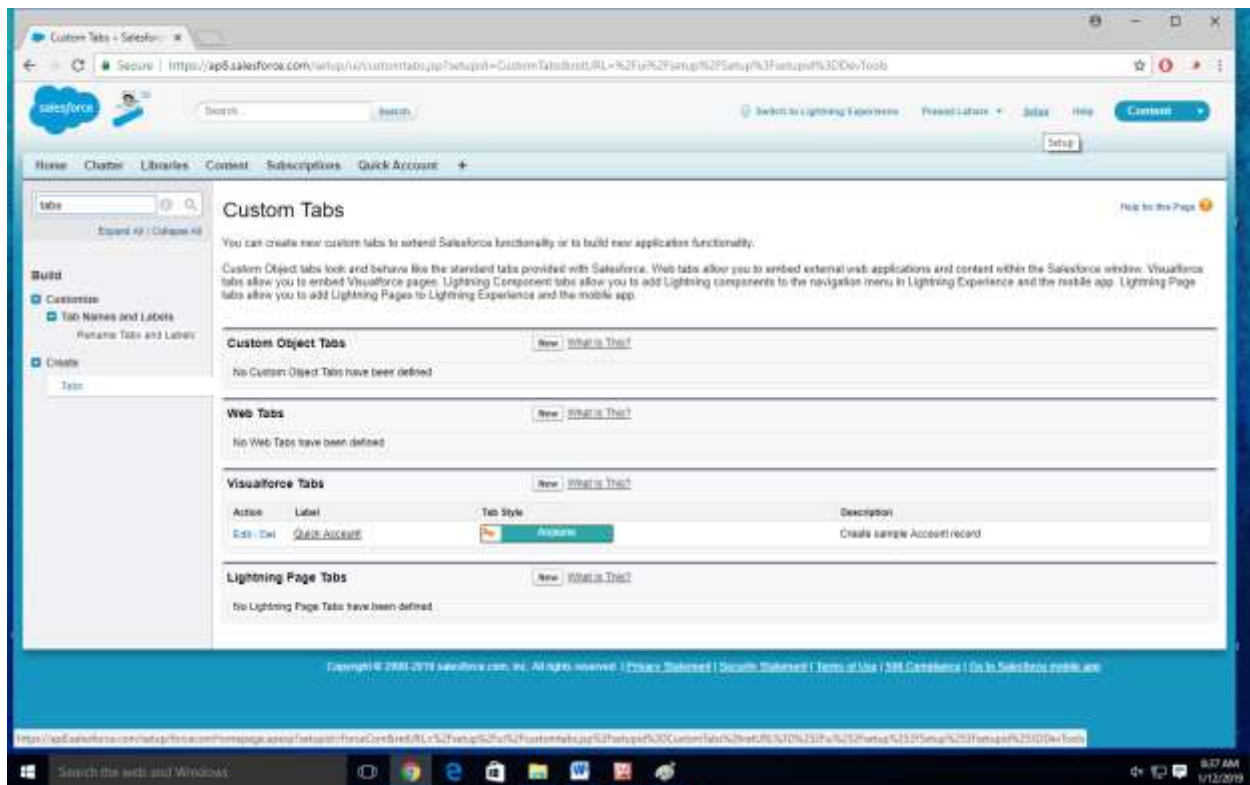
## Step No 5:

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/1a1uRL/+%2Fsetup%2Fui%2Fcustomtabui.js%3Fsetup%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

Help for this Page

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

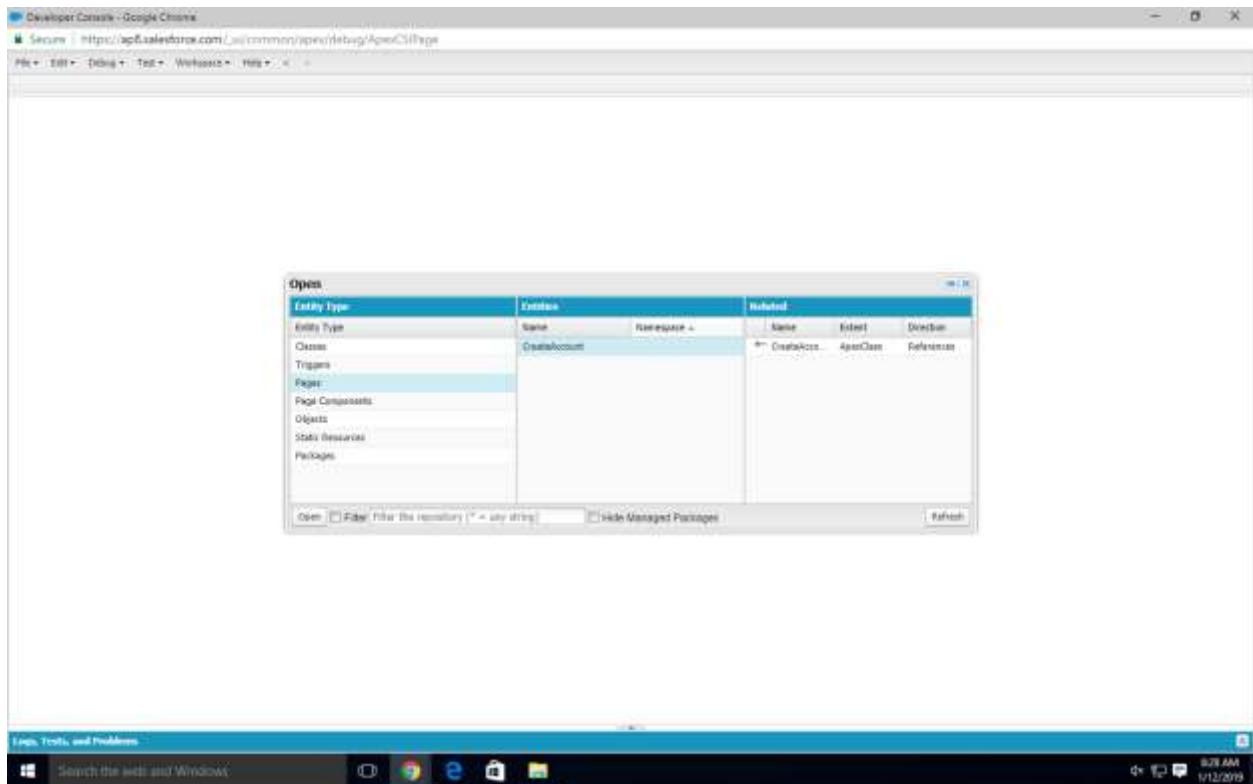
Cancel

Search the web and Windows

8:37 AM

1/12/2019

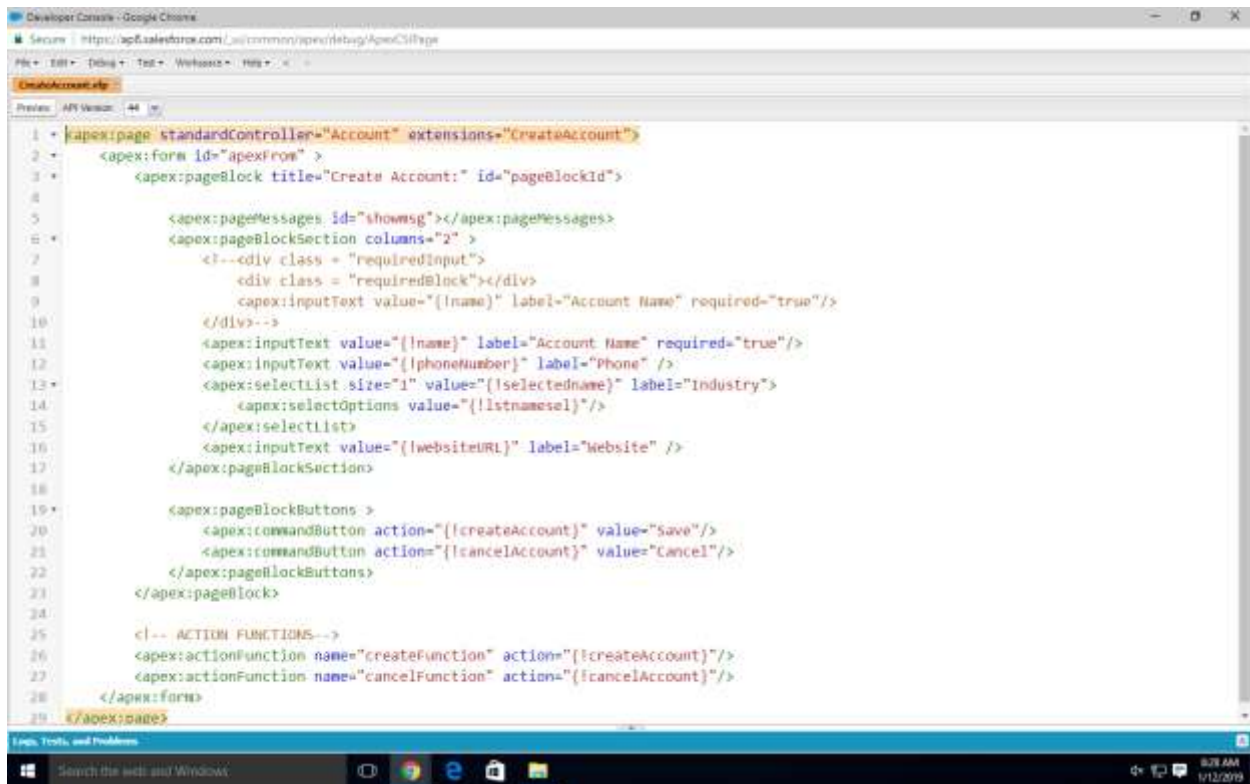
## Step No 7: Open a pages





## 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('testet 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 shows the Salesforce Developer portal interface. At the top, the browser address bar displays the URL: <https://developer.salesforce.com/developertools/overview>. The page header includes the Salesforce logo, a search bar, and navigation links: Home, Chatter, Libraries, Content, Subscriptions, and Quick Account. The main content area is titled 'Create Account' and features a form with the following fields:

- Account Name:** A text input field.
- Email:** A text input field.
- Phone:** A text input field.
- Website:** A text input field.
- Invitation:** A dropdown menu currently set to 'None'.

Below the form, there are 'Save' and 'Cancel' buttons. The left sidebar contains a 'Recent Items' section with links to 'Personal Library', 'Library', 'Test Account', 'Test', 'Library', 'Library', 'Library', and 'Library'. At the bottom of the sidebar is a 'Recycle Bin' link. The footer of the page contains copyright information: Copyright © 2000-2019 Salesforce.com, Inc. All rights reserved. | Privacy Statement | Security Statement | Terms of Use | Sitemap | Contact Us.

## Output

The screenshot shows a web browser window displaying a Salesforce account page for a user named 'prasad'. The browser's address bar shows the URL 'https://ap5.salesforce.com/001000002C806'. The page has a standard Salesforce navigation bar at the top with links for Home, Chatter, Libraries, Content, Subscriptions, and Quick Account. On the left, there is a sidebar with a 'Create New...' button and a list of recent items including 'prasad', 'Prasad Lohani', 'Prasad', 'Test Account', 'Test', 'Test', 'Test', and 'Business Services Core of Content'. Below this is a 'Recycle Bin' button. The main content area is titled 'prasad' and includes a 'New Feed' section with a 'Click to add topics' button. Below the feed is a 'Post' section with a text input field and a 'Share' button. To the right of the post is a 'Follow' button and a 'Followers' section. Below the post is a 'There are no updates' message. The 'Account Detail' section is visible, showing fields for 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 'Account Owner' field is set to 'Prasad Lohani (Chatter)'. The 'Account Name' field is set to 'prasad (View Hierarchy)'. The 'Rating' field is set to '1234567890'. The 'Phone' field is set to '1234567890'. The 'Fax' field is set to '1234567890'. The 'Website' field is set to 'http://prasad.com'. The 'Ticket Symbol' field is set to '1234567890'. The 'Ownership' field is set to '1234567890'. The 'Employee' field is set to '1234567890'. The 'SIC Code' field is set to '1234567890'. The 'Shipping Address' field is set to '1234567890'. The 'SLA' field is set to '1234567890'. The 'SLA Serial Number' field is set to '1234567890'. The 'Open Opportunity' field is set to '1234567890'. The 'Created By' field is set to 'Prasad Lohani, 11/11/2019 3:38 AM'. The 'Description' field is set to '1234567890'. The 'Custom Link' field is set to '1234567890'. The 'Last Modified By' field is set to 'Prasad Lohani, 11/11/2019 3:38 AM'. The page footer shows the Windows taskbar with the search bar and various application icons. The system clock in the bottom right corner shows '8:37 AM 11/12/2019'.

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 Services Core of Content

Recycle Bin

prasad

Customize Page | Edit Layout | Printable View | Help for this Page

New Feed Click to add topics

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

Edit Delete Hide-Details

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

Search the web and Windows

8:37 AM 11/12/2019