

Retail Management Application Using Salesforce

1. INTRODUCTION

1.1 Overview

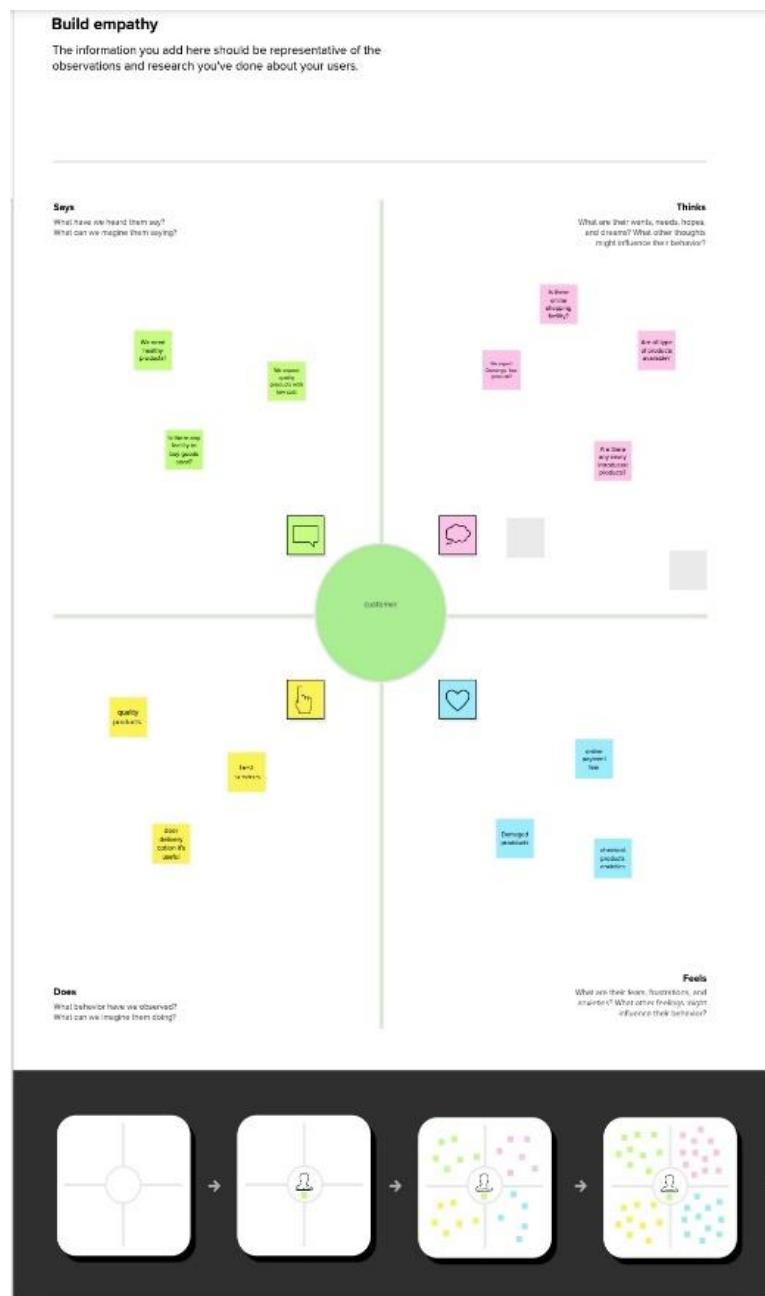
Retailing encompasses the business activities involved in selling goods and services to consumers for their personal, family, or household etc. A CRM product owner has requested to create two applications, one is a sales app for sales reps to use this application and store customers data, and the second application is a service app for service reps/agents to provide support to customers in dealing cases. To generate business on top of the customers.

1.2 Purpose

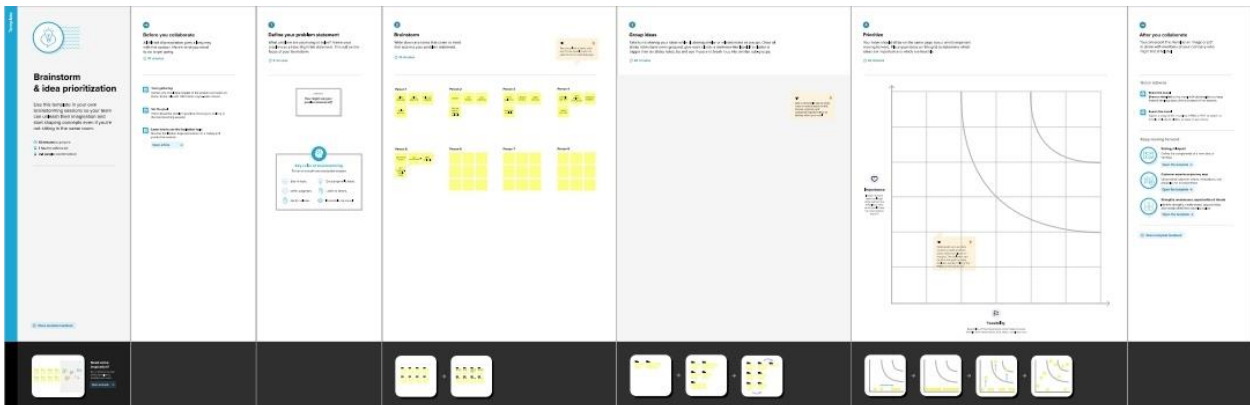
Retail management includes all the steps required to bring the customers into the store and fulfil their buying needs. Retail management makes shopping a pleasurable experience and ensures the customers leave the store with a smile. In simpler words, retail management helps customers shop without any difficulty.

2. ProblemDefinition&DesignThinking

1.3 Empathy



1.4 Ideation & Brainstorming Map



3. RESULT

Application	Object	Description
	Campaign	We do promotions by using this object
	Leads	We capture leads here
	Accounts	We capture customers data
Sales app	Contracts	Employees data of customer
	Opportunities	SMB sales orders data
	Products	Here we store product details i.e electronic types
	Warehouse	We capture stocks data
	Sales order	This is an actual order which has invoice details
	Dispatch /tracking	Orders dispatch related info will be stored here

Application	Object	Description
Service app	Cases	Historical problems of customers will be stored here
	Accounts	We capture customers data

1.3 Activity & screen shot

Screenshot of the Salesforce Setup Home page. The page shows navigation tabs (Setup, Home, Object Manager) and a search bar. The main content area includes sections for "Get Started with Einstein Bots", "Mobile Publisher", and "Real-time Collaborative Docs". Below these is a "Most Recently Used" table listing recent items.

NAME	TYPE	OBJECT
Dispatch/Tracking	Custom Object Definition	
Dispatched	Custom Field Definition	Dispatch/Tracking
Expected date of delivery	Custom Field Definition	Dispatch/Tracking
Sales order	Custom Field Definition	Dispatch/Tracking
Tracking id	Custom Field Definition	Dispatch/Tracking
	Custom Object Definition	

1.

Screenshot of the Salesforce Setup Object Manager page for the "Account" custom object. The page shows the "Details" tab with fields for "Custom Object Information", "The Object Name", "Description", "Context Sensitive Help Setting", "Enter Record Name Label and Format", and "Optional Features".

Custom Object Information

The singular and plural labels are used in tabs, page layouts, and reports. Be careful when changing the name or label as it may affect existing integrations and merge templates.

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

Context 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:

Optional Features

☒ Allow Reports
☐ Allow Activities
☐ Track Field History
☐ Allow in Chatter Groups
☐ Enable Licensing

WhatsApp

Downloads

Dispatch/Tracking | Salesforce

gaasct-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w0000048Q2H/Details/view

Search Setup

Setup Home Object Manager

Setup > OBJECT MANAGER

Dispatch/Tracking

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Details

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List View Button Layout

Restriction Rules

Scoping Rules

Triggers

Flow Triggers

Validation Rules

Description

Orders dispatch related info will be stored here

API Name

Dispatch_Tracking__c

Custom

✓

Singular Label

Dispatch/Tracking

Plural Label

Dispatch/Tracking

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

WhatsApp

Downloads

Dispatch/Tracking | Salesforce

gaasct-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0112w0000048Q2H/FieldsAndRelationships/view

Search Setup

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Setup > OBJECT MANAGER

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Fields & Relationships

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Dispatch/Tracking Name	Name	Text(80)		✓
Dispatched	Dispatched__c	Text(100)		
Expected date of delivery	Expected_date_of_delivery__c	Text(100)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User Group)		✓
Sales order	Sales_order__c	Text(100)		
Tracking id	Tracking_id__c	Text(100)		

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Dispatch/Tracking | Salesforce

gaasct-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w0000048Q2H/FieldsAndRelationships/00N2w00000aqZtn/edit

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Edit Dispatch/Tracking Custom Field

Dispatched

Help for this Page

Custom Field Definition Edit

Change Field Type Save Cancel

Field Information

Field Label Dispatched

Field Name Dispatched

Description

Help Text

Data Owner User

Field Usage --None--

Date Sensitivity Level --None--

Compliance Categorization

Available

Chosen

General Options

Required

Unique

External ID

Default Value

Text Options

Length 100

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Dispatch/Tracking | Salesforce

gaasct-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w0000048Q2H/FieldsAndRelationships/new

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Auto Number

Formula

Roll-Up Summary

Lookup Relationship

Master Detail Relationship

External Lookup Relationship

Checkbox

Currency

Date

Date/Time

Email

Geolocation

Number

Percent

Phone

Picklist

Picklist (Multi-Select)

Text

Text Area

Text Area (Long)

Text Area (Rich)

Text (Encrypted)

Time

A system-generated sequence number that uses a display format you define. The number is automatically incremented for each new record.

A read-only field that derives its value from a formula expression you define. The formula field is updated when any of the source fields change.

A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.

Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.

Creates a special type of parent-child relationship between this object (the child, or "detail") and another object (the parent, or "master") where:

The relationship field is required on all detail records.

The parent and sharing of a detail record are determined by the master record.

When a user deletes the master record, all detail records are deleted.

You can create roll-up summary fields on the master record to summarize the detail records.

The relationship field allows users to click on a lookup icon to select a value from a popup list. The master object is the source of the values in the list.

Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.

Allows users to select a True (checked) or False (unchecked) value.

Allows users to enter a dollar or other currency amount and automatically formats the field as a currency amount. This can be useful if you export data to Excel or another spreadsheet.

Allows users to enter a date or pick a date from a popup calendar.

Allows users to enter a date and time, or pick a date from a popup calendar. When users click a date in the pop-up, that date and the current time are entered into the Date/Time field.

Allows users to enter an email address, which is validated to ensure proper format. If this field is specified for a contact or lead, users can choose the address when clicking Send an Email. Note that custom email addresses cannot be used for mass emails.

Allows users to define locations. Includes latitude and longitude components, and can be used to calculate distance.

Allows users to enter any number. Leading zeros are removed.

Allows users to enter a percentage number, for example, "10" and automatically adds the percent sign to the number.

Allows users to enter any phone number. Automatically formats it as a phone number.

Allows users to select a value from a list you define.

Allows users to select multiple values from a list you define.

Allows users to enter any combination of letters and numbers.

Allows users to enter up to 255 characters on separate lines.

Allows users to enter up to 131,072 characters on separate lines.

Allows users to enter formatted text, add images and links. Up to 131,072 characters on separate lines.

Allows users to enter any combination of letters and numbers and store them in encrypted form.

Allows users to enter a local time. For example, "12:40 PM", "14:40", "14:40:00", and "14:40:50.800" are all valid times for this field.

Dispatch/Tracking | Salesforce

gaasct-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/012w000048Q2H/FieldsAndRelationships/new

Setup Home Object Manager

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Validation Rules

New Relationship

Step 3. Enter the label and name for the lookup field

Field Label: Sales order

Field Name: Sales_order

Description:

Help Text:

Child Relationship Name: Dispatch_Tracking

Sharing Setting: ☐ Read Only: Allows users with at least Read access to the Master record to create, edit, or delete related Detail records. ☒ Read/Write: Allows users with at least Read/Write access to the Master record to create, edit, or delete related Detail records.

Allow reparenting: ☐ Child records can be reparented to other parent records after they are created.

Auto add to custom report type: ☒ Add this field to existing custom report types that contain this entity.

Lookup Filter

Optionally, create a filter to limit the records available to users in the lookup field. [Tell me more](#)

[Show Filter Settings](#)

app mana

Apps

App Manager

Didn't find what you're looking for? Try using Global Search.

Lightning Experience App Manager

New Lightning App New Connected App

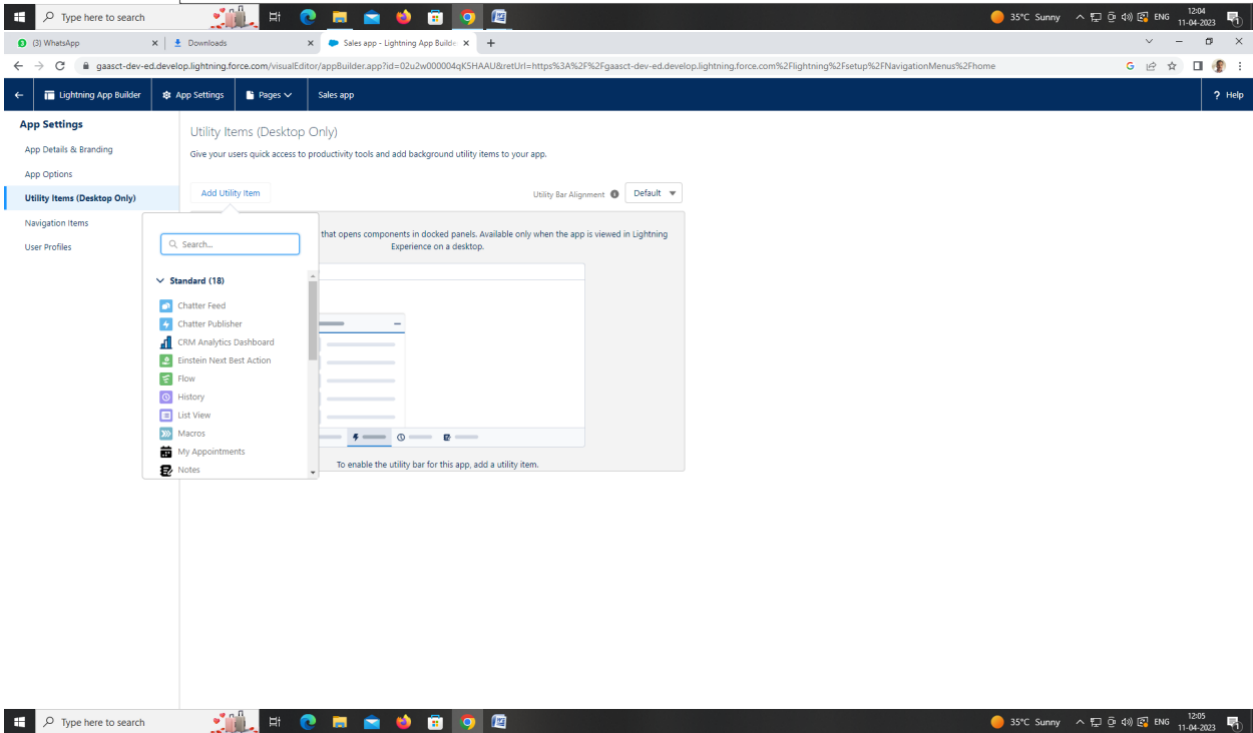
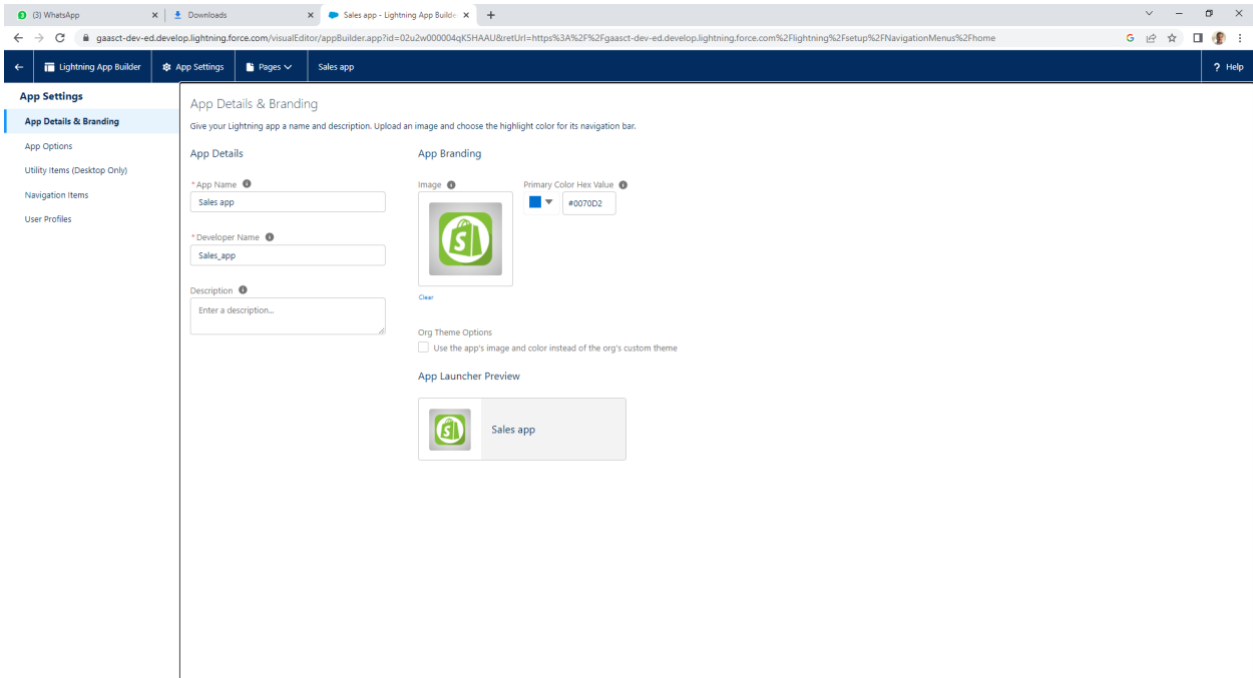
Clone Apps(Beta)

Quickly create new Lightning apps by cloning existing apps. To use the beta feature, indicate that you've read all legal requirements and agree to participate by toggling Enable App Cloning. See additional details and terms in the [Winter '23 release notes](#).

Enable App Cloning ☐ Disabled

22 items • Sorted by App Name • Filtered by All app menu items • TabSet Type

	App Name ↑	Developer Name	Description	Last Modified Date	App Type	Visibl...
1	All Tabs	AllTabSet		03/03/2023, 12:19 pm	Classic	
2	Analytics Studio	Insights	Build CRM Analytics dashboards and apps	03/03/2023, 12:19 pm	Classic	✓
3	App Launcher	AppLauncher	App Launcher tabs	03/03/2023, 12:19 pm	Classic	✓
4	Bolt Solutions	LightningBolt	Discover and manage business solutions designed for your industry.	03/03/2023, 12:22 pm	Lightning	✓
5	Community	Community	Salesforce CRM Communities	03/03/2023, 12:19 pm	Classic	✓
6	Content	Content	Salesforce CRM Content	03/03/2023, 12:19 pm	Classic	✓
7	Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	03/03/2023, 12:19 pm	Lightning	✓
8	Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	03/03/2023, 12:19 pm	Lightning	✓
9	Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	03/03/2023, 12:19 pm	Lightning	✓
10	Marketing	Marketing	Best-in-class on-demand marketing automation	03/03/2023, 12:19 pm	Classic	✓
11	Platform	Platform	The fundamental Lightning Platform	03/03/2023, 12:19 pm	Classic	✓
12	Queue Management	QueueManagement	Create and manage queues for your business.	03/03/2023, 12:19 pm	Lightning	✓
13	Sales	Sales	The world's most popular sales force automation (SFA) solution	03/03/2023, 12:19 pm	Classic	✓
14	Sales	LightningSales	Manage your sales process with accounts, leads, opportunities, and more	03/03/2023, 12:23 pm	Lightning	✓
15	Sales app	Sales_app		08/04/2023, 10:03 am	Lightning	✓
16	Sales Console	LightningSalesConsole	(Lightning Experience) Lets sales reps work with multiple records on one screen	03/03/2023, 12:19 pm	Lightning	✓



App Settings

- App Details & Branding
- App Options
- Utility Items (Desktop Only)
- Navigation Items
- User Profiles**

User Profiles

Choose the user profiles that can access this app.

Available Profiles

- Analytics Cloud Integration User
- Analytics Cloud Security User
- Authenticated Website
- Authenticated Website
- Contract Manager
- Custom: Marketing Profile
- Custom: Sales Profile
- Custom: Support Profile
- Customer Community Login User
- Customer Community Plus Login User
- Customer Community Plus User
- Customer Community User
- Customer Portal Manager Custom
- Customer Portal Manager Standard
- External Apps Login User
- External Identity User
- Force.com - App Subscription User

Selected Profiles

- System Administrator
- Standard Platform User

Custom Tabs

User Interface

- Loaded Console Tab Limit
- Rename Tabs and Labels
- Custom Tabs**

Didn't find what you're looking for?
Try using Global Search.

SETUP Tabs

Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs			New What is This?	
Action	Label	Tab Style	Description	
Edit Del	Accounts	Books		
Edit Del	Accounts	Factory		
Edit Del	Accounts	Alphabet		
Edit Del	Class	Form		
Edit Del	Contacts	iPhone		
Edit Del	Dispatch/Truckers	Mail		
Edit Del	Leads	Shopping		
Edit Del	opportunities	Alarm clock		
Edit Del	Parents	People		
Edit Del	products	Apple		
Edit Del	Sales order	Map		
Edit Del	Students	People		
Edit Del	Warehouse	Box		
Edit Del	Warehouse	Books		

Web Tabs

No Web Tabs have been defined

Visualforce Tabs

No Visualforce Tabs have been defined

WhatsApp Downloads Account | Salesforce

gaasct-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/Account/ValidationRules/view

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Validation Rules

1 Items, Sorted by Rule Name

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
phone_number_has_international_format	Phone	+91 6374528149	✓	mani kandan, 06/04/2023, 8:41 am

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gaasct-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/Account/ValidationRules/03d2w000000dwAo/edit

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Account Validation Rule

Define a validation rule by specifying an error condition and a corresponding error message. The error condition is written as a Boolean formula expression that returns true or false. When the formula expression returns true, the save will be aborted and the error message will be displayed. The user can correct the error and try again.

Validation Rule Edit

Save Save & New Cancel

Rule Name: phone_number_has_international_format

Active: ☒

Description:

Error Condition Formula

Example: `Discount_Percent__c > 30` More Examples...

Display an error if Discount is more than 30%.

If this formula expression is true, display the text defined in the Error Message area.

Insert Field Insert Operator

`LEFT (Phone, 1) <> "+"`

Check Syntax

Functions

-- All Function Categories --

- ABS
- ACOS
- ADDMONTHS
- AND
- ASCII
- ASIN

Insert Selected Function

ABS(number)

Returns the absolute value of a number: a number without its sign.

Help on this Function

Error Message

Example: `Discount percent cannot exceed 30%`

This message will appear when Error Condition formula is true

Error Message: `+91 6374528149`

This error message can either appear at the top of the page or below a specific field on the page.

Salesforce Setup - Object Manager - Contact

Fields & Relationships

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Account Name	Accountid	Lookup(Account)		✓
Account Website	Account_Website__c	Formula (Text)		
Assistant	AssistantName	Text(40)		
Asst. Phone	AssistantPhone	Phone		
Birthdate	Birthdate	Date		
Clean Status	CleanStatus	Picklist		✓
Contact Owner	OwnerId	Lookup(User)		✓
Created By	CreatedById	Lookup(User)		
Data.com Key	Jigsaw	Text(20)		
Department	Department	Text(80)		
Description	Description	Long Text Area(32000)		
Do Not Call	DoNotCall	Checkbox		
Email	Email	Email		✓
Email Opt Out	HasOptedOutOfEmail	Checkbox		
Fax	Fax	Fax		
Fax Opt Out	HasOptedOutOfFax	Checkbox		
Gender Identity	GenderIdentity	Picklist		

Salesforce Setup - Object Manager - Contact - Account Website

Custom Field Definition Edit

Field Information

Field Label: Account Website

Field Name: Account_Website

Description:

Help Text:

Date Owner: User

Field Usage: --None--

Date Sensitivity Level: --None--

Compliance Categorization: Available (PII, HIPAA, GDPR, PCI) / Chosen

Formula Options

Formula Return Type: Text

Enter your formula and click Check Syntax to check for errors. Click the Advanced Formula subtab to use additional fields, operators, and functions. Example: {Full Name} & Last Name & { } & First Name. More Examples.

Select Field Type: Contact

Insert Field: Account Website (Text)

Insert Operator:

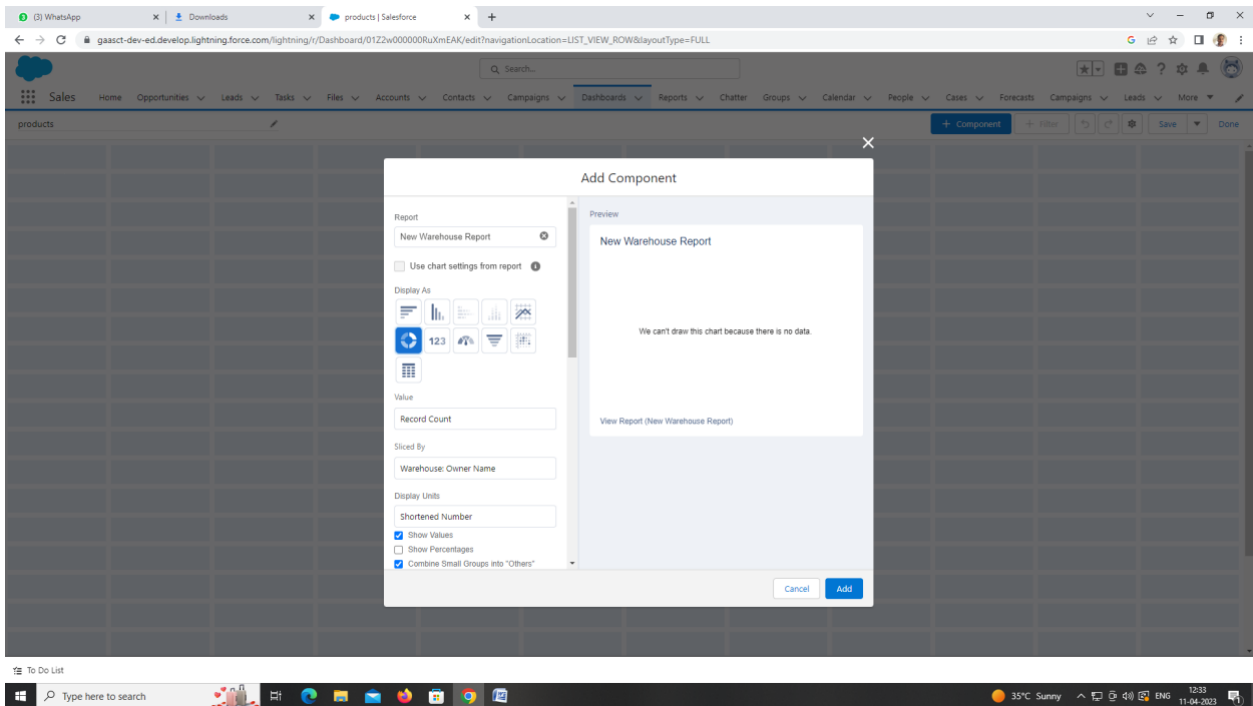
Salesforce Reports interface showing a list of recent reports. The interface includes a navigation bar with tabs like Sales, Home, Opportunities, Leads, Tasks, Files, Accounts, Contacts, Campaigns, Dashboards, Reports, Chatter, Groups, Calendar, People, Cases, Forecasts, Campaigns, Leads, and More. The Reports section is active, displaying a table of recent reports.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	New Warehouse Report		Private Reports	mani kandan	10/4/2023, 9:49 am	

Left sidebar options: Created by Me, Private Reports, Public Reports, All Reports, FOLDERS, All Folders, Created by Me, Shared with Me, FAVORITES, All Favorites.

Salesforce Reports interface showing the "Create Report" dialog box. The dialog box is titled "Create Report" and contains a "Select a Report Type" section. The "Category" is set to "All". The "Report Type Name" and "Category" columns are visible, listing various report types and their categories.

Category	Report Type Name	Category
Recently Used		
All		
Accounts & Contacts	Accounts	Standard
Opportunities	Contacts & Accounts	Standard
Customer Support Reports	Accounts with Partners	Standard
Leads	Account with Account Teams	Standard
Campaigns	Accounts with Contact Roles	Standard
Activities	Accounts with Assets	Standard
Contracts and Orders	Contacts with Assets	Standard
Price Books, Products and Assets	Account History	Standard
Administrative Reports	Contact History	Standard
File and Content Reports	D&B Company with and without Accounts	Standard
Individuals	Opportunities	Standard
Other Reports	Opportunities with Products	Standard
Hidden Report Types	Opportunities with Contact Roles	Standard
	Opportunities with Partners	Standard
	Opportunities with Competitors	Standard
	Opportunity History	Standard



4. Trailhead Profile Public URL

Team lead-<https://trailblazer.me/id/mkandan65>

Team Member 1-<https://trailblazer.me/id/abirami1011>

Team Member 2-<https://trailblazer.me/id/devika1014>

Team Member 3-<https://trailblazer.me/id/santhana1023>

Team Member 4-<https://trailblazer.me/id/thilaga24>

5. ADVANTAGES & DISADVANTAGE

ADVANTAGES:

1. Less Capital Requirement

It does not require huge investment to start retail business. Retailers buy goods from wholesalers in small quantity and sell to ultimate customers. It does not need large space to store goods. So, retailing can be commenced with little investment.

2. More Profit Margin

There is fixed margin of profit for wholesalers. Generally they earn 3% to 8% profit on sale. But there is no fixed margin for retailers, shopkeepers may fix profit margin up to 20% in some cases.

3. Credit Facility

Another benefit of retailers is that they get credit facility from wholesalers or dealers. But they sell products on cash which helps to maintain adequate liquidity in the business.

4. Better Customer Relation

Retailing is directly linked with the customers. Retailers can understand the interests, preferences and buying behavior of customers. It helps to build better customer relation and loyalty.

5. No Liability

In case of faulty or defective products, the manufacturer should replace the product. So, retailers do not need to bear the loss

DISADVANTAGES:

1. High Marketing Cost

Retailers should make investment in decoration of shop and display of goods to attract more customers. So, it requires more marketing or advertising cost than wholesalers.

2. Selling Skill Required

It requires good selling skill to attract customers. Retailers should possess the art of good communication and convincing power to influence consumers.

3. Very High Competition

Another disadvantage of retailing is that there is tough competition in the market because several retailers sell similar types of products. So, it is difficult to remain in the competitive environment.

4. No Economies Of Buying

Retailers buy small volume of products from wholesalers. So, they miss the opportunity to enjoy the benefit of economies of buying.

5. It Requires Proper Location

It is difficult to find out proper location to start retail store. It requires highly dense area with fewer competitors.

APPLICATIONS:

1.Home

2.Industries

CONCLUSION:

It is important to note that value is not static, but rather a dynamic concept that builds over time and can radically change due to alterations in market dynamics or consumer needs. For this reason, it is vital for retailers to identify trends that can change consumer behavior and adjust their offering accordingly.

Retail concept should be at the core of every retailer's strategy and therefore understanding where the customer value stems from has an enormous impact on how a retailer will succeed. Consumer value is constructed from the difference between benefits and sacrifices. In a retail setting, the objective price and the effort needed to acquire a product is the sacrifice where as value of the product and the shopping experience is the benefit received. Whenever benefits outweigh sacrifices the consumer will engage in purchasing behaviour, given that they recognise the need or desire for a product or service

FUTURE SCOPE:

The retail sector in the country is currently booming, providing plenty of career prospects for people with a passion for sales marketplaces, business diversification, campaigning, advertising, market research, and segmentation. With the continuous expansion of the retail industry, there is a growing demand for retail courses that will prepare students to cope with the tactics, procedures, and methods that will help them generate more sales and customer satisfaction. Retail management has become one of the fastest-growing occupations in the industry as the economy has grown significantly. The retail industry in India is the most appealing and fastest-growing in the world, demanding an increase in competent expertise in this discipline.

It intends to create a new generation of international-caliber smart retail experts by providing them with global best practices.