

Experiment No: 9

Title: Create custom app in salesforce lightning.

Aim: To understand the concepts of salesforce lightning and creating custom app by using it.

Theory:

Salesforce Lightning:

Lightning (Salesforce Lightning) is a component-based framework for Salesforce app development. Salesforce Lightning aims to simplify the Salesforce app development processes for business users, who typically do not have programming experience.

Salesforce Lightning comprises a collection of tools and technologies behind a significant upgrade to the Salesforce Platform (now known as App Cloud), the company's mobile app development platform (MADP).

Lightning features the Lightning Component Framework and some Salesforce application development tools. These tools help developers build mobile apps with advanced Salesforce Lightning page layouts.

Salesforce Lightning features:

Here are some key Salesforce Lightning features:

- **Experience Builder** is a graphical user interface (GUI) optimized for speed. Administrators can build robust communities using Lightning templates and components following a visual no-code development approach.
- **Lightning App Builder** follows a no-code development approach providing drag-and-drop capabilities to facilitate app creation and customization.
- **Lightning Component Framework** includes tools and extensions that enable the development of reusable components and standalone apps and Salesforce Mobile App customizations.
- **AppExchange** makes over 300 partner components available in the App Builder.

- **Design System** offers style guides and user experience (UX) best practices for app development.
- **Lightning Connect** is an integration tool that makes it easier for Salesforce apps to consume data from any external source that conforms to the Open Data Protocol (OData)

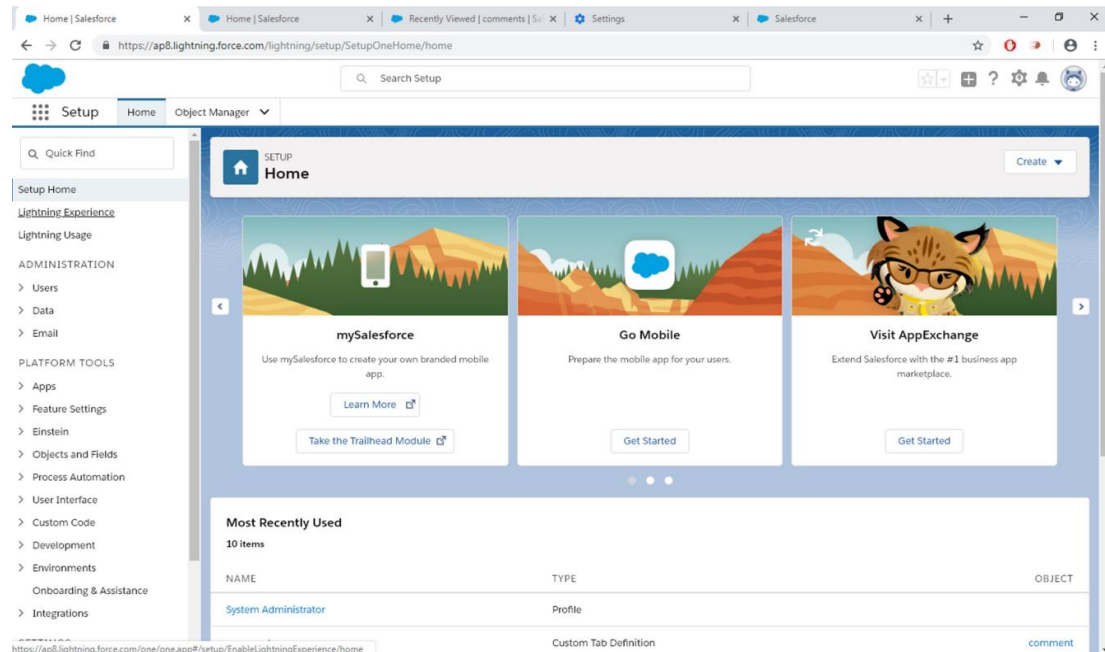
Lightning developers can also build custom reusable components that other administrators and developers can incorporate into their Lightning Experience and Salesforce mobile apps.

Salesforce Lightning benefits:

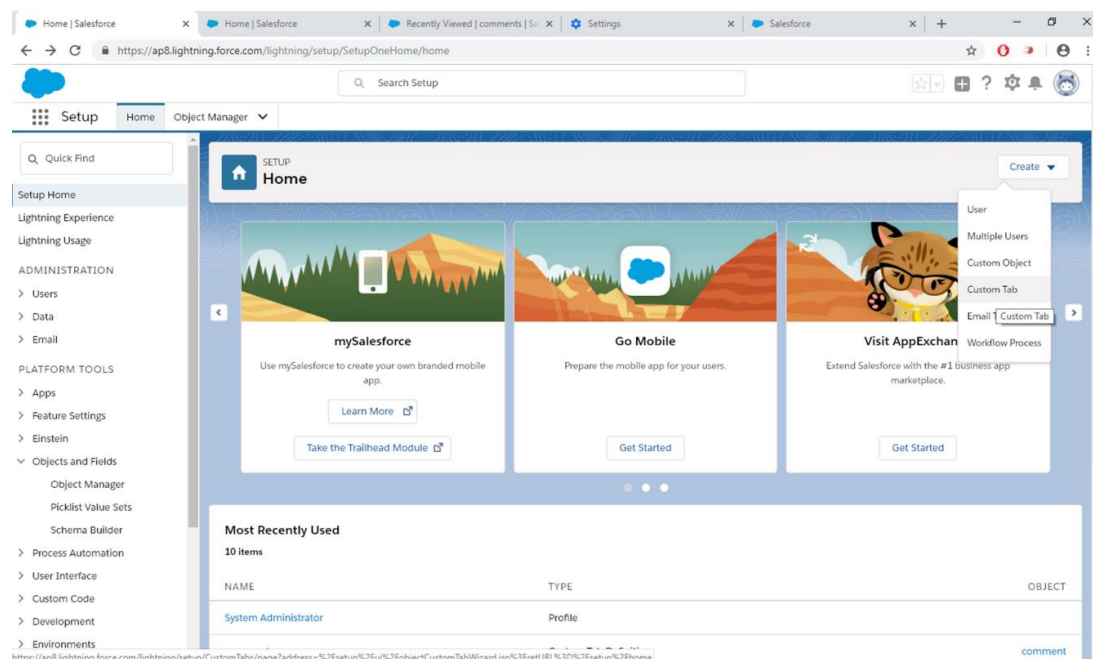
- The activity timeline helps track the activity and history of each account or sales lead.
- The artificial intelligence (AI) integration uses advanced protocols for lead scoring, opportunity scoring, and support for marketing resource assignment for the right customers or direct customer support.
- Expanded forecasting includes features like forecast sharing, revenue and quantity forecasts, territory forecasts, product and schedule date forecasts, and other customizable forecasts.
- There is greater security, with an additional security layer between the components and stronger authentication
- A comprehensive homepage features news, key deals, events, calendars, performance charts and customizable dashboards.
- Mobile optimization ensures optimal responsiveness across mobile devices and browsers.
- Workspace page layout lets users customize and design new types of pages

Practical:

Click on Lightning Experience and Click on Setup and select Setup for current App.



Click on Create an Object So Click on Object Manager Tab next to Home Tab
Click on Create –Custom Object



Step-4 New custom object page Open Label as a-Comment Plural label-comments

Object Manager | Salesforce x Home | Salesforce x Recently Viewed | comments | 5 x Settings x Salesforce x + -

https://ap8.lightning.force.com/lightning/setup/ObjectManager/new

Search Setup

Setup Home Object Manager

SETUP New Custom Object

Permissions for this object are disabled for all profiles by default. You can enable object permissions in permission sets or by editing custom profiles. [Tell me more!](#) [Don't show this message again](#)

Custom Object Definition Edit Save Save & New Cancel

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports.

Label Example: Account

Plural Label Example: Accounts

Starts with vowel sound ☐

The Object Name is used when referencing the object via the API.

Object Name Example: Account

Description

Context Sensitive Help Setting ☒ Open the standard Salesforce.com Help & Training window ☐ Open a window using a Visualforce page

Content Name

Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, lookups, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.

Record Name Example: Account Name

Data Type

Give Record Name as –comment name Data type- text Select Allow Reports
Check Box Click on Save

Object Manager | Salesforce x Home | Salesforce x Recently Viewed | comments | 5 x Settings x Salesforce x + -

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Record Name Example: Account Name

Data Type

Optional Features

☒ Allow Reports

☐ Allow Activities

☐ Track Field History

☐ Allow in Chatter Groups

Object Classification

When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more.](#)

☒ Allow Sharing

☒ Allow Bulk API Access

☒ Allow Streaming API Access

Deployment Status

☐ In Development ☒ Deployed [What is this?](#)

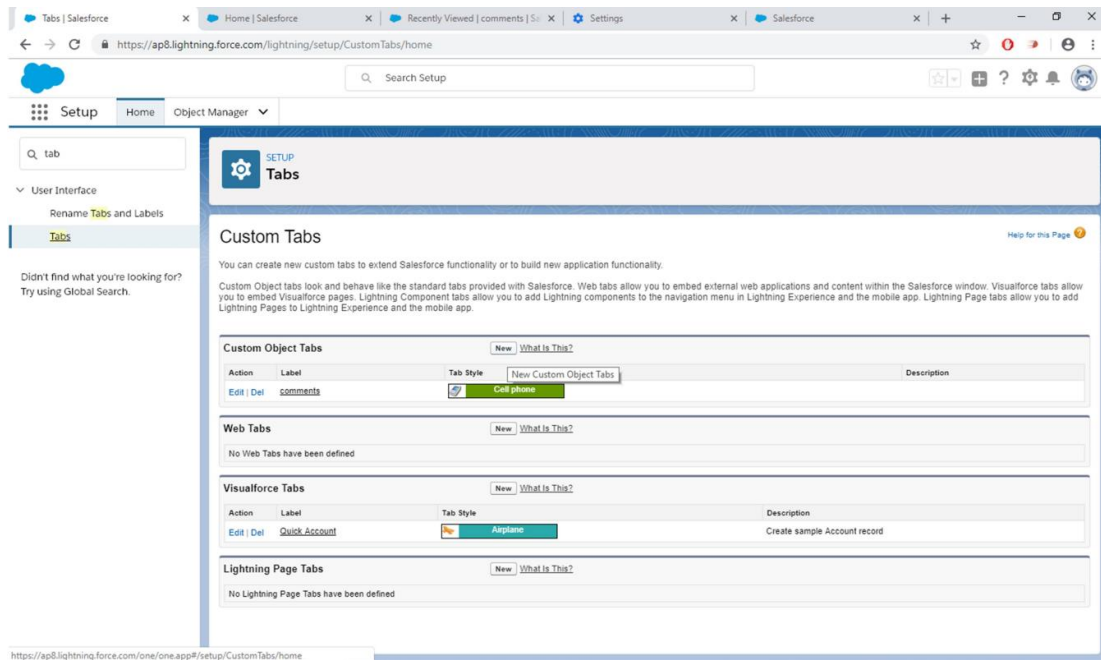
Search Status

When this setting is enabled, your users can find records of this object type when they search. [Learn more.](#)

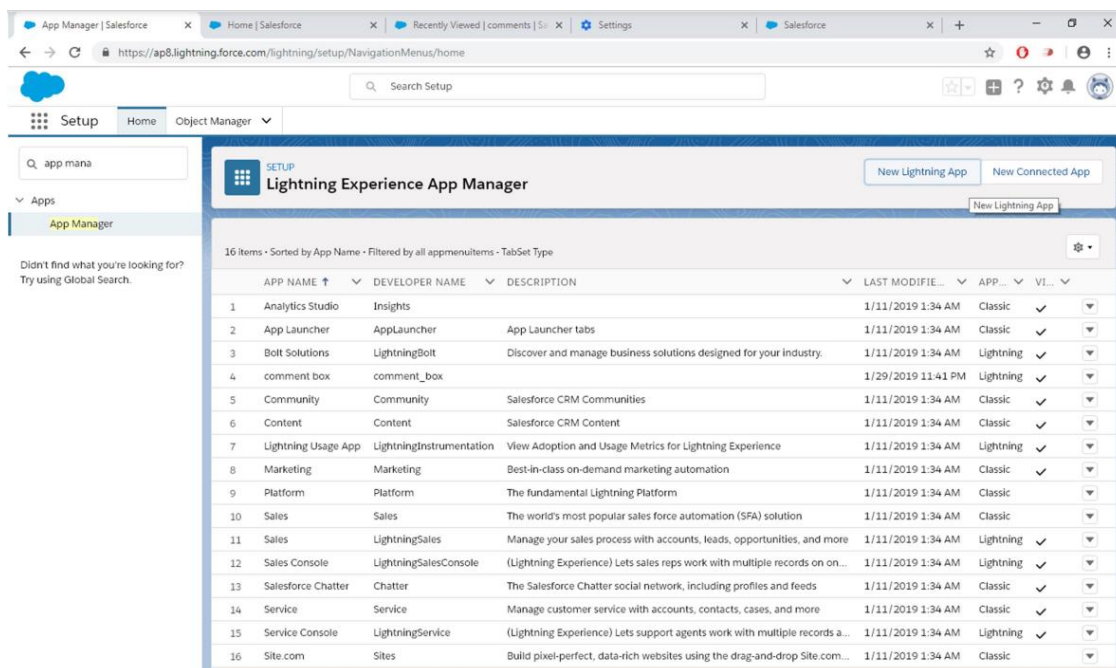
☒ Allow Search

Object Creation Options (Available only when custom object is first created)

Click on Home-Search Tabs in Quick search Select Custom Object-Click on
New



For Object Select Comment For Tab Style Select Any Icon Click-Next-Next-Save and Search App Manager in Quick Search and select app manager



Enter name to app name Click on Next-Next-Next. Select Items (Contacts, Comment) Click on Next

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

* App Name
Complete this field.

* Developer Name

Description

App Branding

Image Upload

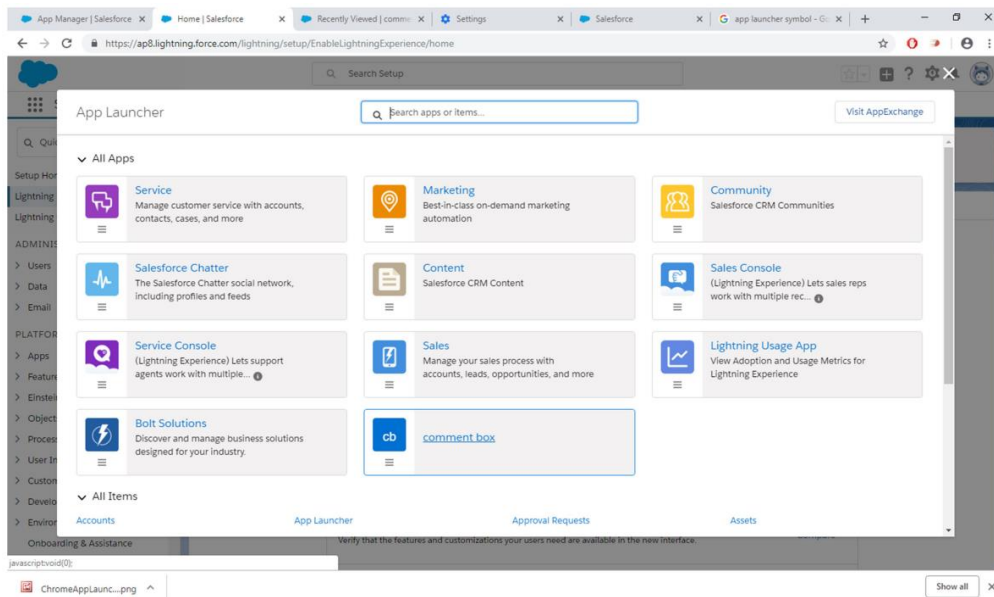
Primary Color Hex Value #0070D2

Org Theme Options
☐ Use the app's image and color instead of the org's custom theme

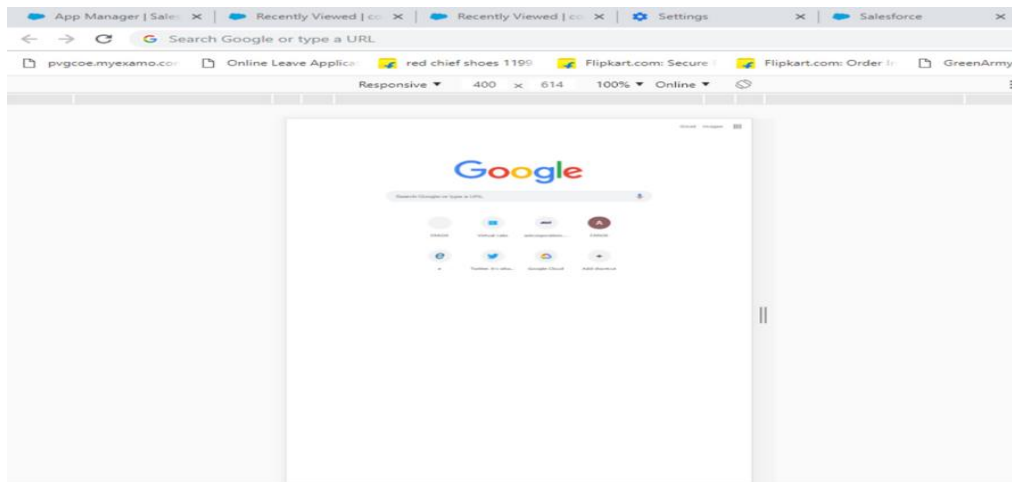
App Launcher Preview

Next

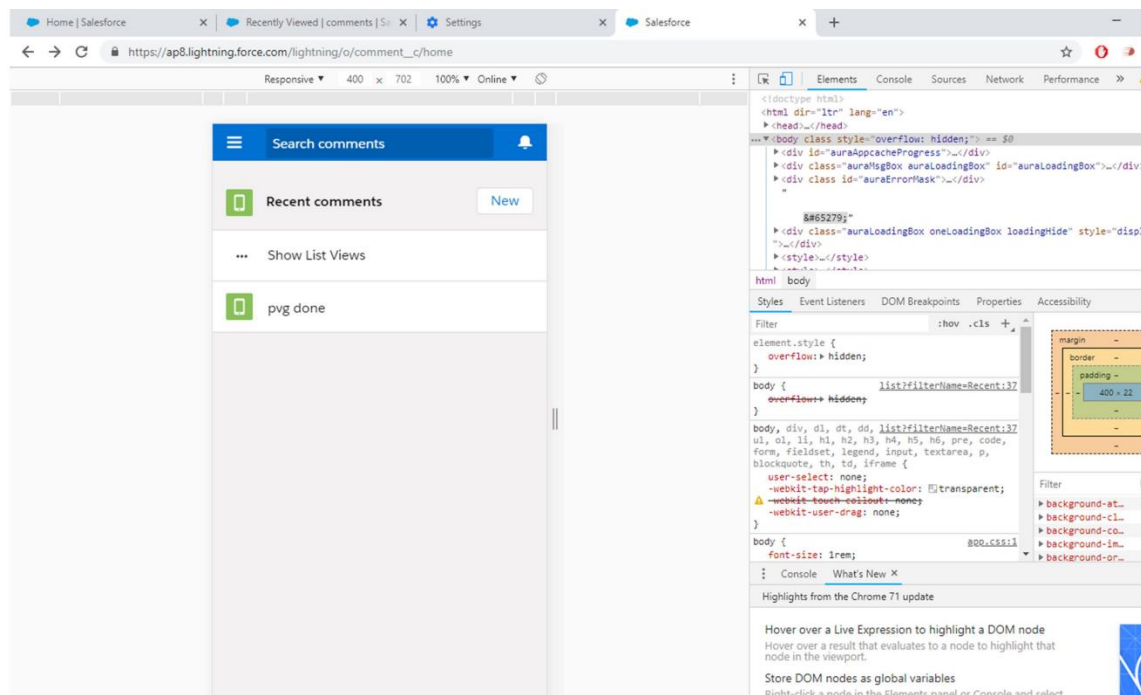
Step-9 Click on App Launcher Symbol and Select Comment Box App



Try out mobile app -Select Chrome developer tools -Open Chrome-Right Click on Chrome page- Select Inspect -Click Toggle Device Mode Button to simulate your browser as a mobile device



To simulate the sales force mobile app in your browser, copy and paste in url from previous tab. Delete the part of the url immediately. -Click on Left navigation bar -Find comment object under recent and click on it -Click new to create a comment



Conclusion: Thus, custom app in salesforce lightning created successfully.