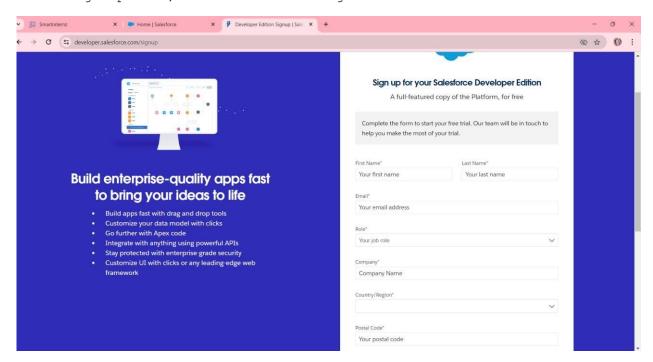
Project Report on

A CRM APPLICATION FOR LAPTOP RENTALS

Milestone - 01: Create Salesforce

Go to https://developer.salesforce.com/signup

On the sign up form, enter the following details :



1. First name & Last name - VUDAYAGIRI & SIREESHA

2. Role: Developer

3. Email: vudayagirisireesha@gmail.com

4. Company: GAYATRI DEGREE COLLEGE - TIRUPATI

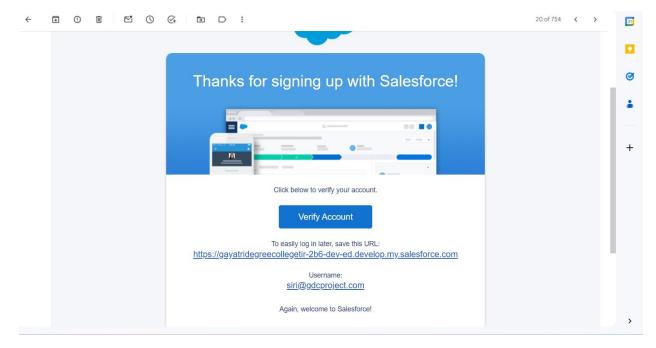
5. County: India

6. Postal Code: **517501**

7. Username: siri@gdcproject.com

Account Activation

Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins, as

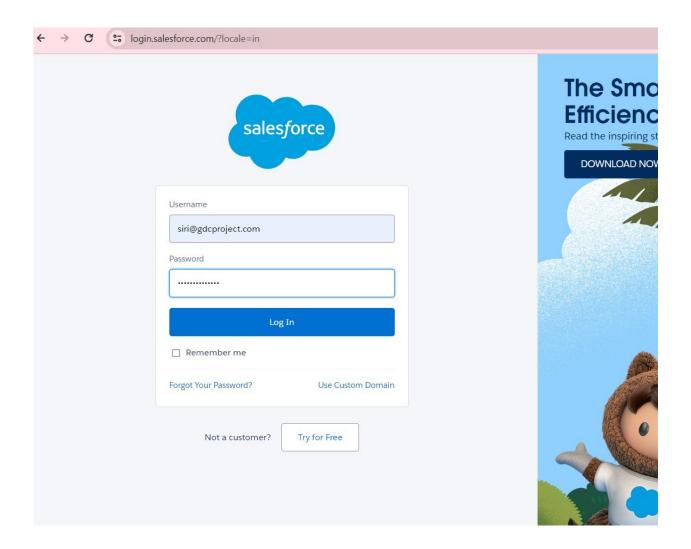


Login to your Salesforce Org

- 1. Go to salesforce.com and click on login
- 2. Enter the username and password that you just created.
- 3. After login this is the home page which you will see.

Salesforce Login:

https://login.salesforce.com

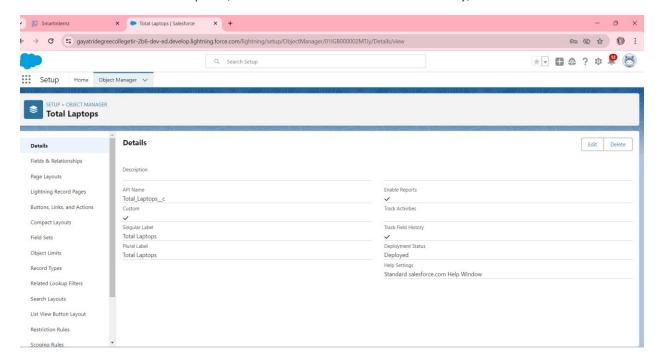


Milestone – 02 : Object Creation

Create Total Laptops Object

- 1. From the setup page Click on Object Manager Click on Create Click on Custom Object.
- 2. Enter the label name- Total Laptops
- 3. Plural label name- Total Laptops
- 4. Enter Record Name Label and Format

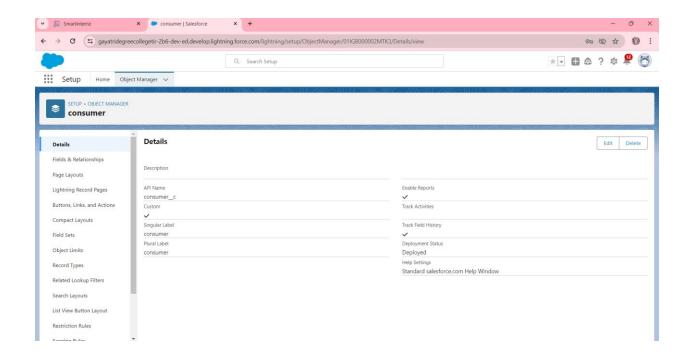
- 5. Record Name -Total Laptops
- 6. Data Type **Text**
- 7. Click on Allow reports, Allow search and Track Field History, 8. Allow search Save.



Create Consumer Object

From the setup page - Click on Object Manager - Click on Create - Click on Custom Object.

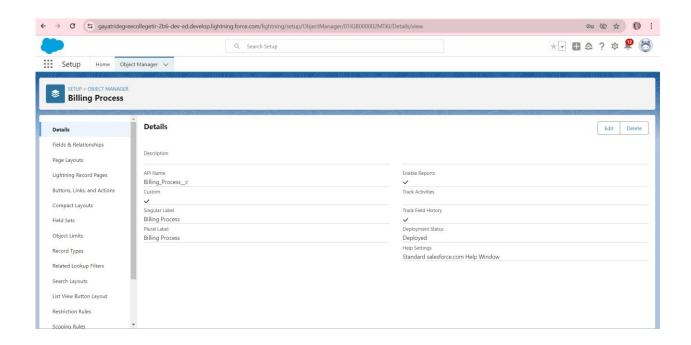
- 1. Enter the label name-consumer
- 2. Plural label name- consumer
- 3. Enter Record Name Label and Format
- 4. Record Name -consumer_name
- 5. Data Type Name
- 6. Click on Allow reports, Allow search and Track Field History,
- 7. Allow search Save.



Create Billing Process Object

From the setup page - Click on Object Manager - Click on Create - Click on Custom Object.

- 1. Enter the label name-Billing Process
- 2. Plural label name- Billing Process
- 3. Enter Record Name Label and Format
- 4. Record Name Billing ProcessName
- 5. Data Type Name
- 6. Click on Allow reports, Allow search and Track Field History,
- 7. Allow search Save.

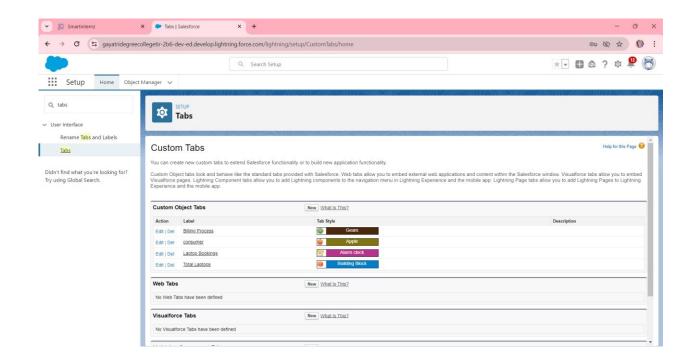


Milestone - 03 : Tabs

Creating A Custom Tab

To create a Tab:()

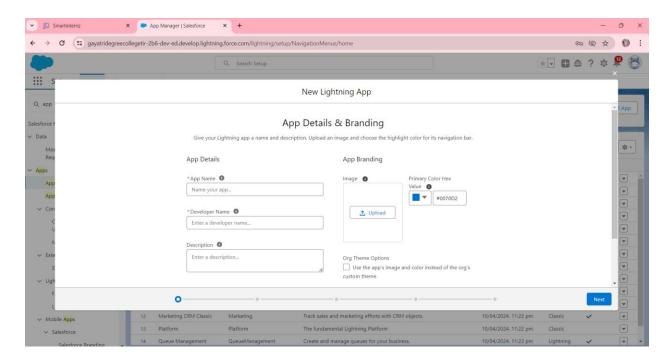
- 1. Go to setup page type Tabs in Quick Find bar click on tabs -New (under custom object tab)
- 2. Select Object(Total Laptops) Select the tab style Next (Add to profiles page) keep it as default Next (Add to Custom App) uncheck the include tab.
- 3. Make sure that the Append tab to users' existing personal customizations is checked.
- 4. Click save.



Create A Lightning App

To create a lightning app page:

- **1.** Go to setup page -search "app manager" in quick find select "app manager" -click on **New lightning App.**
- **2.** Fill the app name in app details as LAPTOP RENTALS?Next (App option page) keep it as default -Next (Utility Items) keep it as default Next.
- **3.** Upload a photo that is related to your app.
- **4.** To Add Navigation Items:
- **5.** Search profiles (System administrator) in the search bar click on the arrow button save & finish.



Milestone - 04: Fields

Creating The Field In Consumer Object

To create fields in an object:

- Go to setup -click on Object Manager type object name(consumer) in search bar click on the object
- 2. Now click on "Fields & Relationships" New
- 3. Select Data Type as a "Phone"
- 4. Click on next
- 5. Fill the Above as following:
- 6. Field Label: Phone number
- 7. Field Name: gets auto generated
- 8. Click the required option checkbox.
- 9. Click on Next Next Save and new.

To create another fields in an object:

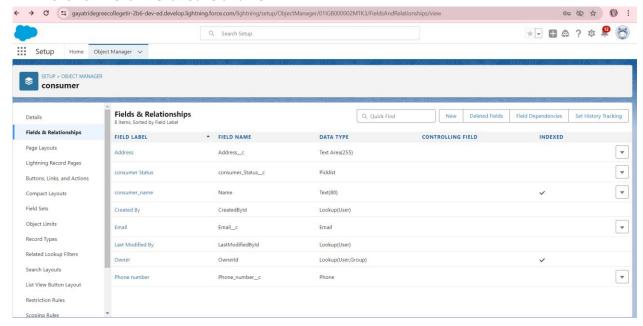
- Go to setup click on Object Manager -type object name(consumer) in search bar click on the object.
- 2. Now click on "Fields & Relationships" New
- 3. Select Data type as a "Email" and Click on Next

- 4. Fill the Above as following:
- 5. Field Label: Email
- 6. Field Name : It's gets auto generated
- 7. Click on Next Next Save and new.

To create another fields in an object:

- 1. Go to setup click on Object Manager type object name(consumer) in search bar click on the object.
- 2. Now click on "Fields & Relationships" New 3. Select Data type as a "Text Area" and Click on Next
- 4. Fill the Above as following:
 - Field Label: Address
 - Field Name : **It's gets auto generated**

 Select Required field.
 - Click on Next Next Save and new.



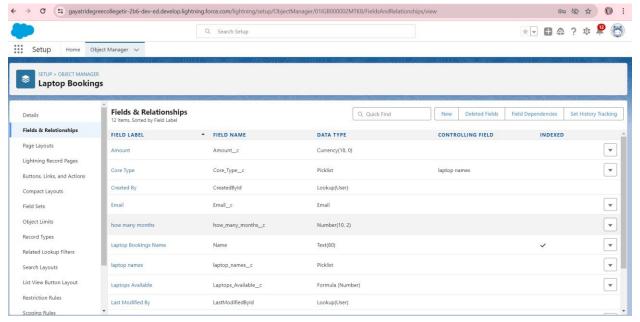
To create fields in an object:

1. Go to setup - click on Object Manager - type object name(**Laptop Booking**) in the search bar - click on the object

- 2. Now click on "Fields & Relationships" New
- 3. Select Data Type as a "Picklist"
- 4. Picklist values are:-1.Dell 2. Acer 3.Hp 4.Mac
- 5. Select required
- 6. Click on Next -Next -Save and newClick on Next

To Create a Fields & Relationship to an Laptop Booking Object

- 1. To create fields & relationship to an object:
- 2. 1.Go to setup? click on Object Manager type object name (Laptop Booking) in the search bar click on the object.
- 3. 2.Now click on "Fields & Relationships" New
- 4. 3. Select Data Type as a "Picklist"
- 5. 4.Picklist values are:-1.core i3 2. Core i5 3. Core i7
- 6. Select required
- 7. 6.Click on Next Next Save and newClick on Next



Creation Of Fields & Relationship For Billing Process Object

To create fields & relationship to an object:

- 1. Go to setup click on Object Manager -type object name(Billing Process) in the search bar -click on the object.
- 2. Now click on "Fields & Relationships" New
- 3. Select Data Type as a "Master-detail Relationship"
- 4. Click on Next
- 5. Click on the Related to drop down and Select the consumer object and click on Next
- 1. Fill the Above as following:
 - ☐ Change the Field Label: Name ☐ Field Name :It's gets auto
 generated ☐ Click on Next Next Save and new.

To create another fields & relationship to an object:

- 1. Go to setup click on Object Manager type object name(**Billing Process**) in the search bar click on the object.
- 2. Now click on "Fields & Relationships" New
- 3. Select Data Type as a "Lookup Relationship"
- 4. Click on Next
- 5. Click on the Related to drop down and Select the Laptop Booking object
- 1. Fill the Above as following:
 - ☐ Change the Field Label: Laptop

 Booking ☐ Field Name :It's gets auto

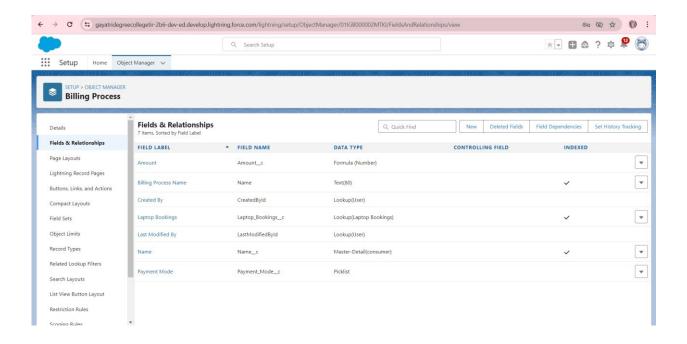
 generated ☐ Click on Next Next Save

 and new.

Creation of another fields for the billing process object To create fields in an object:

- 1. Go to setup click on Object Manager type object name(Billing Process) in the search bar click on the object.
- Now click on "Fields & Relationships" New 3. Select Data Type as a "Picklist"
 - 4. Fill the Above as following:
 - Field Label: **Payment Mode**
 - Value Select enter values with each value separated by a new line
 - 1. Cash
 - 2. Check
 - 3. Credit card

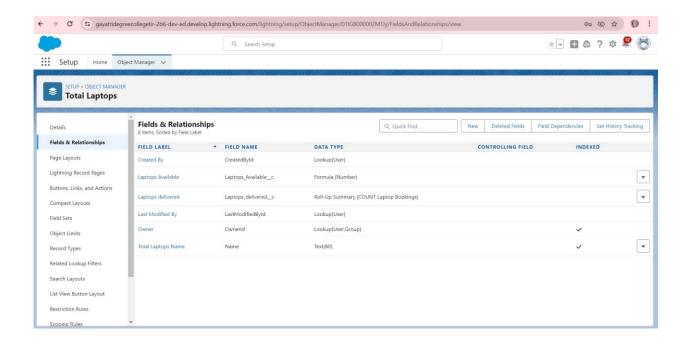
- 4. Debit card
- 5. UPI
- 6. Phonepe
- 7. Gpay
- 8. Paytm
- Select required
- Click on Next Next Save and new.



Creating The Field In Total Laptops Object

To create fields in an object:

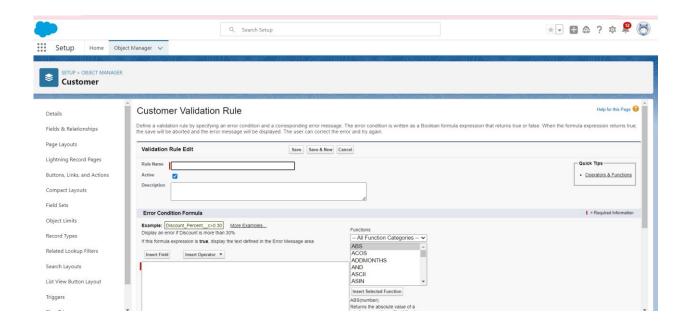
- 1. Go to setup click on Object Manager type object name(**Total Laptops**) in search bar click on the object.
- 2. Now click on "Fields & Relationships" New 3. Select Data type as a "Formula" and Click on Next 4. Fill the Above as following:
- 5. Field Label: Laptops Available
- 6. Field Name: It's gets auto generated
- 7. Select the Formula Return Type as "**Number**
- 8. Select the Decimal places as "0" and Click on Next



Milestone - 05: Validation Rule

Creating the validation rule for phone number field in consumer object

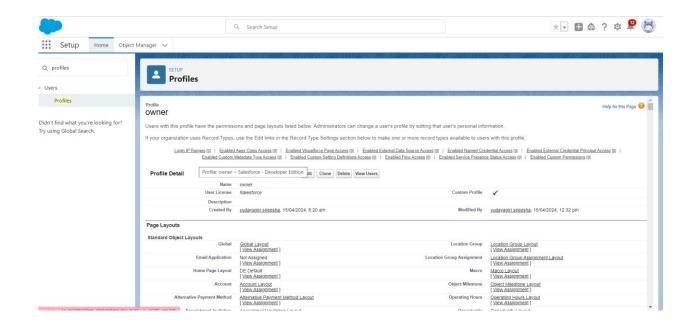
- 1. Go to the setup page click on object manager From drop down click edit for consumer object.
- 2. Click on the validation rule click New.
- 3. Enter the Rule name as "Phonenumberoremailblankrule".
- 4. Enter the description as "phone number and email number should not be blank".
- 5. Enter the formula as "OR(ISBLANK(phone_number__c) , ISBLANK(email__c))" and check the syntax.
- 6. Save the validation rule.



Milestone - 06: Owner Profile

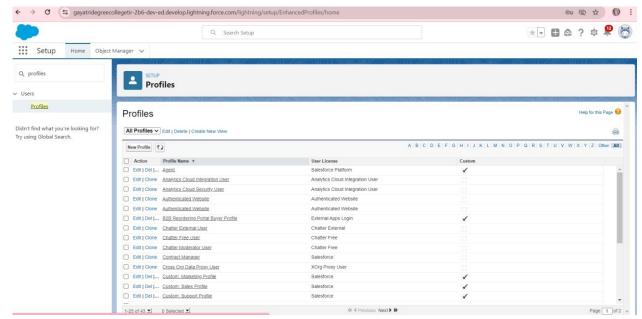
To create a new profile:

- 1. Go to setup type profiles in quick find box click on profiles clone the desired profile (Standard User) enter profile name (owner) Save.
- 2. Scroll down to Custom Object Permissions and Give access permissions for Total Laptops, consumers, Laptop Booking and Billing Process objects as mentioned in the below diagram.
- 3. Give Access and Save it.



Agent Profile:

- 1. Go to setup type profiles in quick find box -click on profiles clone the desired profile (Standard Platform User) enter profile name (Agent) -Save.
- 2. While still on the profile page, then click Edit.
- 3. Scroll down to Custom Object Permissions and Give access permissions for **Total Laptops**, consumer , Laptop Bookings and Billing Process objects as mentioned in the below diagram.
- 4. Save it



Milestone - 07: Roles And Hierarchy

Creating Owner Role

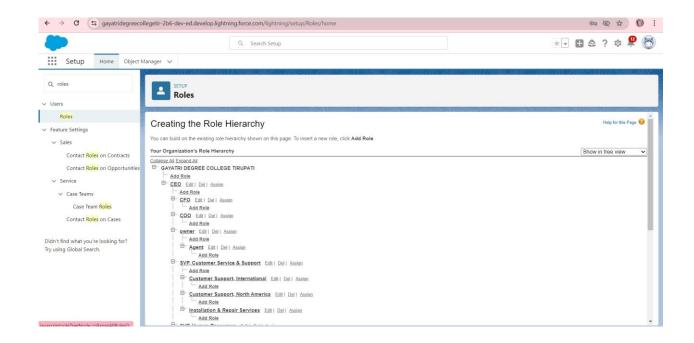
Go to quick find - Search for Roles - click on set up roles.

Click on Expand All and click on add role under whom this role works.

- 1. Give Label as "owner" and Role name gets auto populated. Then click on Save.
- 2. Click and save it.

Activity 2: Creating Agent roles

- 1. Go to quick find Search for Roles click on set up roles.
- 2. Click plus on CEO role, and click add role under owner.
- 3. Give Label as "Agent" and Role name gets auto populated. Then click on Save.



Milestone - 08: Users

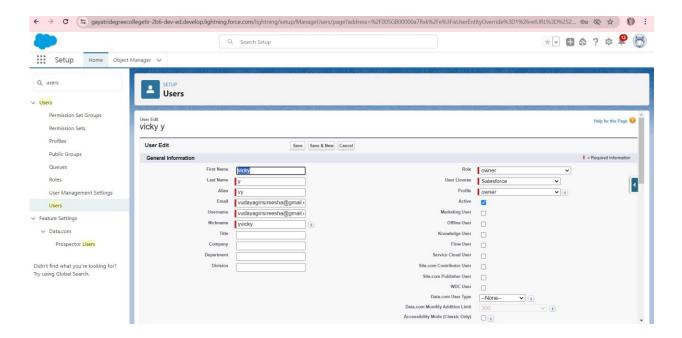
Create User

- 1. Go to setup type users in quick find box select users -click New user.
- 2. Fill in the fields
- 3. First Name: vicky
- 4. Last Name: y
- 5. Alias: Give a Alias Name
- 6. Email id: Give your Personal Email id
- 7. Username: Username should be in this form: text@text.text
- 8. Nick Name: Give a Nickname
- 9. Role: owner
- 10. User license: Salesforce
- 11. Profiles: owner.
- 12. Save it.

Activity 2: creating another users

- 1. Go to setup -type users in quick find box select users -click New user.
- 2. Fill in the fields
- 3. First Name: ram
- 4. Last Name: ram

- 5. Alias: Give a Alias Name
- 6. Email id: Give your Personal Email id
- 7. Username: Username should be in this form: text@text.text
- 8. Nick Name: Give a Nickname
- 9. Role: Agent
- 10. User license: Salesforce platform 11. Profiles: standard platform user.
- 12. Save it.



Milestone - 9: Flows

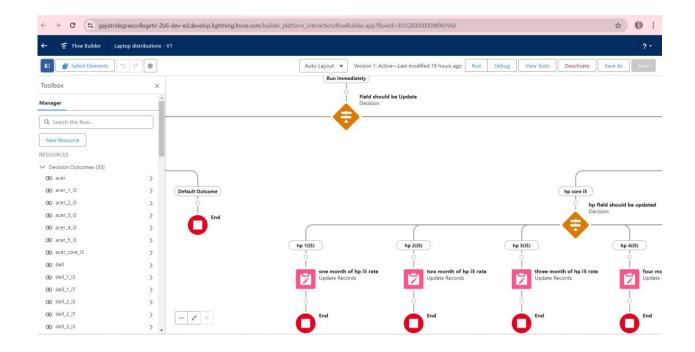
Create A Flow On Dell Laptop

- 1. Go to setup -type Flow in quick find box Click on the Flow and Select the New Flow.
- 2. Select the **Record-triggered flow** and Click on Create.
- 3. Select the Object as a **Laptop Booking** in the Drop down list.
- 4. Select the Trigger Flow when: "A record is Created or Updated".
- 5. Select the Optimize the flow for: "Actions and Related Records" and Click on Done.
- 6. Under the Record-triggered Flow Click on "+" Symbol and In the Drop down List select the "Decision Element".
- 7. Enter the Details Label: **Field should be Update**, API name: **Gets Automatically Generated.**

- 8. Enter the Outcome Details Label: **del**l , Outcome API name: **Gets Automatically Generated.**
- 9. Resource: Select Record.Laptop booking_c.
- 10. Operator: Select Equals.
- 11. Value: Select dell
- 12. Add the same outcome order to acer, hp,mac.
- 13. Click done.
- 14. Go to flow page
- 15. Beside dell there is a symbol '+' click on that.
- 16. Again select decision
- 17. Enter the Details Label: Field should Update(any one u want), API name: Gets Automatically Generated.
- 18. select the Outcome Details Label: dell core i3 , Outcome API name: Gets Automatically Generated.
- 19. Resource: Select Record.core type.
- 20. Operator: Select Equals.
- 21. Value: Select core i3.
- 22. Then again click the symbol '+' outcome details
- 23. select the Outcome '+' Details Label: dell core i5, Outcome API name: Gets Automatically Generated.
- 24. Resource: Select Record.core type.
- 25. Operator: Select Equals.
- 26. Value: Select core i5.
- 27. Then again click the symbol'+' outcome details
- 28. Enter the Outcome Details Label: dell core i7 , Outcome API name: Gets Automatically Generated.
- 29. Resource: Select Record.core type.
- 30. Operator: Select Equals.
- 31. Value: Select core i7.
- 32. Click done.
- 33. So go to the flow page select '+' after core i3 then again select the decision.
- 34. Enter the Details Label: months selected, API name: Gets Automatically Generated. 35. Enter the Outcome Details Label: dell 1(i3), Outcome API name: Gets Automatically Generated.
- 36.
- 37. Resource: **Select Record.how many months**.
- 38. Operator: Select Equals.

- 40. Enter the Outcome Details Label: dell 2(i3), Outcome API name: Gets Automatically Generated.
- 41. Resource: **Select Record.how many months**.
- 42. Operator: Select Equals.
- 43. Value: Select 2...
- 44. Click '+' outcome details
- 45. Enter the Outcome Details Label: dell 3(i3), Outcome API name: Gets Automatically Generated.
- 46. Resource: Select Record.how many months.
- 47. Operator: Select Equals.
- 48. Value: Select 3...
- 49. Click '+' outcome details
- 50. Enter the Outcome Details Label: dell 4(i3), Outcome API name: Gets Automatically Generated.
- 51. Resource: Select Record.how many months.
- 52. Operator: Select Equals.
- 53. Value: Select 4...
- 54. Click '+' outcome details
- 55. Enter the Outcome Details Label: dell 5(i3), Outcome API name: Gets Automatically Generated.
- 56. Resource: Select Record.how many months.
- 57. Operator: Select Equals.
- 58. Value: Select 4.
- 59. Follow the above picture you will understand.
- 60. After dell 1(i3) there is '+' symbol like dell 2(i3),dell 3(i3),dell 4(i3),dell 5(i3).
- 61. Click on '+' then select update records
- 62. Enter the Details Label: one month of dell i3 rate, API name: Gets Automatically Generated.
- 63. Field:- Amount__c , value:- for dell 1(i3)-1000, dell 2(i3)-2000, dell 3(i3)-3000, dell 4(i3)-4000, dell 5(i3)-5000. Follow for all these finally
- 64. Click done.
- 65. Enter the Details Label: months selected, API name: Gets Automatically Generated. 66. Enter the Outcome Details Label: dell 1(i7), Outcome API name: Gets Automatically Generated.

- 67.
- 68. Resource: Select Record.how many months.
- 69. Operator: Select Equals.
- 70. Value: 1.
- 71. Enter the Outcome Details Label: dell 2(i7), Outcome API name: Gets Automatically Generated.
- 72. Resource: Select Record.how many months.
- 73. Operator: Select Equals.
- 74. Value: Select 2...
- 75. Click '+' outcome details
- 76. Enter the Outcome Details Label: dell 3(i7), Outcome API name: Gets Automatically Generated.
- 77. Resource: Select Record.how many months.
- 78. Operator: Select Equals.
- 79. Value: Select 3...
- 80. Click '+' outcome details
- 81. Enter the Outcome Details Label: dell 4(i7), Outcome API name: Gets Automatically Generated.
- 82. Resource: Select Record.how many months.
- 83. Operator: Select Equals.
- 84. Value: Select 4.
- 85. Click '+' outcome details
- 86. Enter the Outcome Details Label: dell 5(i7), Outcome API name: Gets Automatically Generated.
- 87. Resource: Select Record.how many months.
- 88. Operator: Select Equals.
- 89. Value: Select 5.
- 90. ollow the above picture you will understand.
- 91. After dell 1(i7) there is '+' symbol like dell 2(i7), dell 3(i7), dell 4(i7), dell 5(i7).
- 92. Click on '+' then select update records
- 93. Enter the Details Label: one month of dell i5 rate, API name: Gets Automatically Generated.
- 94. Field:- Amount__c , value:- for dell 1(i7)-2000, dell 2(i7)-4000, dell 3(i7)-6000, dell 4(i7)-8000, dell 5(i7)-10000. Follow for all these finally
- 95. Click done.



Milestone – 10 : Apex

Creating Classes:

- 1. Login to the trailhead account and navigate to the gear account in the top right corner.
- 2. Then we can see the Developer console. Click on the developer console and you will navigate to a new console window.
- 3. Then you can see many tools in the Toolbar of the new console window. Click on File, New and Apex Class.
- 4. Enter the name of the class to create a new class file.

body += 'Welcome to Laptop Rentals! You have been seen as a valuable customer to us.\n Please continue your journey with us, while we try to provide you with good quality resources. \n Laptop Amount = ' + lap.Amount__c + ' \n core type = '+lap.core__c +' \n Laptop type = '+lap.Laptop_type__c; email.setPlainTextBody(body);

Messaging.sendEmail(new List<Messaging.SingleEmailMessage>{email});

```
}
}
}
```

- 1. .Class name:- LaptopBookingHandler
- 2. 2.API Name:- Laptop_Bookings__c(as per your org go to laptop booking object and copy from that).
- 3. 3.core_c (as per your org go to laptop booking object and copy from that).
- 4. 4.Laptop_type__c.(as per your org go to laptop booking object and copy from that).

How to create a new trigger:

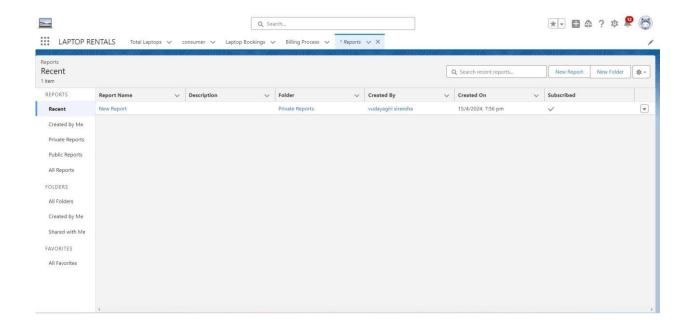
- 1. While still in the trailhead account, navigate to the gear icon in the top right corner.
- 2. Click on developer console and you will be navigated to a new console window.
- 3. Click on the File menu in the toolbar, and click on new-Trigger.
- 4. Enter the trigger name and the object to be triggered.
- 5. LaptopBooking trigger name
- 6. Laptop_Bookings__c -as per your org(go to laptop bookings object and copy from that object api name).

```
trigger LaptopBooking on Laptop_Bookings__c (After insert, after update) {
   if(trigger.isAfter && ( trigger.isInsert | | trigger.isupdate))
   {
      LaptopBookingHandler.sendEmailNotification(trigger.new);
    }
}
```

Milestone – 11 : Reports

Create Report

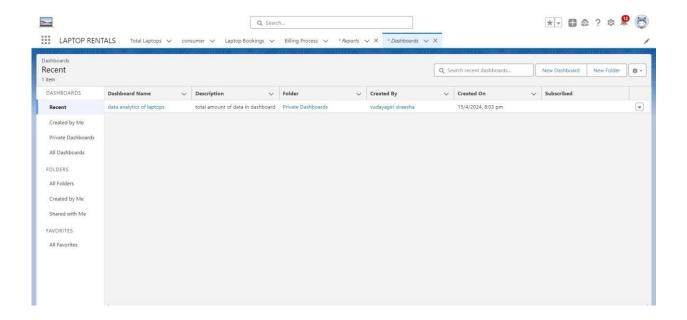
- 1. Go to the app -click on the reports tab
- 2. Click New Report.
- 3. Select report type from category or from report type panel or from search panel "consumer with Laptop Bookings and total laptops" click on start report.
- 4. Customize your report
- 5. Add fields from left pane as shown below 6. Click apply it.



Milestone - 12: Dashboards

Create Dashboard Folder

- 1. Click on the app launcher and search for the dashboard.
- 2. Click on the dashboard tab.
- 3. Click the new folder, give the folder label as "total rent amount".
- 4. Folder unique names will be auto populated.
- 5. Click save.



Create Dashboard

- 1. Go to the app click on the Dashboards tabs.
- 2. Give a Name and select the folder that was created, and click on create.
- 3. Select add component
- 4. Select a Report and click on select.
- 5. Select the dark component and add to the dashboards.
- 6. Save it.
- 7. Click done.

