# MUTHURANGAM GOVT ARTS COLLEGE VELLORE 02

# BUILD AN EMPLOYEE TRAVEL APPROVAL APPLICATION FOR CORPORATES

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# BUILD AN EMPLOYEE TRAVEL APPROVAL APPLICATION FOR CORPORATES

- Milestone 1- Create Salesforce Org
   Create Developer Account
- Milestone 2- Creating the Application
   Create the Text Application
- Milestone 3-What is an object?

Create the 3 custom objects and tabs

- a)Department
- b)Travel Approval
- c)Expense Item
- Milestone 4- What is a Tab?

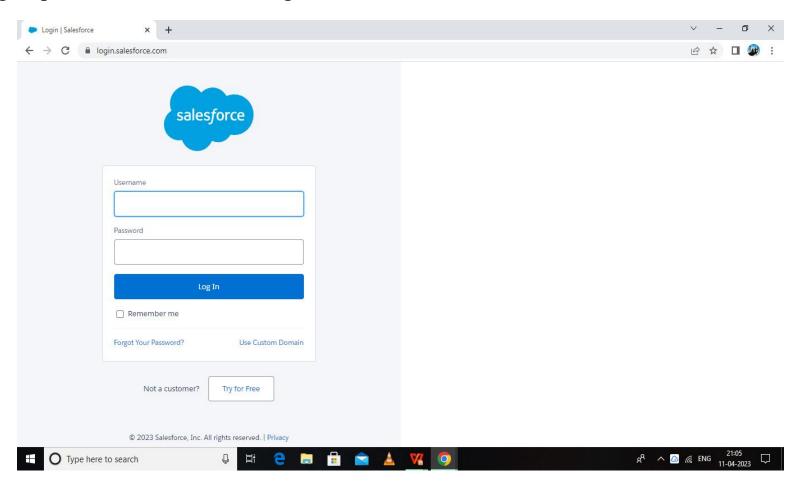
Create Fields & Relationships

- Milestone 05- Import Departments
- Milestone 06- Customize User Interface
- Milestone 07- Use Customization
- Milestone 08- Add Business Logic To Travel App
- Milestone 09- What are Reports
- Milestone 10- Dashboards

### Milestone 1- Create Salesforce Org:

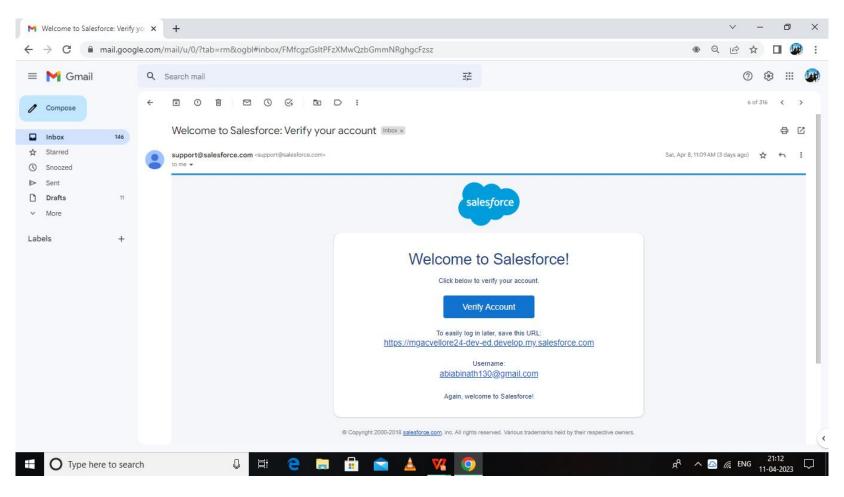
#### Creating Developer Org in Salesforce

- 1. Go to developers.salesforce.com
- 2. Click on sign up.
- 3. On the Sign-up form, enter the following details:



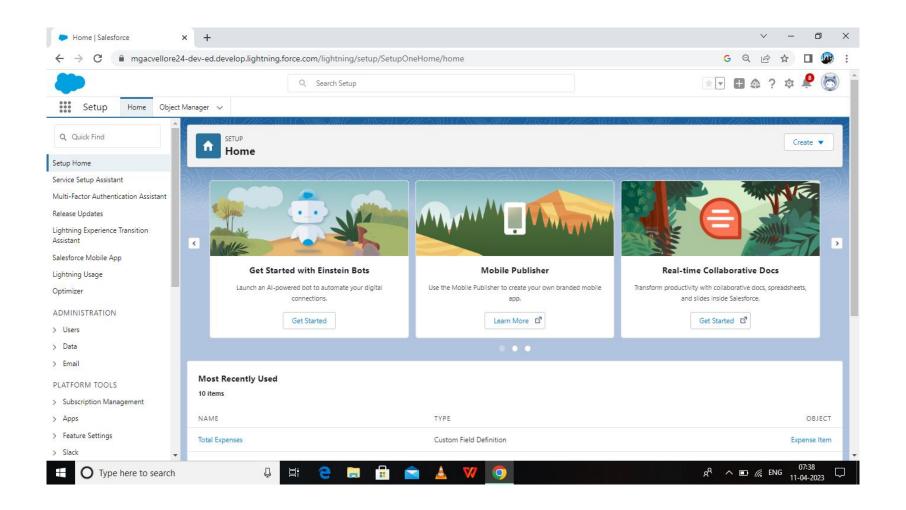
#### **Account Activation :-**

Go to the Inbox of the email that while signing up. Click on the Verivfy account to activate your account.



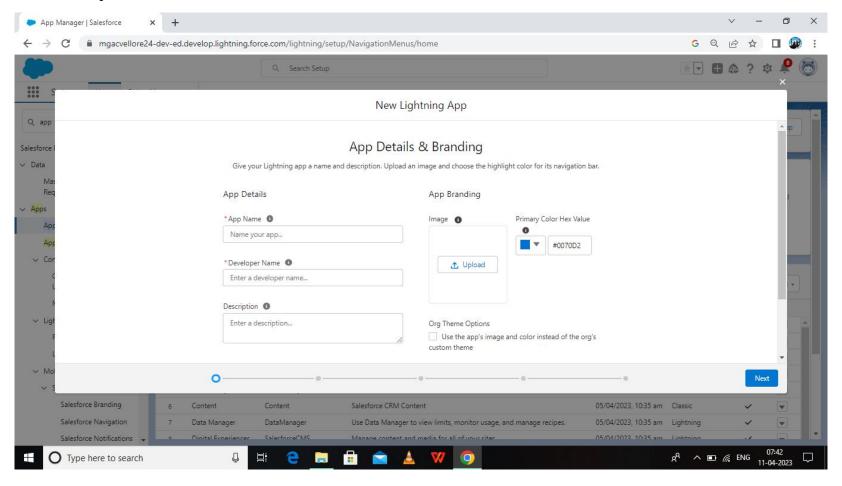
#### Login To Your Salesforce Account:

- 1. Go to Salesforce.com and Click on login.
- 2. After login this is the home page which you will see.



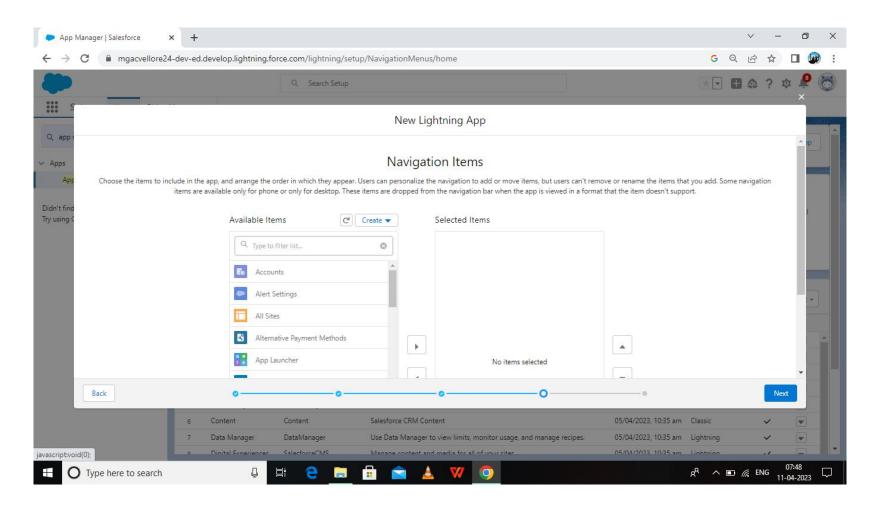
# MILESTONE 2 - Create the Application:

Create the Travel Application Search AppManager to quick find box, click on new lightning app. Enter Travel Approval as the App Name, then click Next Under app and Utility Items leave default, and click Next.



From available Profiles, select System Administrator and mopve it to Selected Profiles click save and Finish.

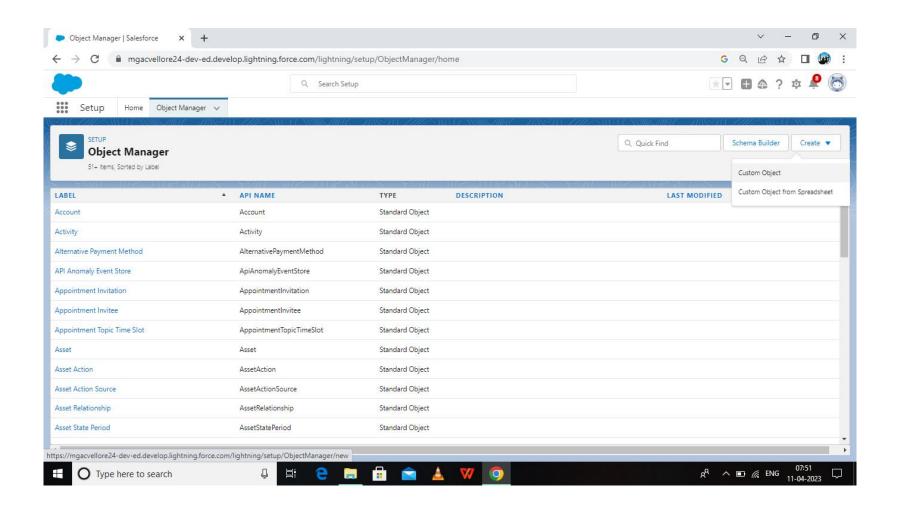
To Verify your changes, click the App Launcher, type Travel Approval and select the Travel Application app.



#### MILESTONE 3

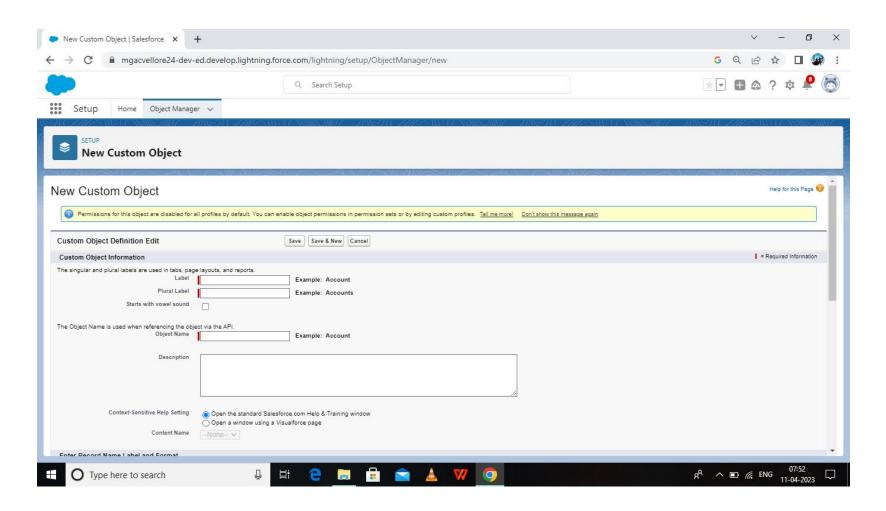
#### **Custom Object Creation**

From the setup page, Click on Object manager, Click create, Click on Custom Object. Enter label name, plural label name, click on Allow reports, Allow search and save.



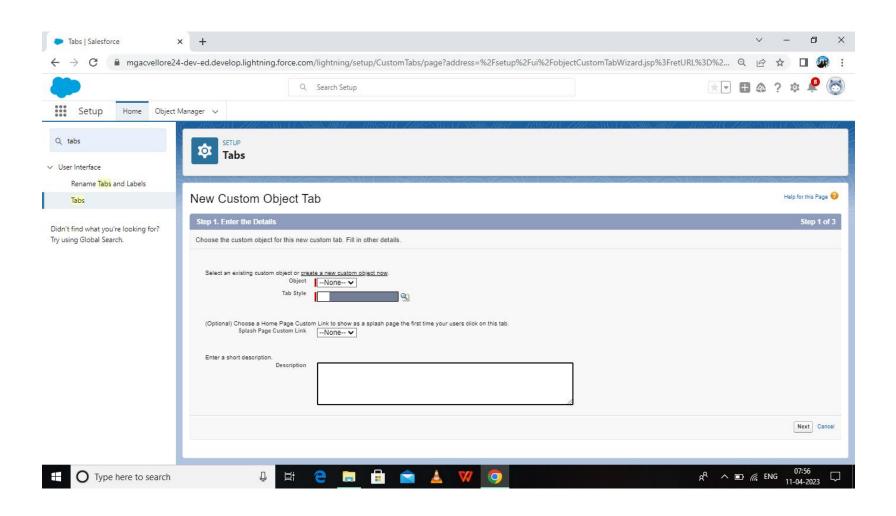
### Creeate 3 Objects and Tabs.

- a) Departments
- b) Travel Approval
- c) Expense Items



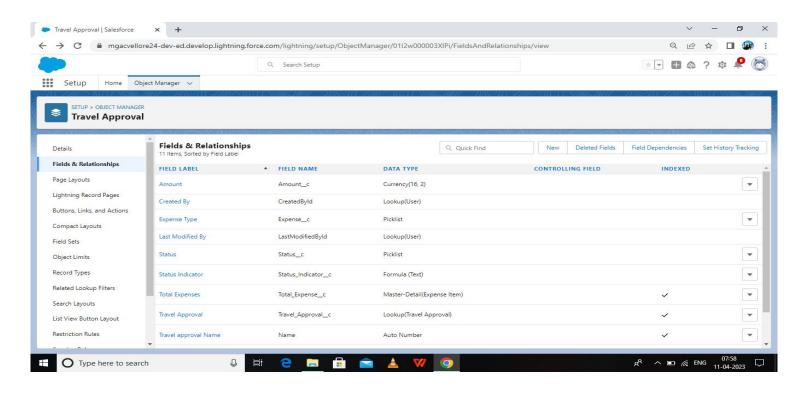
#### MILESTONE 4 - TABS

Click the Home tabs, entetr tabs in Quick find and select Tabs Click New. Select Event, select any icon. Leave all defauts as is. Click Next, Next, and Save. In the same way create other objects such as Attendees, Speaker, and Vendor.



# MILESTONE 4 - Create Fields and Relationships:

Click Feilds and Relationships, and Click New.

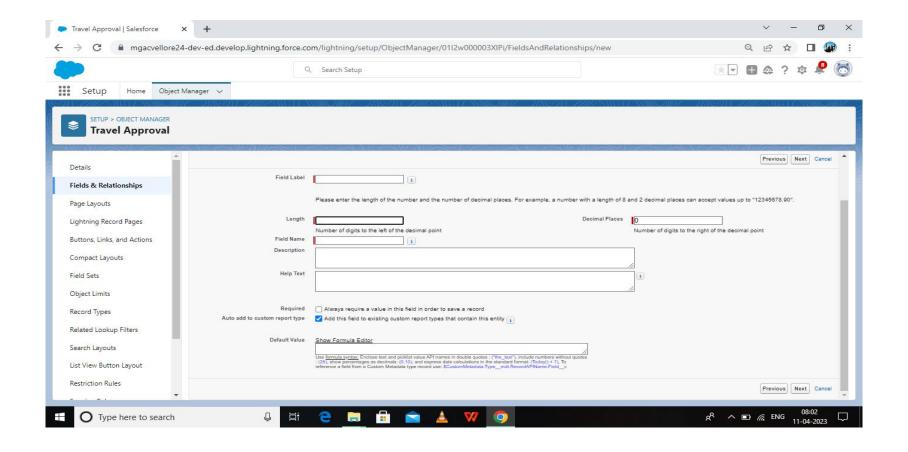


for data type, select currency. Enter these details.

- a) For Feild label, enter Amount
- b) For Length enter 16
- c) For Decimal places, enter 2
- d) Select Required Click Next, Next then Save and New.

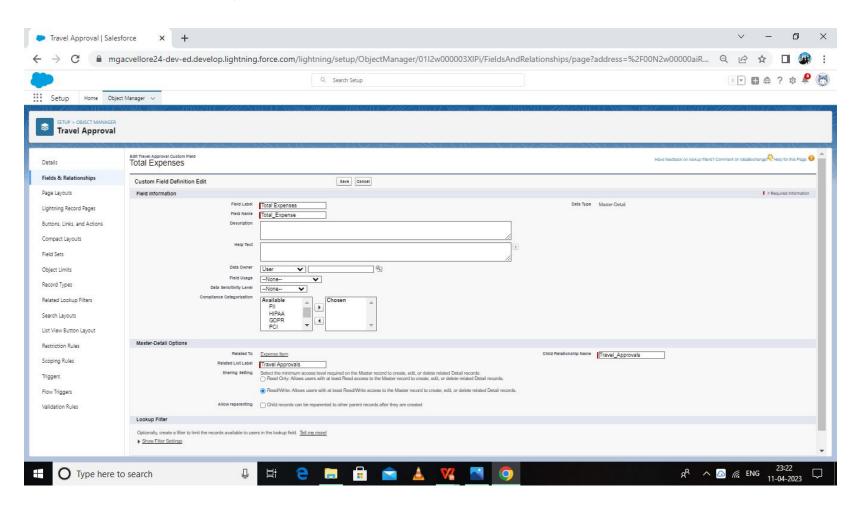
#### Create the Expense Type Field

Select Picklist as data type.
Select enter values, with each values in new line
Add these values (Airfare, Hotel, Rentalcars, Meals, others)
Select Required Click Next, Next then Save & New.



#### Create the Travel Aproval Feild

Select Master Detail Relationship data type Select Travel Approval from the Related to menu. Click Next four times, then click save.

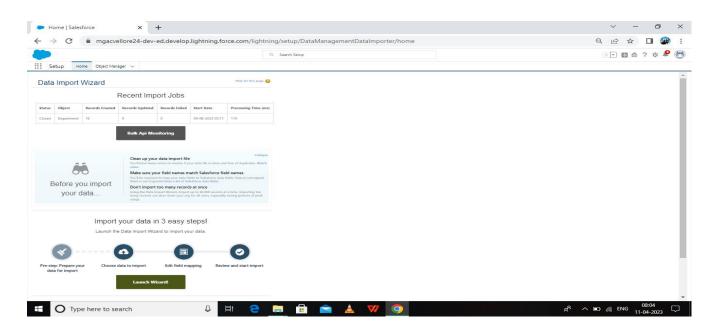


# MILESTONE 5 - Import Departments

In order to complete this milestone, you need to download the reference file https://developer.salesforce.com/files/TravelAppWorkshopFiles.zip?\_ga=2.108173638.5975640 88.1674441525-733189446.1673935386

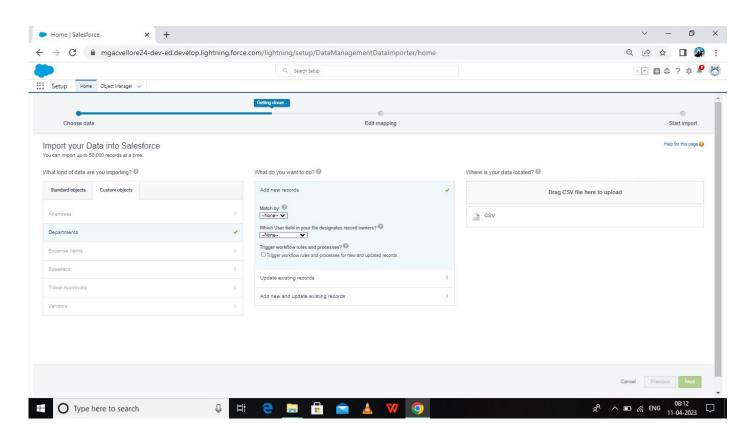
From Setup, Click the Home tab.

- 1. In the Quick find box, enter Data Import and select Data Import Wizard.
- 2. Click Launch Wizard!



Click the Custom Objects tab and select the departments object.

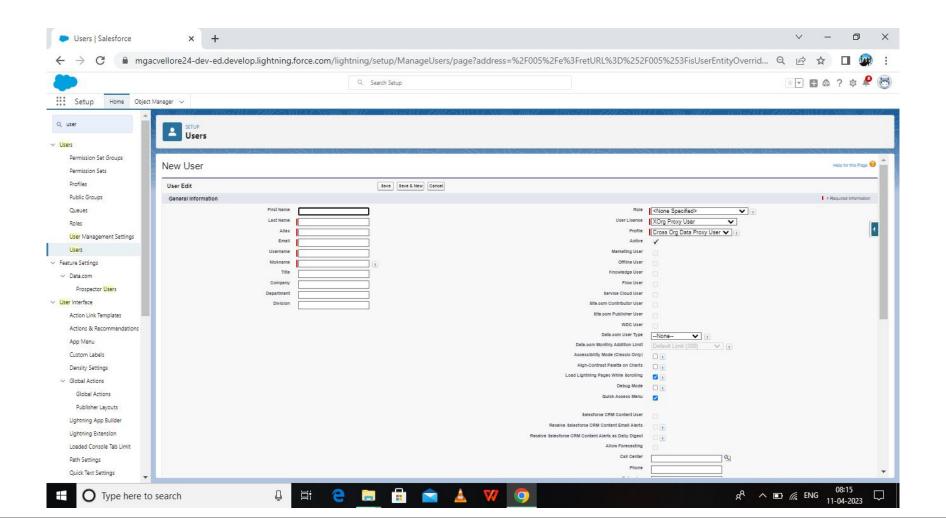
- 3. Next, select Add new records.
- 4. Drag and drop the Departments.csv file you downloaded using zip file or click the CSV icon and browse to select your file. Select Next.
- 5. In summary of data import. Click Start Import. Click OK on the popup. That the process has completed and 16 records has been successfully imported. and you got the mail.



#### MILESTONE 6 - Customize User Interface

#### Create User and Setup Approvals

- 1. Enter users in the quickfind box and select users.
- 2. Click new user. Follow the Instruction as username feild.



#### Firstneme<yourname>@<yourname>.com

....or create a username If your choice that should be unique.

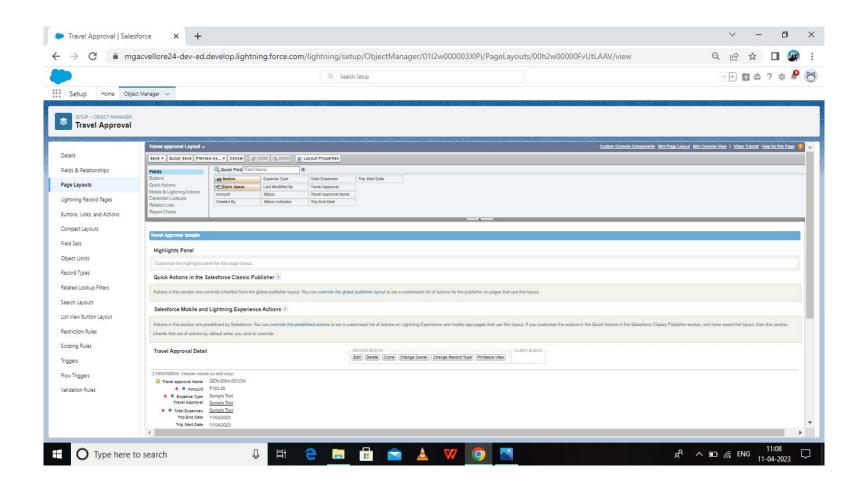
- 5. Give the role as a CEO, Profile as System Administrator and licence as salesforce.
- 6. From setup, enter Users in the Quick Find box and select Users.
- 7. select your user account in the last provided. Click Edit.
- 8. Scroll down the Approver Settings. set your manager as the user you have created recent; y.
- 9. Click Save.

#### MILESTONE 7 - Use Customization

Customize Travel Approval Object Page layout.

- 1. From the Object Manager, search for the travel approval object and click page layout and click edit.
- 2. Drag the section from top pane to lower pane below Information section. while draging over page you get the visual indicator of where you can drop the new section.
- 3. Name the Section Trip info, leave the default then click ok.

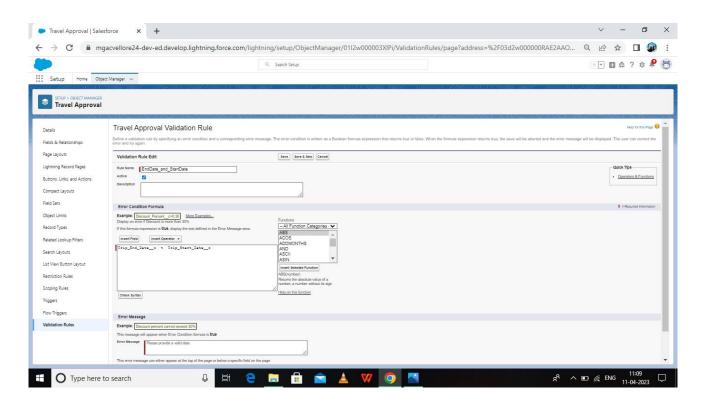
- 4. Drag the Purpose of trip field from the Information section to Trio section.
- 5. Drag the Trip End date and Trip start Date from the top of the pane into the Left of Trip Info section.
- 6. Drag the DEpartment field from the left hand column of trip info section to the right column.
- 7. Click Save. (You may need to refresh the browser to show changes)



# MILESTONE 8 - Add Business Logic to Travel App

#### Create Validation Rule

- 1. Search for the travel approval object from the object manager and open object.
- 2. Click on Validation Rule and give your rule a name make sure rule is set to active
- 3. In the Error location select field and pick Trip End Date c < Trip Start Date c.
- 4. For the location select field and pick up trip end date for error.



#### Creat Rollup Summary F ields

- 1. From the Travel Apporval object, aelect Fields&Relationship. Click New
- 2. Select the Roll-Up Summary data type. Click New.
- 3. Enter the following values for the field details
- Field Label:Total Expenses
- Field Name:Total\_Expenses (this automatically gets set when you tab out of the Fields Lable field
- 4. Click Next
- 5. Configure the roll-up calculation.
- Summarized Object: Expense Items
- Roll-Up Type: SUM
- Fields to Aggreate: Amount
- Filter Criteria: All records should be inculded in the calculation
- 6. Click Next, Next, Save

#### Create Formula Fields

- 1. First, we need to upload a zip file to your Saleseforce environment that contains all the image we use. You should have a file titled StatusImages. Zip.
- 2. Click Custom Code | Static Resources (or enter Static in the Quick Find to filter down the options).
- 3. Click New Select formula data type. Click Next

#### Enter the following values:

Field Label: Status Indicator

Field Name: Status\_Indicator (This automatically gets sent when you tab out

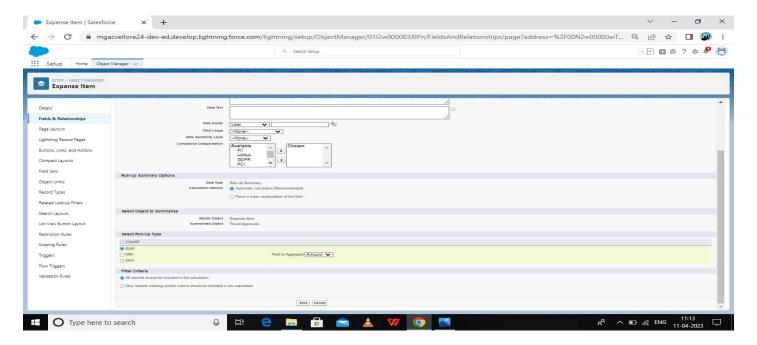
of the Field Label field)

Formula Return Type: Text

Copy and paste the following formula into the formula editor.

IF( ISPICKVAL( Status\_c, 'Approved'), IMAGE("/resource/StatusImages/thumbs-up.png", "Accepted", 20, 20),

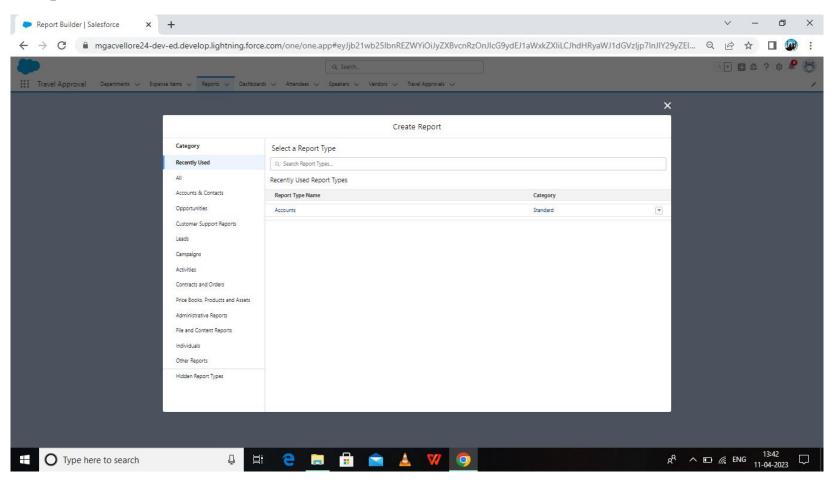
IF (ISPICKVAL(Status\_c, 'Rejected'), IMAGE("/resource/StatusImages/thumbs-down.png", "Rejected", 20, 20), IMAGE("/resource/StatusImages/draft.png", "In-Process", 20, 20))) 14.Click Next, Next, Save.



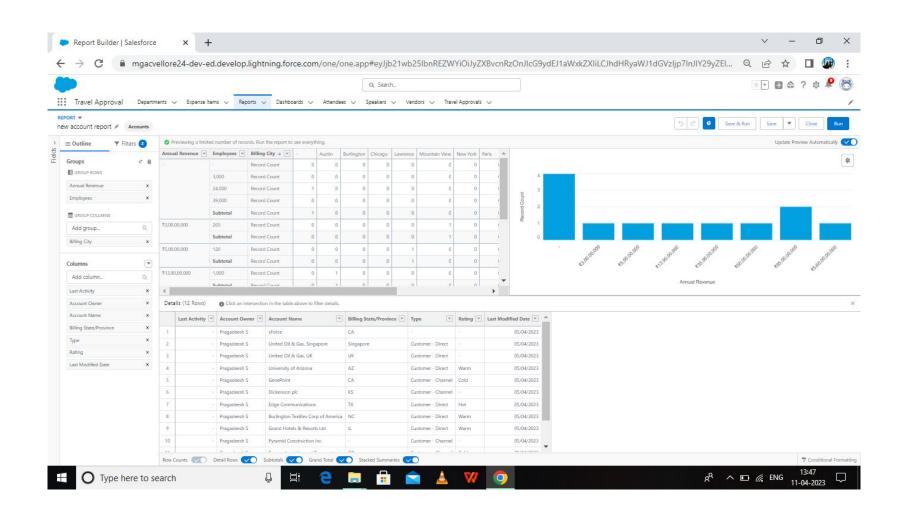
## MILESTONE 10 - What are Reports

#### Add Reports

To create a report, Click on report tab click new report Select Report type from catagory click on start report Custamize your report.



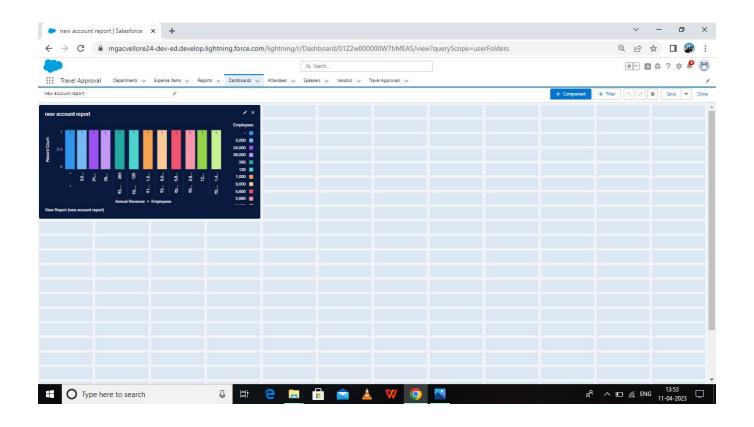
#### Then save or Run it.



#### MILESTONE 11 DASHBOARDS

#### Create Travel Approvals Dashboard

- 1. Click on Dashboards tab from the travel approval application, click on new dashboard
- 2. Give your Dashboard a name and click on +component, select the report which you created.
- 3. For the data visualization select any of the chart, table etc as your wish.



# THANKING YOU

SMART INTERNZ TEAM