

BUILD AN EMPLOYEE TRAVEL APPROVAL APPLICATION FOR CORPORATES

Date	27.04.2023
Team ID	NM2023TMID08125
Project Name	BUILD AN EMPLOYEE TRAVEL APPROVAL APPLICATION FOR CORPORATES
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1 INTRODUCTION

1.1 Overview

Description about the project

The Travel Support System (this is the name that you can see on the screen when executing the application) is a small sample application for Natural ONE. As a sample application, its focus is to show Natural ONE functionality rather than being a full-fledged travel support application.

The Travel Support System (TSS) allows you to request and approve business trips. Flights, hotels and even more external information such as cell phone expenses or car rentals can be entered with the trip request. For the destination, weather information can be queried. A manager can do both, request own trips as well as approve trips that have been requested by employees. After the manager has approved single or multiple requests, the manager can print an itinerary or receive the itinerary as a PDF file.

1.2 Purpose

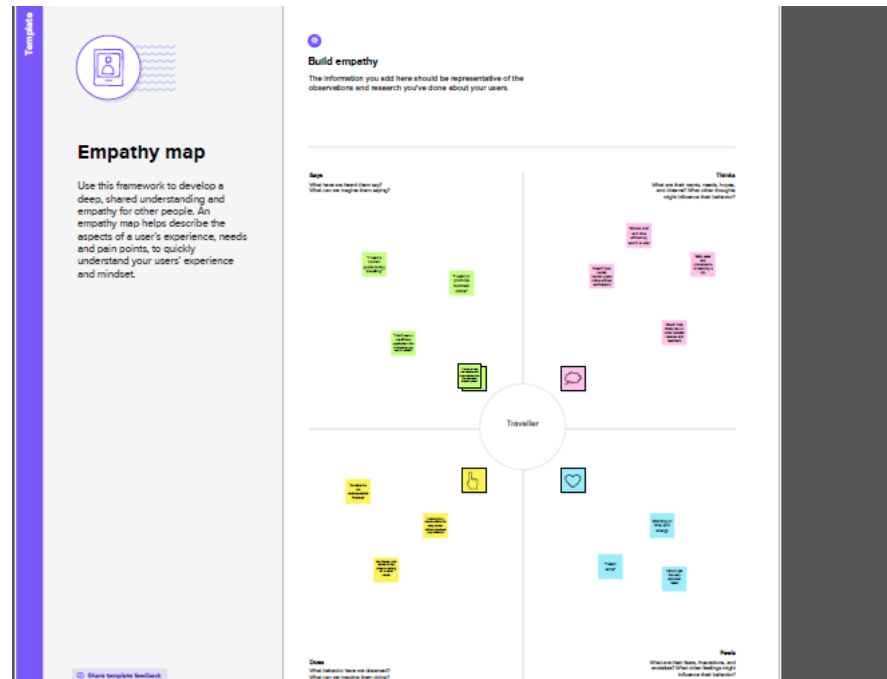
Travel Approval is the initial step of the travel process where employees raise travel requests to be approved by respective approvers.

The main objective of pre-trip approval is to control undesirable travel buying behaviours of employees and cost. The approver verifies the travel request according to the travel policy of the corporate and decides to approve or decline.

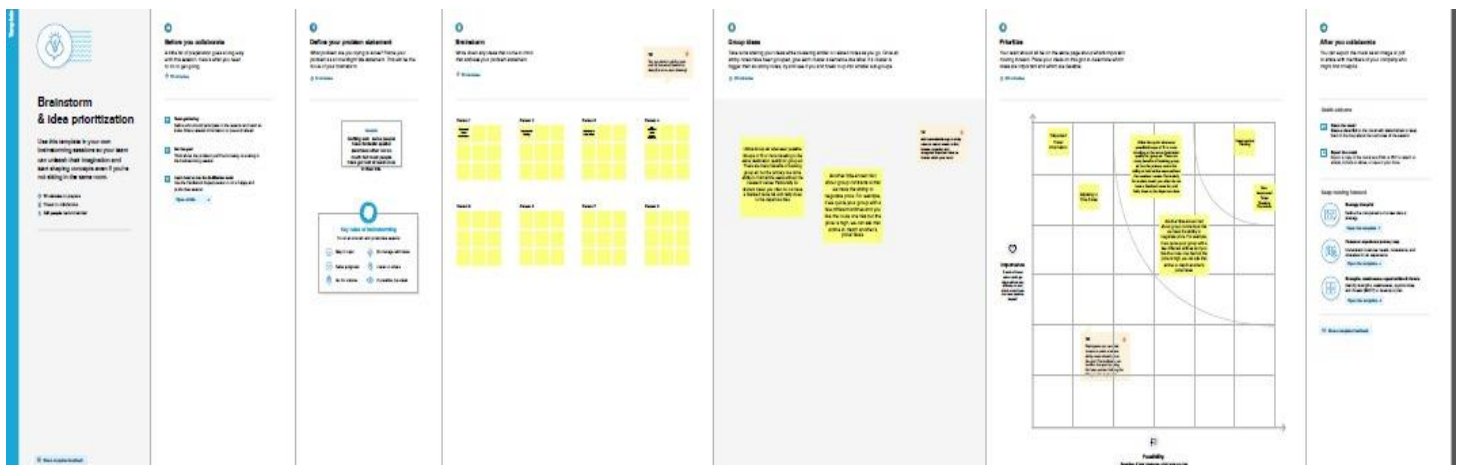
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2 PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



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3 RESULT

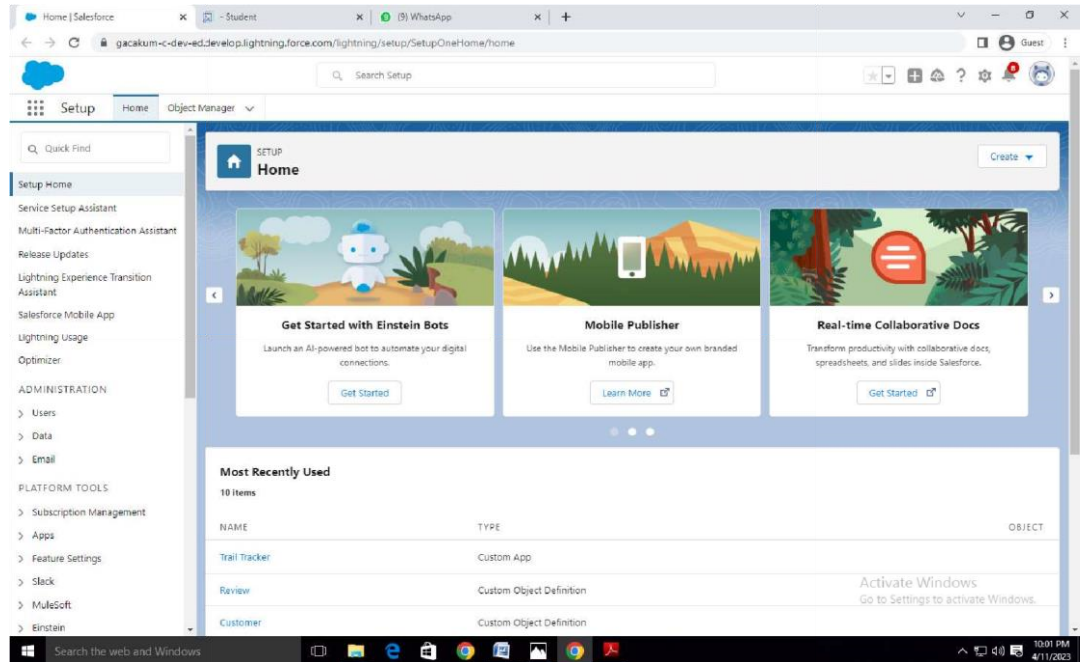
3.1 Data Model

Object Name	Fields in the Object	
	Field Label	Date Type
Job Posting Site	Department	URL
	Travel Approval	URL
	Expense Item	URL
	Reports	URL
	Dashboards	URL
Review	-	-

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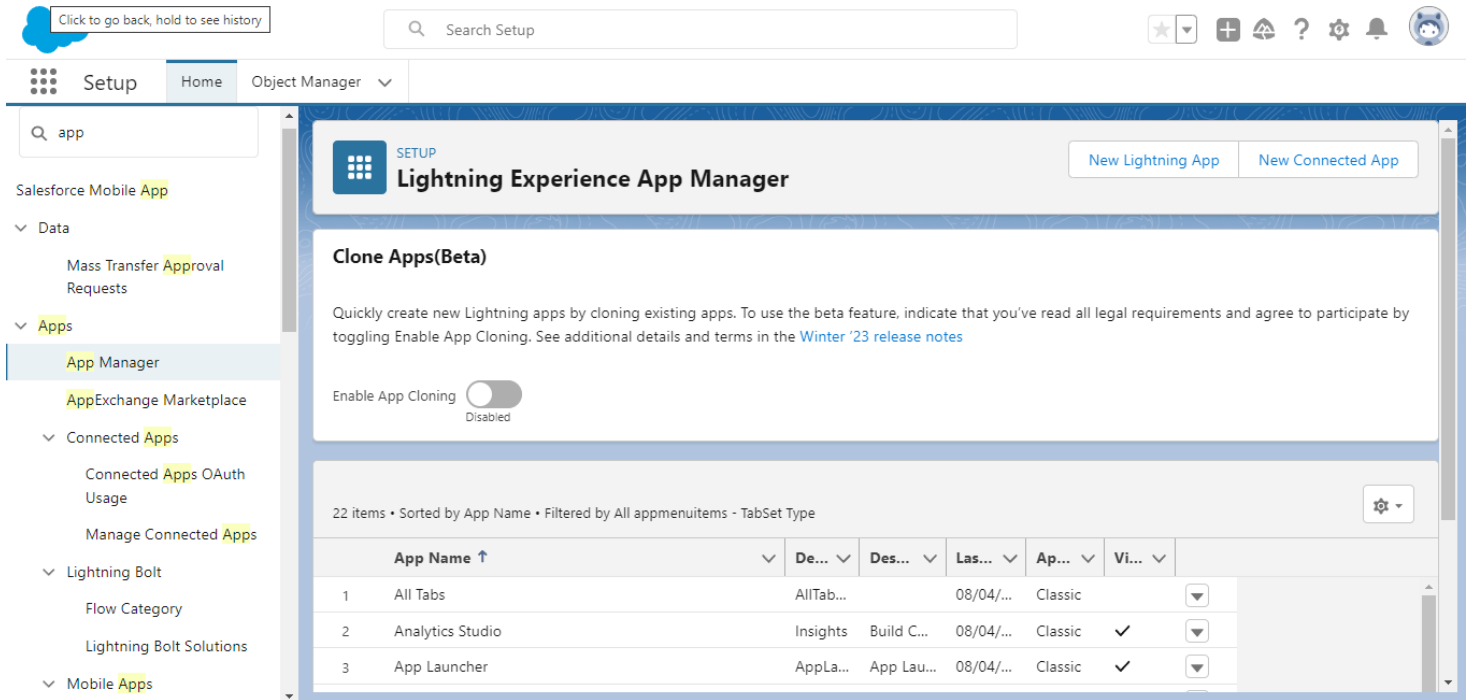
3.2 Activity & Screenshot

Milestone 1:



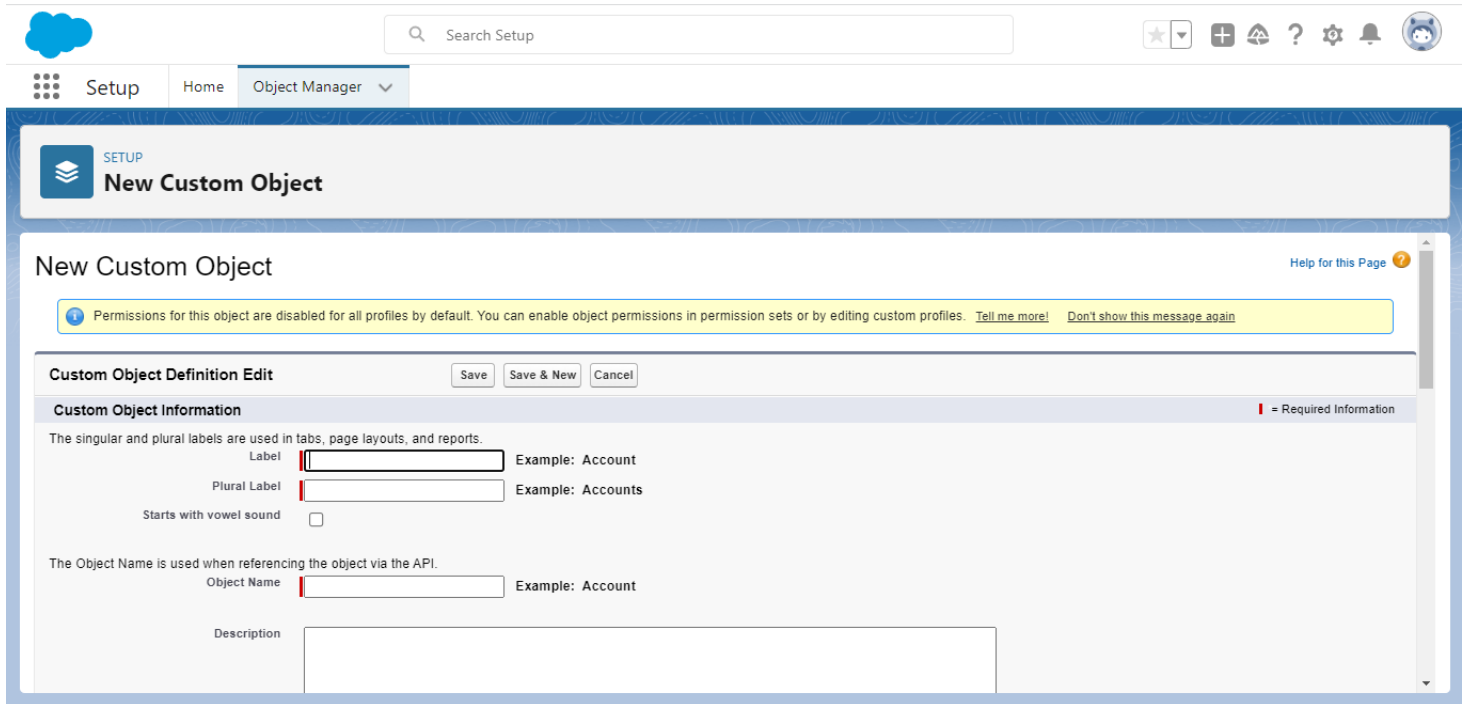
Creation of Salesforce Account.

Milestone 2:

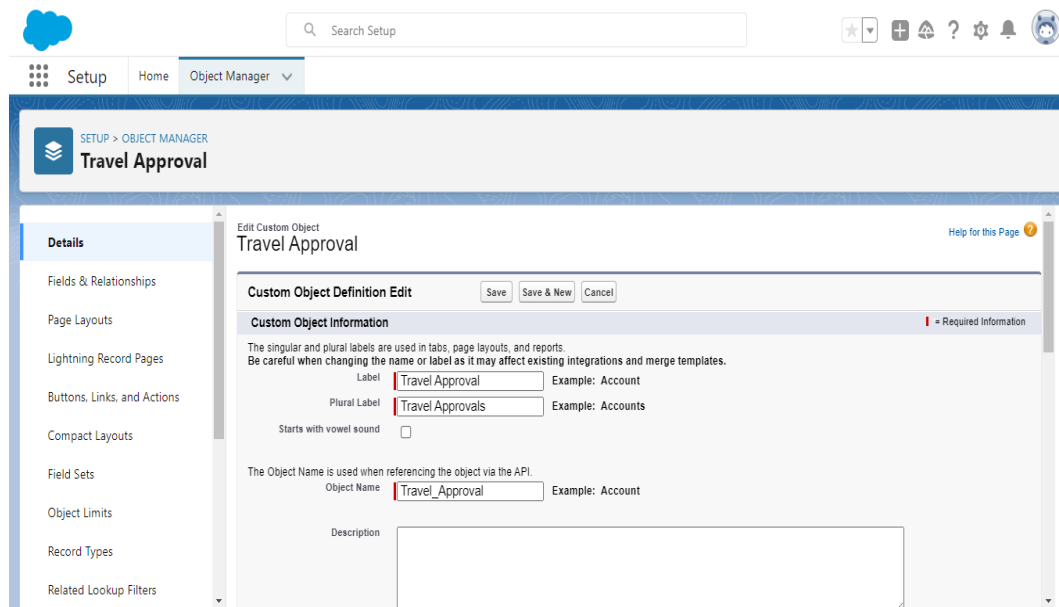


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Milestone 3:



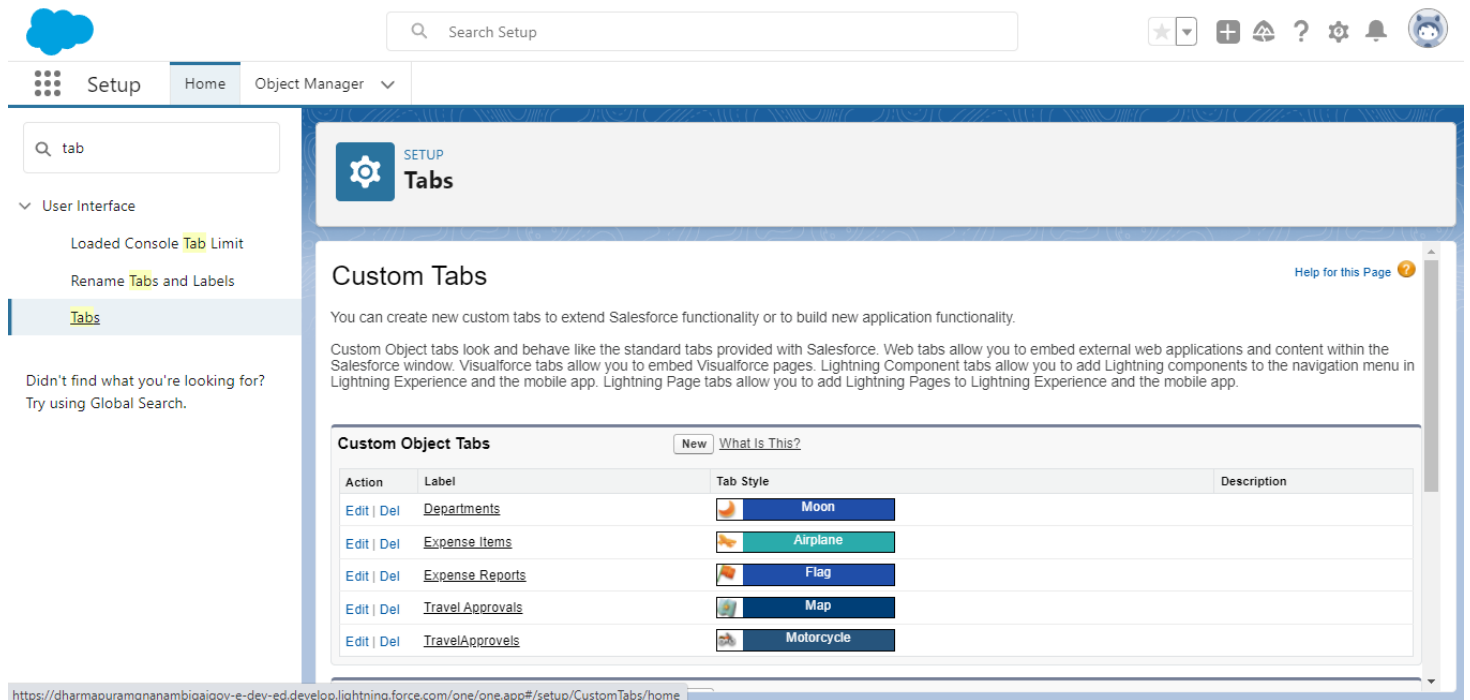
The screenshot shows the 'New Custom Object' page in the Salesforce Setup interface. The top navigation bar includes the 'Setup' menu, a search bar, and various utility icons. The main header displays 'New Custom Object' with a 'SETUP' icon. A yellow information banner at the top states: 'Permissions 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](#)'. Below this is the 'Custom Object Definition Edit' section with 'Save', 'Save & New', and 'Cancel' buttons. The 'Custom Object Information' section includes instructions on labels and the object name, followed by input fields for 'Label' (Example: Account), 'Plural Label' (Example: Accounts), 'Object Name' (Example: Account), and a 'Description' field. A 'Starts with vowel sound' checkbox is also present.



The screenshot shows the 'Edit Custom Object' page for 'Travel Approval' in the Salesforce Setup interface. The top navigation bar is identical to the previous screenshot. The main header shows 'Travel Approval' under 'SETUP > OBJECT MANAGER'. A left sidebar contains a 'Details' menu with options: 'Fields & Relationships', 'Page Layouts', 'Lightning Record Pages', 'Buttons, Links, and Actions', 'Compact Layouts', 'Field Sets', 'Object Limits', 'Record Types', and 'Related Lookup Filters'. The main content area is titled 'Edit Custom Object Travel Approval' and features the 'Custom Object Definition Edit' section with 'Save', 'Save & New', and 'Cancel' buttons. The 'Custom Object Information' section includes instructions and a warning: 'Be careful when changing the name or label as it may affect existing integrations and merge templates.' It contains input fields for 'Label' (Travel Approval, Example: Account), 'Plural Label' (Travel Approvals, Example: Accounts), 'Object Name' (Travel_Approval, Example: Account), and a 'Description' field. A 'Starts with vowel sound' checkbox is also present.

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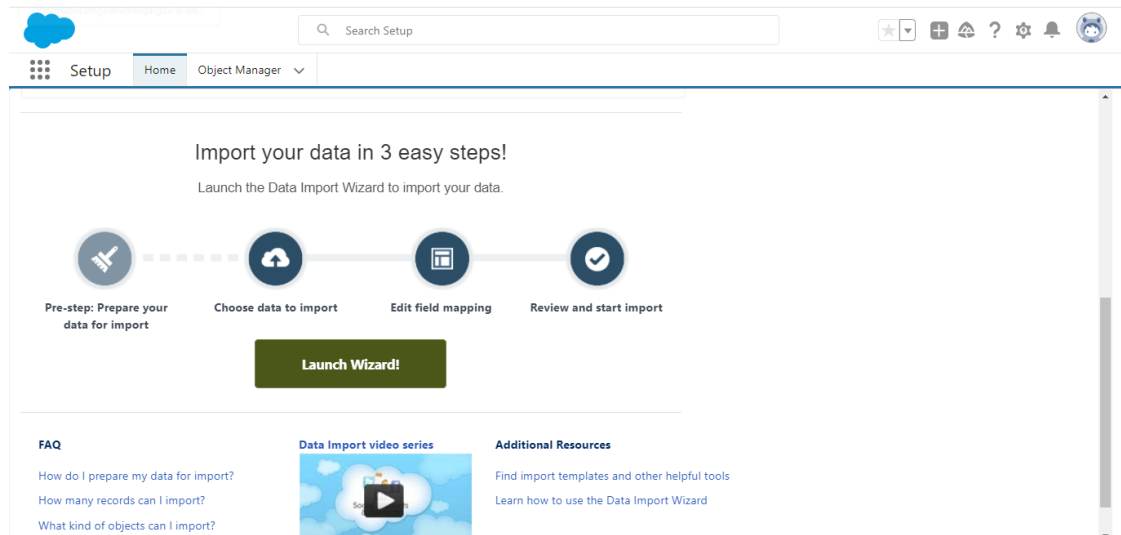
Milestone 4 :



The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with "tab" entered and a list of navigation items: User Interface, Loaded Console Tab Limit, Rename Tabs and Labels, and Tabs (selected). The main content area is titled "Custom Tabs" and includes a "Help for this Page" link. Below the title is a paragraph explaining that custom tabs can extend Salesforce functionality. A table titled "Custom Object Tabs" lists existing tabs with columns for Action, Label, Tab Style, and Description.

Action	Label	Tab Style	Description
Edit Del	Departments	Moon	
Edit Del	Expense Items	Airplane	
Edit Del	Expense Reports	Flag	
Edit Del	Travel Approvals	Map	
Edit Del	TravelApprovals	Motorcycle	

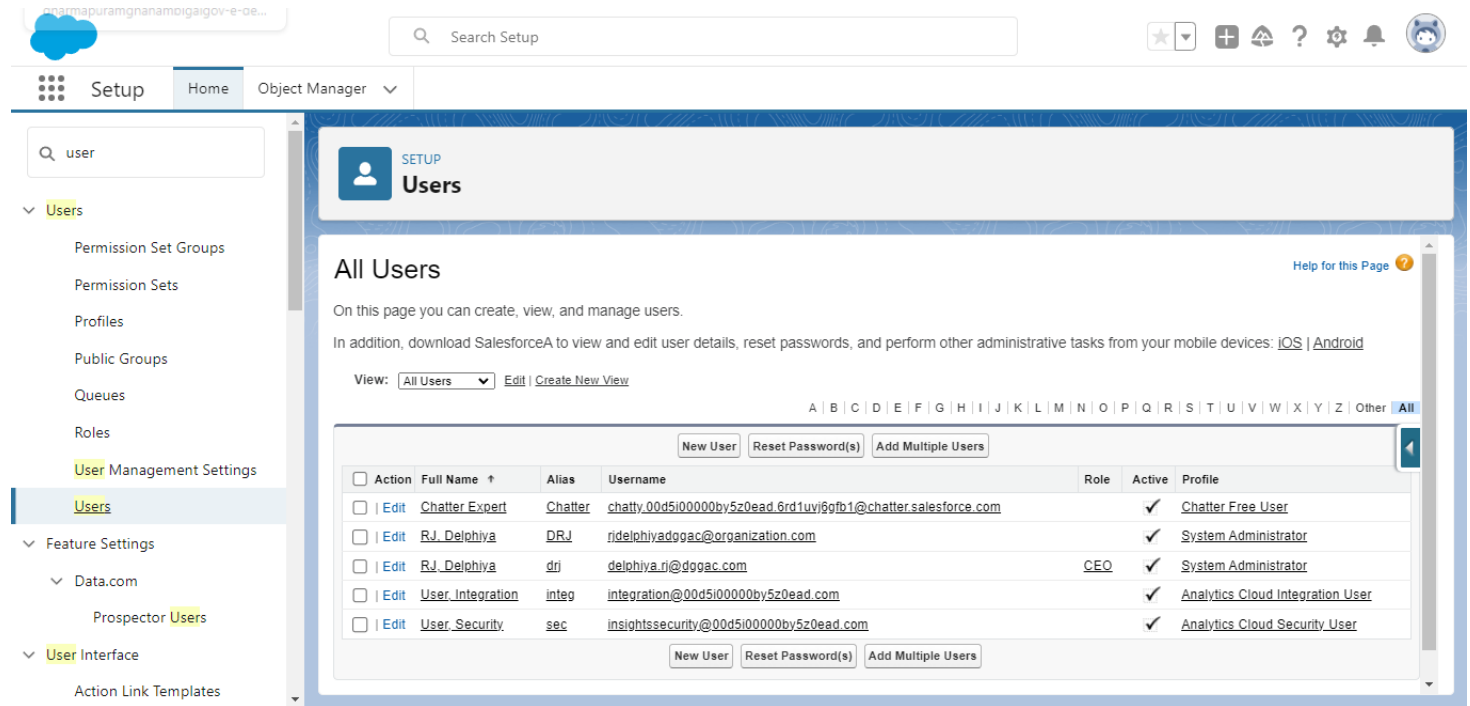
Milestone 5:



The screenshot shows the Salesforce Data Import Wizard page. The main heading is "Import your data in 3 easy steps!" followed by the instruction "Launch the Data Import Wizard to import your data." Below this is a four-step process flow: Pre-step: Prepare your data for import, Choose data to import, Edit field mapping, and Review and start import. A "Launch Wizard!" button is prominently displayed. At the bottom, there are sections for "FAQ", "Data Import video series" (with a video player thumbnail), and "Additional Resources".

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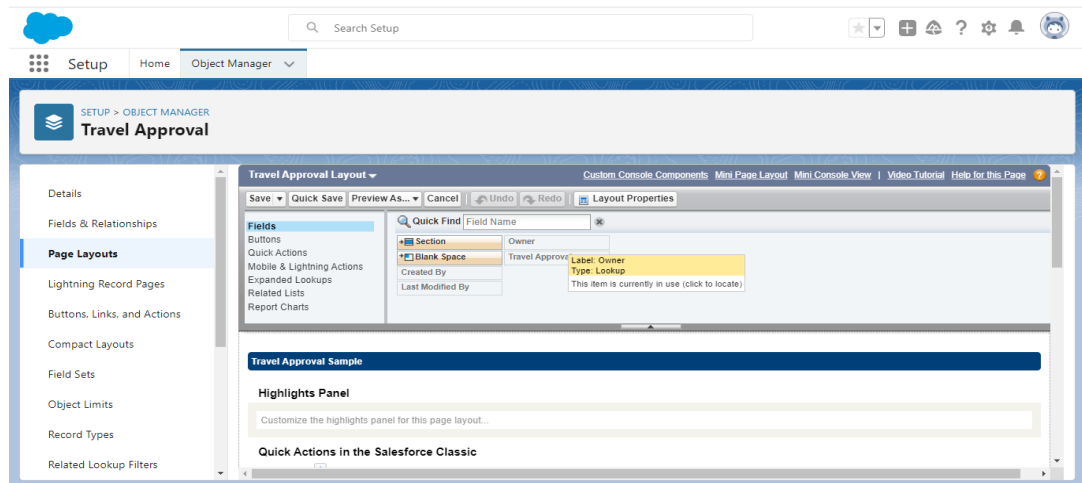
Milestone 6:



The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains a navigation menu with options like 'Permission Set Groups', 'Permission Sets', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', 'Users', 'Feature Settings', 'Data.com', 'Prospector Users', and 'User Interface'. The main content area is titled 'All Users' and includes a search bar, a 'Search Setup' field, and a 'Help for this Page' link. Below the title, there is a description of the page and a list of users. The users are listed in a table with columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The table contains five rows of user data.

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Chatter Expert	Chatter	chatty_00d5i00000by5z0ead.6rd1uvf69fb1@chatter.salesforce.com		✓	Chatter Free User
Edit	RJ Delphiya	DRJ	ridelphiyaadogac@organization.com		✓	System Administrator
Edit	RJ Delphiya	dri	delphiya.ri@dggac.com	CEO	✓	System Administrator
Edit	User Integration	integ	integration@00d5i00000by5z0ead.com		✓	Analytics Cloud Integration User
Edit	User Security	sec	insightssecurity@00d5i00000by5z0ead.com		✓	Analytics Cloud Security User

Milestone 7:

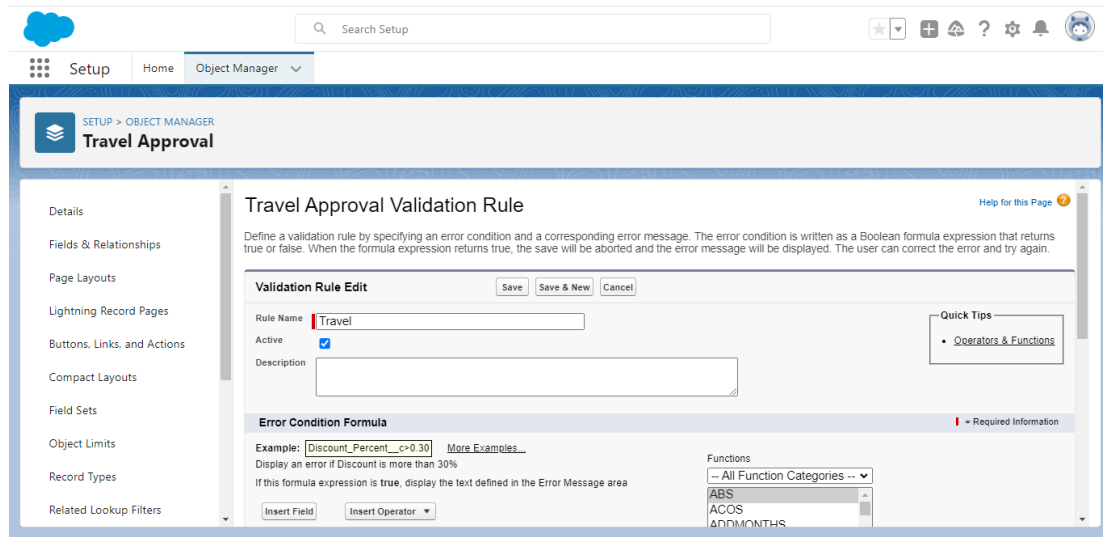


The screenshot shows the Salesforce Setup interface for the 'Travel Approval' layout. The left sidebar contains a navigation menu with options like 'Details', 'Fields & Relationships', 'Page Layouts', 'Lightning Record Pages', 'Buttons, Links, and Actions', 'Compact Layouts', 'Field Sets', 'Object Limits', 'Record Types', and 'Related Lookup Filters'. The main content area is titled 'Travel Approval Layout' and includes a 'Save' button, a 'Quick Find' field, and a 'Layout Properties' link. Below the title, there is a description of the layout and a list of fields. The fields are listed in a table with columns for Field Name, Type, and Label. The table contains three rows of field data.

Field Name	Type	Label
Section	Owner	Travel Approver
Blank Space	Label	Owner
Created By	Type	Lookup

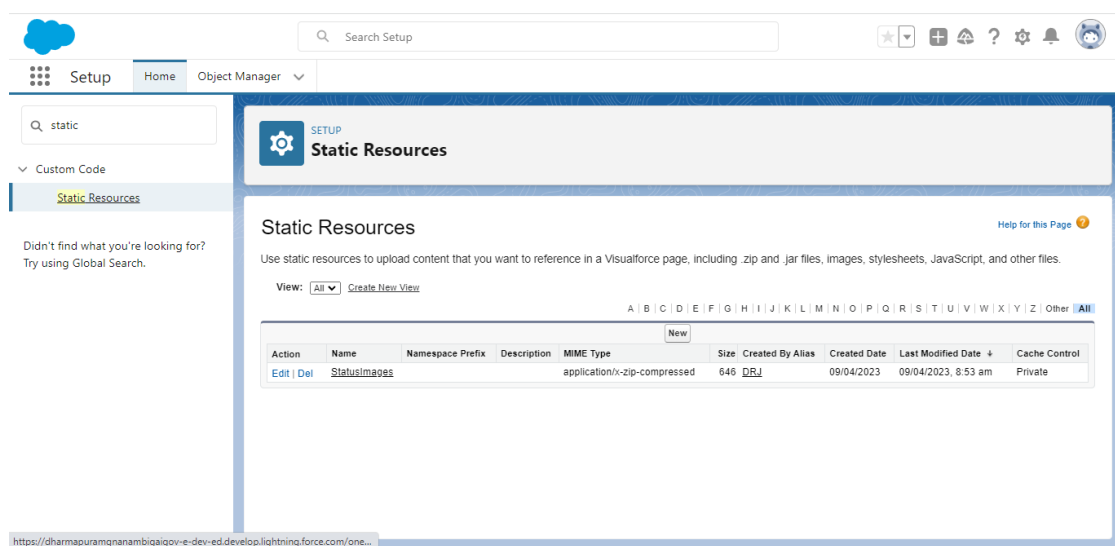
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Milestone 8:



The screenshot shows the Salesforce Setup interface for creating a Validation Rule. The breadcrumb trail is **Setup > OBJECT MANAGER > Travel Approval**. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled **Travel Approval Validation Rule** and includes a description: "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." Below this is the **Validation Rule Edit** section with fields for Rule Name (set to "Travel"), Active (checked), and Description. The **Error Condition Formula** section provides an example formula: `Discount_Percent__c > 0.30` and instructions to display an error if the discount is more than 30%. It also includes a "Functions" list with options like ABS, ACOS, and ADDMONTHS.

Milestone 9:





The screenshot shows the Salesforce Setup interface for Static Resources. The breadcrumb trail is **Setup > Static Resources**. The left sidebar shows a search for "static" and a list of custom code items, including "Static Resources". The main content area is titled **Static Resources** and includes a description: "Use static resources to upload content that you want to reference in a Visualforce page, including .zip and .jar files, images, stylesheets, JavaScript, and other files." Below this is a table listing static resources. The table has columns for Action, Name, Namespace Prefix, Description, MIME Type, Size, Created By Alias, Created Date, Last Modified Date, and Cache Control. A single resource is listed with the name "StatusImages" and MIME type "application/x-zip-compressed".

Action	Name	Namespace Prefix	Description	MIME Type	Size	Created By Alias	Created Date	Last Modified Date	Cache Control
Edit Del	StatusImages			application/x-zip-compressed	646 KB		09/04/2023	09/04/2023, 8:53 am	Private


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Milestone 10:



★
+
🔍
?
⚙️
🔔


Travel Approval
Reports
Dashboards
Departments
Expense Items
Expense Reports
Travel Approvals
TravelApprovals
More


Report: Travel Approvals

Enable Field Editing
🔍
Add Chart
▼
🔄
Edit
▼


Total Records


1

Travel Approval: ID ↑	Travel Approval: Travel Approval Name ↑	Travel Approval: Owner Name	Travel Approval: Owner Alias	Travel Approval: Owner Role	Travel Approval: Created By
<input type="checkbox"/> a025i0000i09MY2 (1)	Travel Approval (1)	Delphiya RJ	DRJ	-	Delphiya RJ
Subtotal					
Subtotal					
Total (1)					

Row Counts ☒
Detail Rows ☒
Subtotals ☒
Grand Total ☒

Milestone 11:



★
+
🔍
?
⚙️
🔔


Travel Approval
Reports
Dashboards
Departments
Expense Items
Expense Reports
Travel Approvals
TravelApprovals
More

travel approval
+ Component
+ Filter
🔄
🔄
⚙️
Save
▼
Done

New Travel Approvals Report

Travel Appro...	Travel A...	Travel A...	Travel ...	Travel App...
Delphiya RJ	DRJ	-	Delphiya RJ	DRJ

View Report (New Travel Approvals Report)

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4 TRAILHEAD PROFILE PUBLIC URL

Team Lead - <https://trailblazer.me/id/delrj>

Team Member 1 - <https://trailblazer.me/id/varma62>

Team Member 2 - <https://trailblazer.me/id/gowse2>

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

5 ADVANTAGES & DISADVANTAGES

- It's a low cost way to list your property and its rooms.
- Reductions in your online marketing spend.
- Using OTAs does not reduce the need to have your own website with booking engine.
- You may still need to invest in a balanced multi-channel marketing strategy.
- There may be restrictive terms and conditions imposed by OTAs such as guest cancellation and automatic room reselling policies.

6 APPLICATIONS

- The Travel Support System (TSS) allows you to request and approve business trips.
- Flights, hotels and even more external information such as cell phone expenses or car rentals can be entered with the trip request.
-
- For the destination, weather information can be queried.

7 CONCLUSION

- Given this opportunity for greater awareness, it is hoped that students like you will help share this information as you learn more about the sector.

8 FUTURE SCOPE

The Travel Industry has grown by leaps and bounds and it will surely reach even better heights in the times to come. Today, when we talk about the growth of this industry, we cannot ignore mentioning the ample amount of career opportunities that lay subsumed in it.