Phase 8: Data Management & Deployment

PROJECT TITLE:-

Expense On a Page: An expense approval & insight system.

Industry: Finance / Corporate Expense Management. *Target User:* Employees, Managers, and Finance Teams.

DATA IMPORT WIZARD:-

Data Import Wizard is a simple UI tool to import data that is up to 50,000 records

Importing Data for Expense__c Object:

1. Creating a CSV File for the Expense_c Object that will be Imported to the Salesforce.

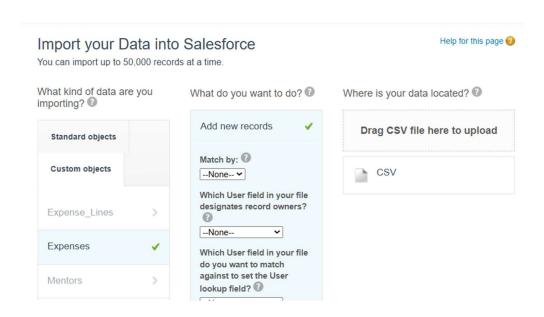


2. Importing the made csv file just made with the help of the Data Import Wizard.

Going to setup> Data import wizard> Lauch Wizard

Object: Expense__c

What do you want do: Add new Record Upload the CSV file: Expense_c.csv

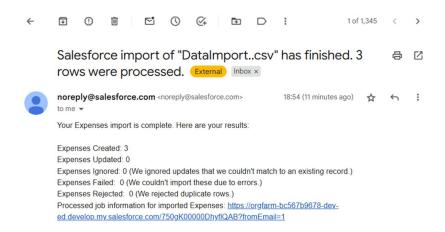


mapping the fields Accordingly.

Edit	Mapped Salesforce Object	CSV Header
Change	Status	Status_c
Change	Total Amount	Total_Amountc
Change	Expense Detail	Expense_Detailc

Start Import-> import completed.

Process Completed:



Importing Data for Expense_Line__c Object:

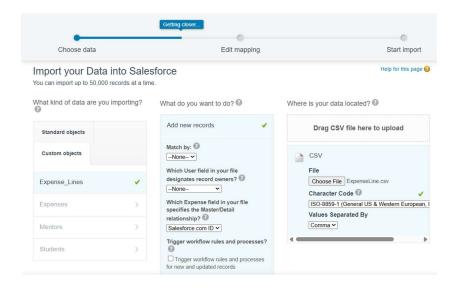
 Creating a CSV File for the Expense_Line__c Object that will be Imported to the Salesforce.

△ A	В	С	D	Е
1 Expensec	Categoryc	Amountc	Receipt_IDc	Receipt_URLc
2 a02gK000005Sc13QAC	Travel	300	R-1001	http something
3 a02gK000005Sc13QAC	Meals	200	R-1002	hbkbjnkn
4 a02gK000005kziOQAQ	Office	250	R-1003	bbnlniluh
5				

2. Importing the made csv file just made with the help of the Data Import Wizard. Going to setup> Data import wizard> Lauch Wizard

Object: Expense_Line__c

What do you want do: Add new Record Upload the CSV file: Expense_Line.csv

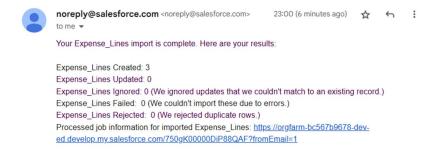


Mapping the fields accordingly

Edit	Mapped Salesforce Object	CSV Header
Change	Expense	Expensec
Change	Category	Categoryc
Change	Amount	Amountc
Change	Receipt ID	Receipt_IDc
Change	Receipt URL	Receipt_URLc

Start Import-> import completed.

Process Completed:



DATA LOADER:-

Data Loader is an externally used app that is used fir bulk data import/export that can be used to handle up to 5M records.

Using it to export data of Expense object for backup:

Google search -> salesforce dataloader -> signing in with salesforce credential.

New Task -> Export ->

Object: Expense__c

Field: Record ID

Created Date

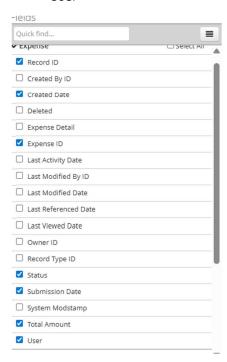
Expense ID

Status

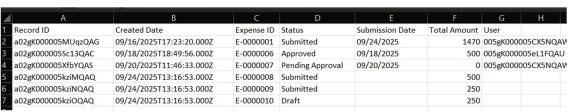
Submission Date

Total Amount

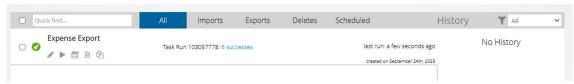
User



Saving and running it



(the exported data)



(Export Success notification from the data loader)

DUPLICATE RULE:-

This is the feature in salesforce that prevent you from making duplicate records in the object

Creating a Matching Rule for the expense Object:

Object: Expense

Rule Name: Expense - Receipt ID Exact
Unique Name: Expense_Receipt_ID_Exact
Matching Criteria: Expense Detail -> Exact

Matching Rule

Expense - Receipt ID Exact



Matching Rule	e Detail		
Object	Expense		
Rule Name	Expense - Receipt ID Exact		
Unique Name	Expense_Receipt_ID_Exact		
Description			
Matching Criteria	Expense: Expense_Detail EXACT MatchBlank = FALSE		
Status	Inactive		
Created By	Anisha Lamba, 9/24/2025, 11:43 Modified By Anisha Lamba, 9/24/2025, 11:43 AM		

Creating a Duplicate Rule for the Expense Object:

Object: Expense

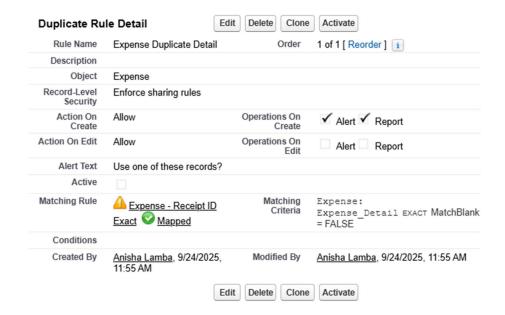
Rule Name: Expense Duplicate Detail

Record-Level Security: Enforce Sharing Rule
Action On Create: Allow with alert and report

Action On Edit: Allow

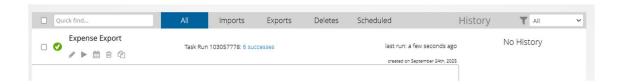
Matching Rule: Expense - Receipt ID Exact

Save



DATA EXPORT AND BACKUP:-

Previously in the Phase we did the export of the data of the Expense object using the the Data Loader



And we saved the exported data as the form of backup in our system.



CHANGE SET:-

It is used for the one click deployment of the project from the sandbox to Production which we will not be needing now.

UNMANAGED VS MANAGED PACKAGES:-

Managed: This is used for AppExchange, versioning, locked Components.

Unmanaged: For internal projects to share the whole project with other team to get

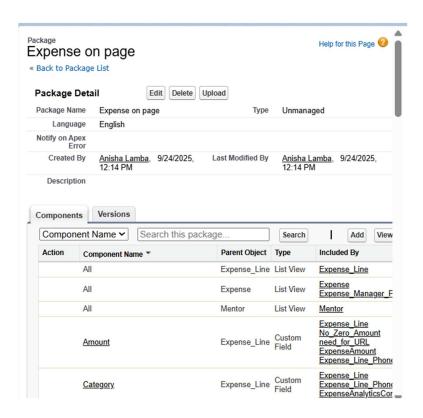
through.

Let's make a sample package for the project:

Package -> New

Package Name: Expense on page Configure Custom Link: None

Component: Adding the Expense Management App



ANT MIGRATION TOOL:-

Not needed for now

VS CODE & SFDX

Setting Up the VS code for the Salesforce:

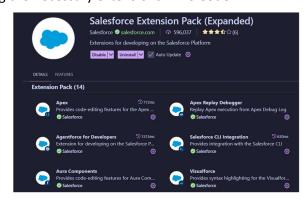
1. Installing JDK (Java Development Kit)

Linux macOS Windows		
Product/file description	File size	Download
x64 Compressed Archive	204.30 MB	https://download. 25_windows-x64_
x64 Installer	182.25 MB	https://download. 25_windows-x64_
x64 MSI Installer	181.02 MB	https://download. 25_windows-x64_

2. Installing Salesforce CLI for integration



3. Installing the necessary extensions in VS Code:



4. Authorizing the salesforce org with vs code



5. Creating a new project SBTCS

