



Capstone Project Report
On
“Travel App”

Submitted by:

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Abstract

Salesforce, Inc. is an American cloud-based software company headquartered in San Francisco, California. It provides customer relationship management (CRM) software and applications focused on sales, customer service, marketing automation, analytics, and application development.

Salesforce's main technologies are tools for customer management. Other products enable customers to create apps, integrate data from other systems, visualize data, and offer training courses.

Force.com applications are built using declarative tools, backed by Lightning and Apex, a proprietary Java-like programming language for Force.com, as well as Visualforce, a framework including an XML syntax typically used to generate HTML. The Force.com platform typically receives three complete releases a year. As the platform is provided as a service to its developers, every single development instance also receives all these updates.

In here we work on how to Set up the Company Profile, Configuring the user Interface, setting up Activities and Calendars, Configuring Search Settings, Setting up Chatter Groups, Mobile Access with salesforce.

Introduction

Salesforce is a cloud-based software company that provides its customers with a platform to develop their own applications without following the tough steps that they used to follow in the legacy system. The software or application once created can be uploaded onto the cloud allowing the end-users to view them.

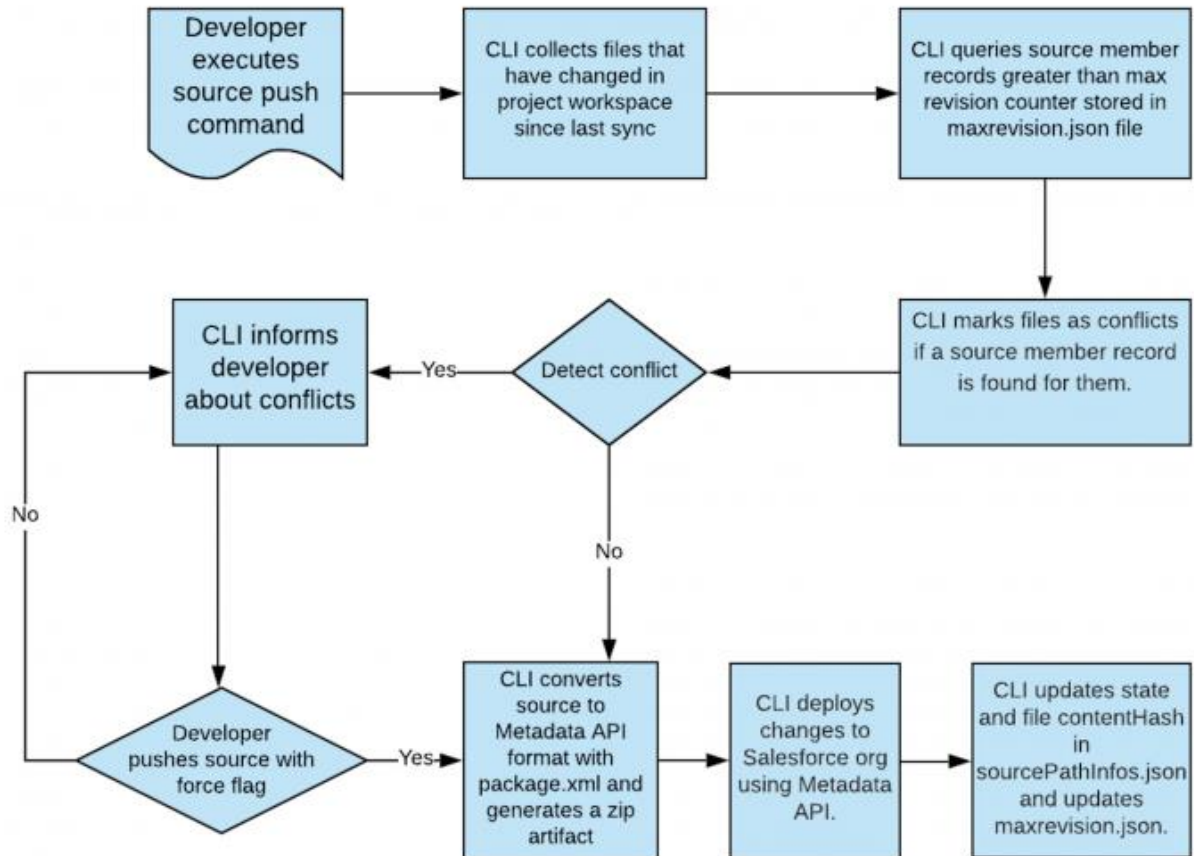
Salesforce is currently providing various software solutions and platforms for developers to create and distribute custom software/applications. Tech giants like Google, Twitter, Amazon, and Facebook are using Salesforce either in the form of SaaS or PaaS.



Salesforce developers can make an application on the cloud and share it with multiple companies across multiple domains by using Salesforce.

Talking about HR systems, every company across the globe has an HR team. Each HR team would require an HR application to store employee records. Almost all specifications for such an application would be common for all companies. So, as a developer, it would be very easy to create a Salesforce application for such specifications, post it onto the cloud, and provide it as a service to multiple clients at the same time. Maintenance of the same can be done altogether too. So basically, the problem of scalability gets eliminated.

Flow of the Project



Software Requirements

For the fastest and most stable experience, we recommend:

- An Octane 2.0 score of 30,000 or greater
- Network latency of 150ms or less
- Download speed of 3 Mbps or greater
- At least 8 GB of RAM, with 3 GB available for Salesforce browser tabs

Minimum requirements are:

- An Octane 2.0 score of 20,000 or greater
- Network latency of 200ms or less
- Download speed of 1 Mbps or greater
- At least 5 GB of RAM, with 2 GB available for Salesforce browser tabs

OR

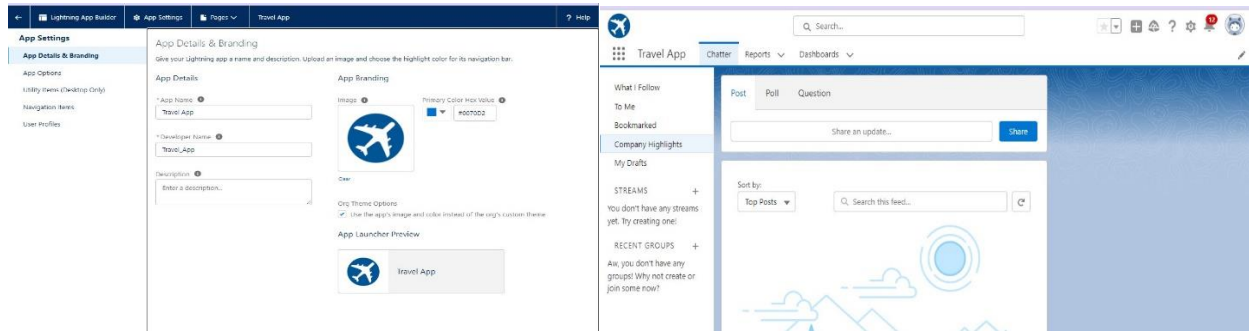
Requirements	
Windows	
Operating system	Windows 8.1 64-bit, Windows 8 64-bit, Windows 7 Service Pack 1 64-bit, Windows Vista Service Pack 2 64-bit
CPU	Core 2 Quad Q6600 at 2.4 GHz or AMD Phenom 9850 at 2.5 GHz
Memory	4 GB RAM
Free space	65 GB of free space
Graphics hardware	DirectX 10-compatible GPU : GeForce 9800GT 1GB or ATI Radeon HD 4870 1GB
Sound hardware	DirectX 10 compatible sound card

Screenshots

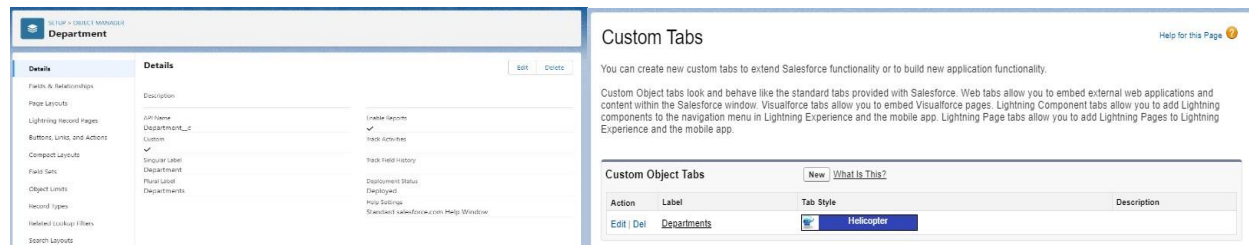
Module 1:

Exercise 1

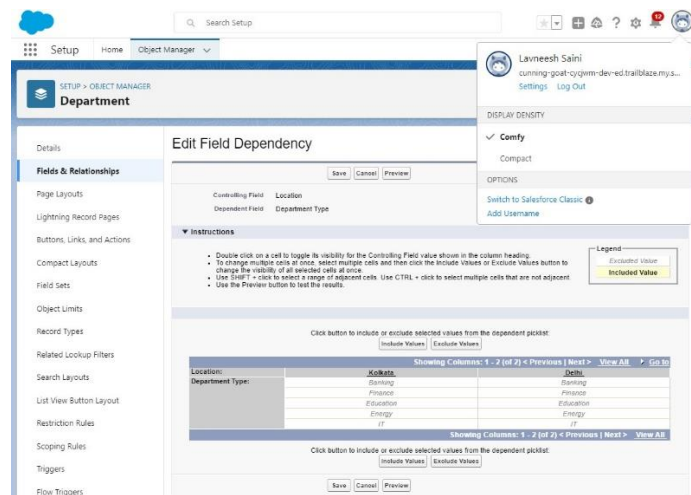
Step 1:



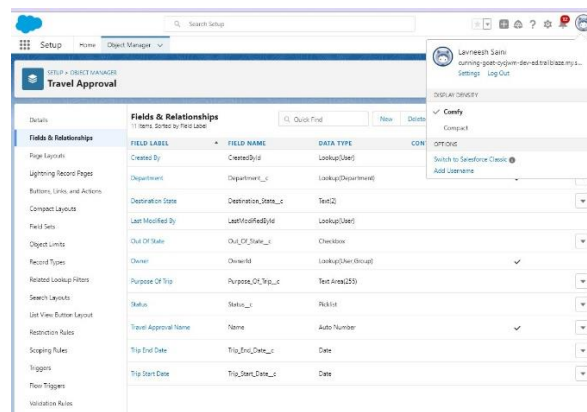
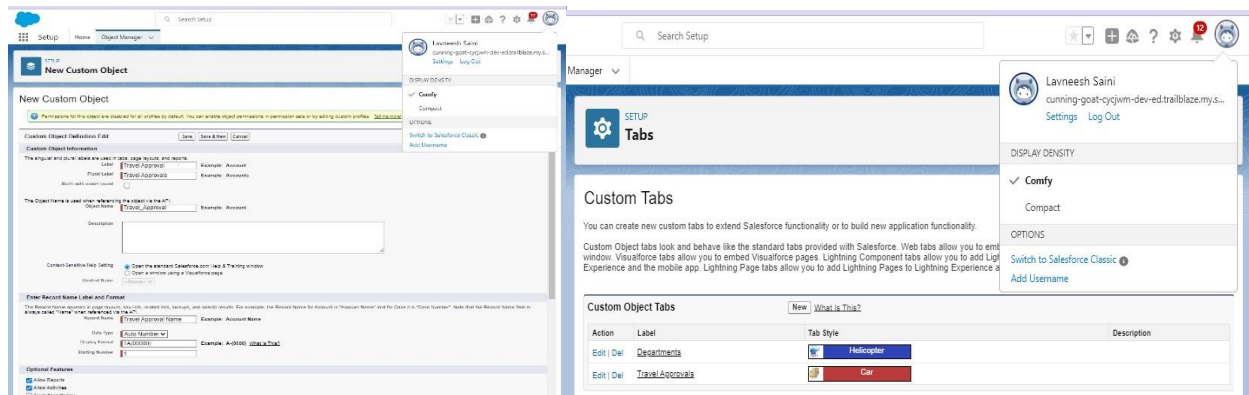
Step 2:



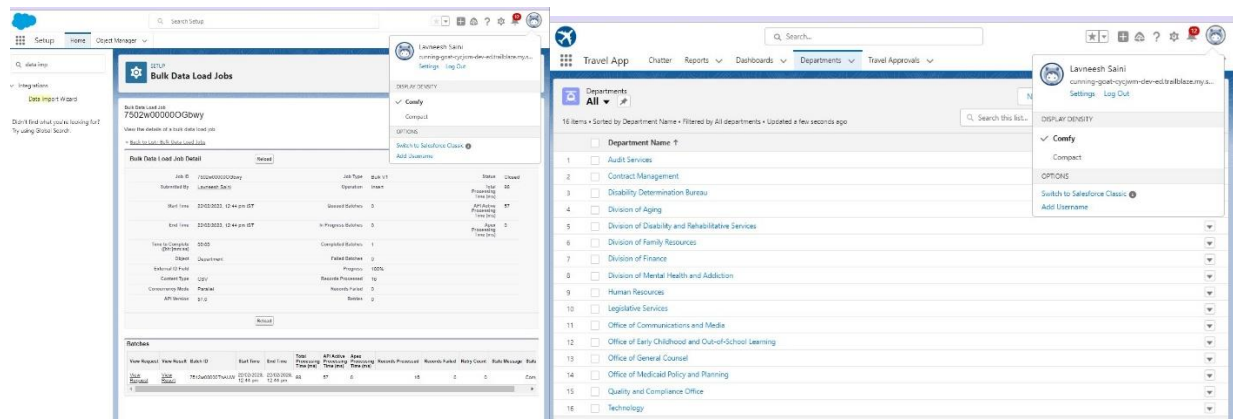
Step 3:



Step 4:



Step 5:



Exercise 2:

Step 1:

The screenshot displays two overlapping Salesforce interface windows. The background window, titled 'Travel Approval TA00001', shows a record overview with fields for Travel Approval # (TA00001), Status (Draft), Out Of State (checked), Destination State (CA), and Trip Info (Purpose: Attend Dreamforce, Start Date: 23/02/2023, End Date: 27/03/2023). It also lists the owner as Lavneesh Saini and the department as Technology. The foreground window, titled 'Edit TA00001', provides a form to update these details, including fields for Status, Out Of State, Destination State, and Trip Info, along with 'Cancel', 'Save & New', and 'Save' buttons.

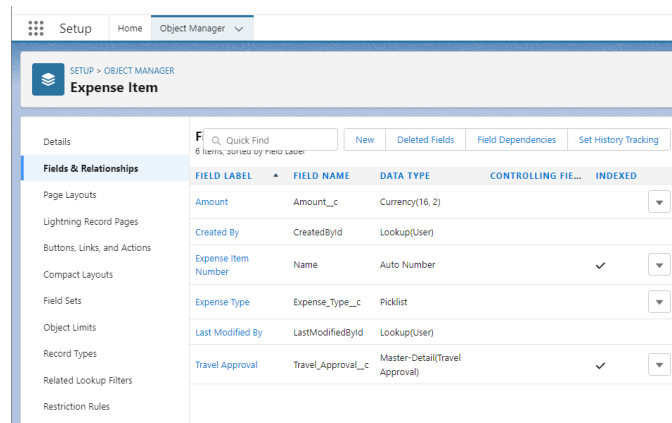
Step 2:

The screenshot shows the 'Expense Item' configuration page within Salesforce Setup > Object Manager. The left sidebar lists various configuration options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Restriction Rules. The main 'Details' section contains the following configuration:

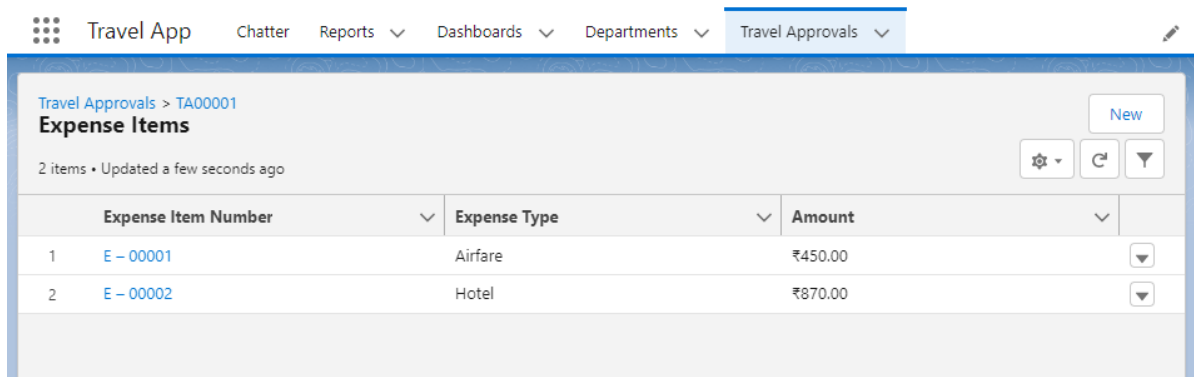
Field	Value
Description	
API Name	Expense_Item__c
Custom	✓
Singular Label	Expense Item
Plural Label	Expense Items
Enable Reports	✓
Track Activities	
Track Field History	
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

Buttons for 'Edit' and 'Delete' are located at the top right of the configuration area.

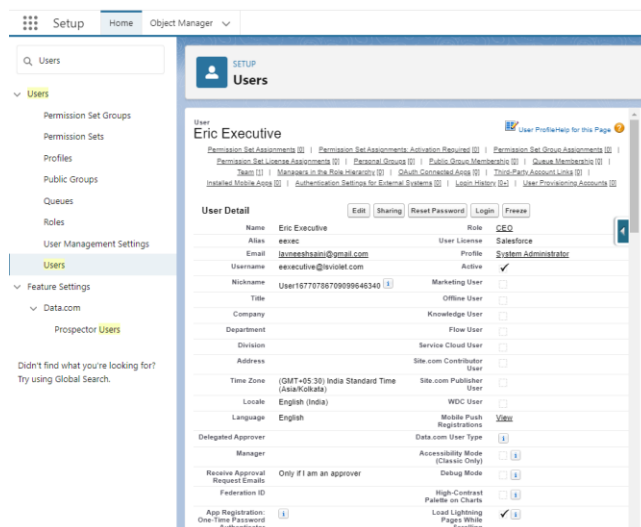
Step 3:



Step 4:



Step 5:



Step 6:

The screenshot shows the 'Users' page in the Salesforce Setup interface. The page is divided into several sections for configuring a user:

- Email Encoding:** Set to 'Unicode (UTF-8)'.
- Employee Number:** A text input field.
- Start of day:** Set to '6:00 am'.
- End of day:** Set to '11:00 pm'.
- Individual:** A text input field.
- Mailing Address:** Fields for Street, City, Zip/Postal Code, State/Province, and Country (set to 'IN').
- Single Sign On Information:** A field for Federation ID.
- Locale Settings:** Fields for Time Zone (set to '(GMT+05:30) India Standard Time (Asia/Kolkata)'), Locale (set to 'English (India)'), and Language (set to 'English').
- Approver Settings:** Fields for Delegated Approver, Manager (set to 'Eric Executive'), and Receive Approval Request Emails (set to 'Only if I am an approver').

At the bottom, there are buttons for 'Save', 'Save & New', and 'Cancel'.

Step 7:

The screenshot shows the 'Object Manager' page in the Salesforce Setup interface, specifically for the 'Travel Approval' object. The page is divided into a left sidebar and a main content area.

Left Sidebar:

- Setup
- Home
- Object Manager

Main Content Area:

- Details:** Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters.
- Search Layouts:** List View Button Layout, Restriction Rules, Scoping Rules, Triggers, Flow Triggers.

Travel Approval Search Results:

Select the fields to include in this search layout. Note that your choices only determine the display of search results and do not affect the fields that are actually searched. Your selections also determine the fields that are available to users when customizing their search results columns. Please refer to the online help for [more information on search fields](#).

Available Fields		Selected Fields
Record ID	Add Remove	Travel Approval #
Out Of State		Purpose Of Trip
Total Expenses		Department
Owner Alias		Status
Owner First Name		Destination State
Owner Last Name		Trip Start Date
Created By Alias		Trip End Date
Created By		
Created Date		
Last Modified By Alias		
Last Modified By		

☐ Override the search result column customizations for all users

Standard Buttons

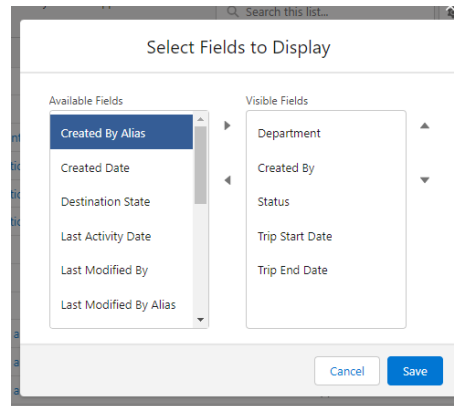
There are no customizable standard buttons for this view.

Custom Buttons

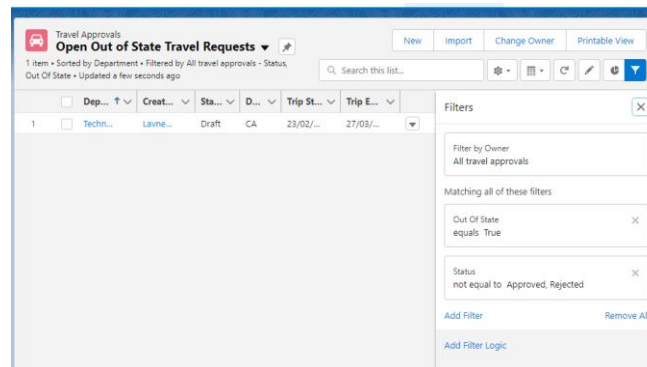
[Click here to create a new custom list button](#)

Save Cancel

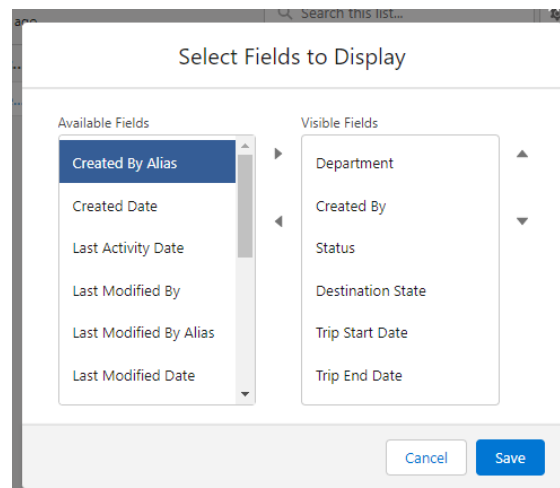
Step 8:



Step 9:



Step 10:



Step 11:

The screenshot shows the Salesforce Setup interface for configuring the 'Travel Approval' object layout. The left sidebar lists various configuration options, with 'Page Layouts' selected. The main area displays the 'Travel Approval Detail' page layout. At the top, there are tabs for 'Fields', 'Buttons', 'Quick Actions', 'Mobile & Lightning Actions', 'Expanded Lookups', 'Related Lists', and 'Report Charts'. The 'Fields' tab is active, showing a list of fields to be added to the layout. Below the field list, there are sections for 'Standard Buttons' and 'Custom Buttons'. The 'Information' section shows details for the 'Travel Approval' object, including its status, owner, and department. The 'Trip Info' section shows details for a specific trip, including its purpose, start date, and end date. The 'System Information' section shows details for the system, including the user who created the record and the last modified date.

Setup > OBJECT MANAGER

Travel Approval

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Save Quick Save Preview As... Cancel Undo Redo Layout Properties

Fields

Quick Find Field Name

Section Destination State Purpose Of Trip Trip End Date

Blank Space Last Modified By Status Trip Start Date

Created By Out Of State Total Expenses

Department Owner Travel Approval #

Travel Approval Detail

Standard Buttons

Edit Delete Clone Change Owner Change Record Type

Printable View Sharing Sharing Hierarchy Submit for Approval

Custom Buttons

Information (Header visible on edit only)

Travel Approval # GEN-2004-001234 Owner Sample Text

Status Sample Text Department Sample Text

Out Of State ✓

Destination State Sample Text

Trip Info

Purpose Of Trip Sample Text

Trip Start Date 26/02/2023

Trip End Date 26/02/2023

System Information (Header visible on edit only)

Created By Sample Text Last Modified By Sample Text

Step 12:

The screenshot shows the same Salesforce Setup interface as in Step 11, but with the 'Related List Properties - Expense Items' dialog box open. The dialog box allows you to configure the fields and buttons for the 'Expense Items' related list. It includes a 'Columns' section with a list of available fields and a list of selected fields. The 'Sort By' dropdown is set to 'Default', and the 'Ascending' radio button is selected. The 'Buttons' section at the bottom of the dialog box contains 'OK', 'Cancel', and 'Revert to Defaults' buttons.

Setup > OBJECT MANAGER

Travel Approval

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Triggers

Save Quick Save Preview As... Cancel Undo Redo Layout Properties

Related List Properties - Expense Items

Columns

Select fields to display on the related list. You can also re-order the selected fields.

Available Fields

Created By

Created By Alias

Created Date

Last Modified By

Last Modified By Alias

Last Modified Date

Record ID

Selected Fields

Expense Item Number

Expense Type

Amount

Sort By: --Default--

Ascending

Descending

Buttons

OK Cancel Revert to Defaults

Step 13:

Feed Tracking

Enable feed tracking for objects so users can follow records of that object type. Select fields to track so users can see feed updates when those fields are changed on records they follow.

Fields in travel approvals

You can select up to 9 fields.

<input type="checkbox"/> Department	<input type="checkbox"/> Destination State
<input type="checkbox"/> Out Of State	<input type="checkbox"/> Owner
<input type="checkbox"/> Purpose Of Trip	<input type="checkbox"/> Status
<input type="checkbox"/> Travel Approval #	<input type="checkbox"/> Trip End Date
<input type="checkbox"/> Trip Start Date	

You can also display feed activity for related objects.

☐ All Related Objects

☒ Enable Feed Tracking

[Reset Defaults](#)

Travel App Chatter Reports Dashboards Departments Travel Approvals

What I Follow
To Me
Bookmarked
Company Highlights
My Drafts

STREAMS +
You don't have any streams yet. Try creating one!

RECENT GROUPS +
Aw, you don't have any groups! Why not create or join some now?

Post Poll Question

Share an update... [Share](#)

Sort by: Top Posts Search this feed...

Lavneesh Saini
23 February 2023 at 10:36 am
@Eric Executive Which Department should I associate this travel request with?

[Like](#) [Comment](#) [Share](#) 1 comment · Seen by 1

Eric Executive
3 days ago
Technology is the correct department.
[Like](#)

[Write a comment...](#)

Einstein Recommendations

- Eric Executive**
Your manager
- Integration User**
Joined in the last week
- Security User**
Joined in the last week

Travel App Chatter Reports Dashboards Departments Travel Approvals

Travel Approval
TA00001

[Follow](#) [New Contact](#) [New Opportunity](#) [New Case](#)

Details

Travel Approval #	TA00001	Owner	Lavneesh Saini
Status	Draft	Department	Technology
Out Of State	<input checked="" type="checkbox"/>		
Destination State	CA		

Trip Info

Purpose Of Trip	Attend Dreamforce
Trip Start Date	23/02/2023
Trip End Date	27/03/2023
Created By	Lavneesh Saini 22/02/2023, 12:50 pm
Last Modified By	Lavneesh Saini 26/02/2023, 11:19 am

Activity Chatter

Filters: All time • All activities • All types

[Refresh](#) [Expand All](#) [View All](#)

Upcoming & Overdue

No activities to show.
Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.

Module 2:

Exercise 1:

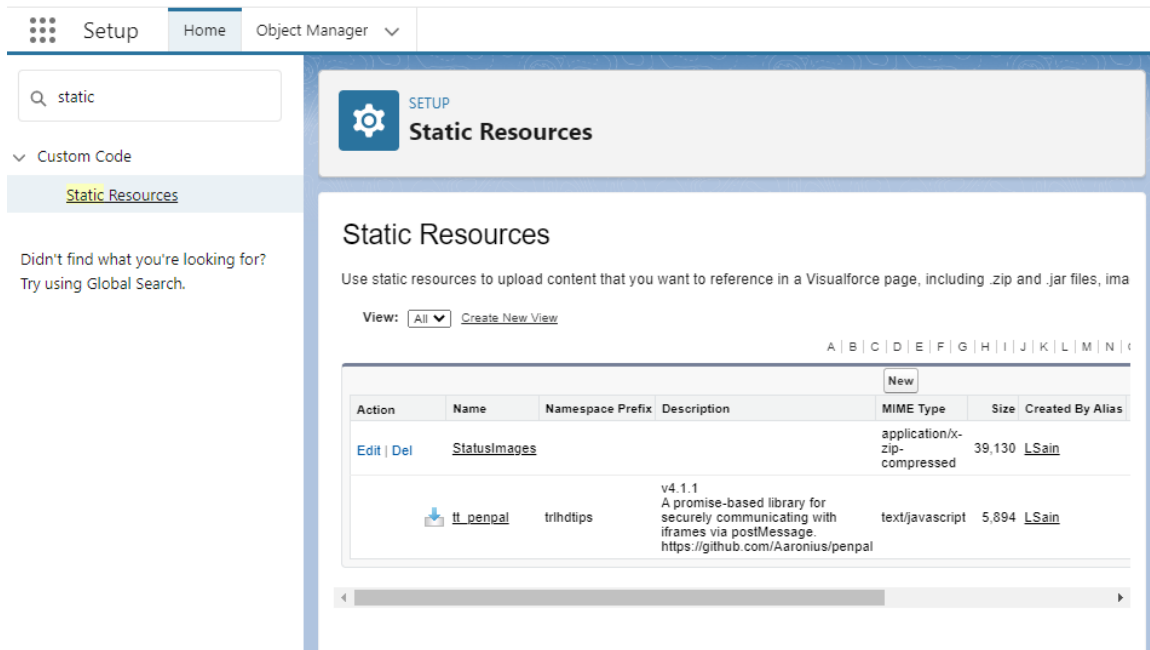
Step 1:

The screenshot shows the 'Travel Approval Validation Rule' configuration page in the 'Setup > Object Manager' section. 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, Related Lookup Filters, and Search Layouts. The main content area is titled 'Travel Approval Validation Rule' and includes a 'Help for this Page' link. Below the title is a 'Validation Rule Detail' section with 'Edit' and 'Clone' buttons. The rule is named 'Trip_end_date_after_start_date' and is active. The error condition formula is 'Trip_End_Date__c <= Trip_Start_Date__c'. The error message states: 'Trip end date must be greater than or equal to start date. Make sure to keep "Active" selected/checked. Name: Trip end date after start date. Business Logic: Trip end date must always be greater than (>=) the trip start date.' The error location is 'Trip End Date'. The description field is empty. The rule was created by 'Lavneesh Saini' on 23/02/2023 at 3:03 pm and modified by the same user on 23/02/2023 at 3:57 pm. 'Edit' and 'Clone' buttons are also present at the bottom of the detail section.

Step 2:

The screenshot shows the 'Custom Field Definition Edit' page for the 'Total Expenses' custom field in the 'Travel Approval' object. The left sidebar is the same as in Step 1, with 'Fields & Relationships' selected. The main content area is titled 'Custom Field Definition Edit' and includes 'Save' and 'Cancel' buttons. The 'Field Information' section contains fields for 'Field Label' (Total Expenses), 'Field Name' (Total_Expenses), 'Description', and 'Help Text'. The 'Data Owner' is set to 'User', 'Field Usage' is 'None', and 'Data Sensitivity Level' is 'None'. The 'Compliance Categorization' section shows 'Available' categories (PII, HIPAA, GDPR, PCI) and 'Chosen' categories. The 'Roll-Up Summary Options' section shows 'Date Type' as 'Roll-Up Summary', 'Calculation Options' as 'Automatic calculation (Recommended)', and 'Force a mass recalculation of this field' as an unchecked option. The 'Select Object to Summarize' section shows 'Master Object' as 'Travel Approval' and 'Summarized Object' as 'Expense Items'. The 'Select Roll-Up Type' section shows 'COUNT', 'SUM' (selected), 'MIN', and 'MAX' options. The 'Field to Aggregate' is set to 'Amount'. The 'Filter Criteria' section shows 'All records should be included in the calculation' as the selected option. 'Save' and 'Cancel' buttons are at the bottom.

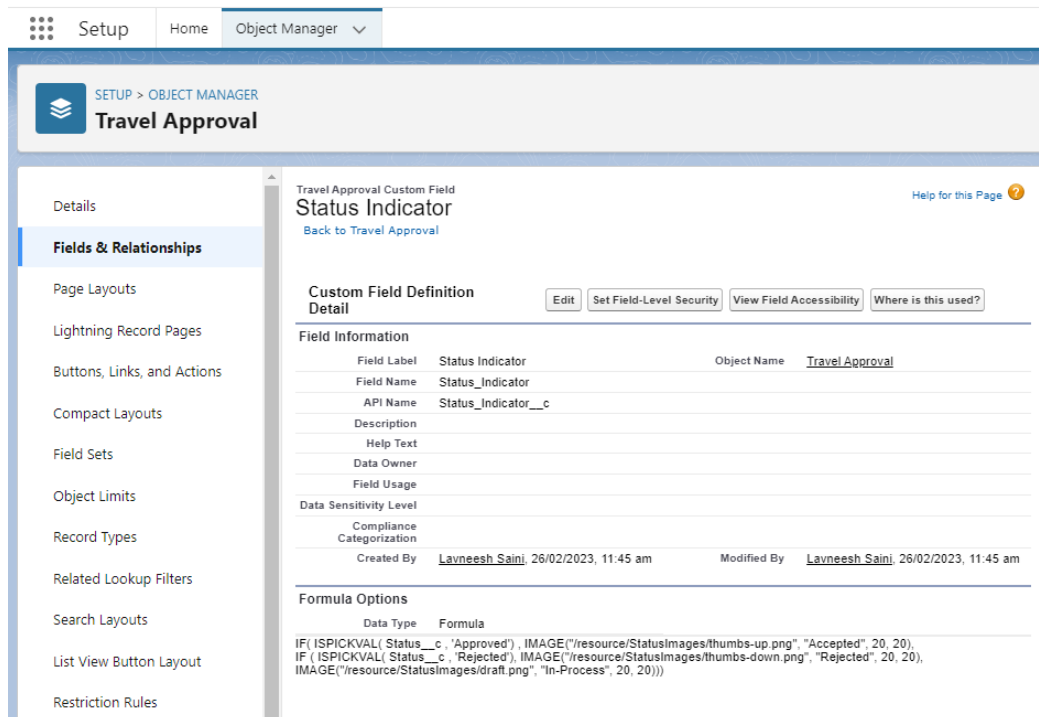
Step 3:



The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with "static" entered and a "Static Resources" link under "Custom Code". 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, ima". Below this is a table of static resources.

Action	Name	Namespace Prefix	Description	MIME Type	Size	Created By Alias
Edit Del	StatusImages			application/x-zip-compressed	39,130	LSain
	tt_penpal	trihdtips	v4.1.1 A promise-based library for securely communicating with iframes via postMessage. https://github.com/Aaronius/penpal	text/javascript	5,894	LSain

Step 4:



The screenshot shows the Salesforce Setup interface for a custom field. The left sidebar has a search bar and a "Travel Approval" link under "Object Manager". The main content area is titled "Travel Approval Custom Field Status Indicator" and includes a "Custom Field Definition Detail" section.

Field Information	
Field Label	Status Indicator
Field Name	Status_Indicator
API Name	Status_Indicator__c
Description	
Help Text	
Data Owner	
Field Usage	
Data Sensitivity Level	
Compliance Categorization	
Created By	Lavneesh Saini , 26/02/2023, 11:45 am
Modified By	Lavneesh Saini , 26/02/2023, 11:45 am

Formula Options

Data Type	Formula
	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)))

Step 5:

Configure Start

Select Object

Object

Travel Approval

Configure Trigger

Trigger the Flow When:

☐ A record is created

☐ A record is updated

☒ A record is created or updated

☐ A record is deleted

Set Entry Conditions

Specify entry conditions to reduce the number of records that trigger the flow and the number of times the flow is executed, minimizing unnecessary flow executions and to conserve your org's resources.

If you create a flow that's triggered when a record is updated, we recommend first defining entry conditions. Then select the **Only when a record is updated** to meet the condition requirements option for when to run the flow for updated records.

Condition Requirements

None

Optimize the Flow For:

Fast Field Updates

Update fields on the record that triggers the flow to run. This high-performance flow runs after the record is saved to the database.

Actions and Related Records

Update any record and perform actions. Use send an email. This more flexible flow runs after the record is saved to the database.

☐ Include a Run Asynchronously path to access an external system after the original transaction for the triggering record is successfully committed

Cancel

Next

Edit Decision

Is Travel Out of State? (Is_Travel_Out_of_State)

Outcomes

For each path the flow can take, create an outcome. For each outcome, specify the conditions that must be met for the flow to take that path.

OUTCOME ORDER

Yes Out of State

In State

Default Outcome

None

OUTCOME DETAILS

Label

Yes Out of State

Outcome API Name

Yes_Out_of_State

Condition Requirements to Execute Outcome

All Conditions Are Met (AND)

Resource

Record > Destination State X

Operator

Does Not Equal

Value

TX

Add Condition

When to Execute Outcome

☐ If the condition requirements are met

☒ Only if the record that triggered the flow to run is updated to meet the condition requirements

Cancel

Done

Edit Update Records

Update Salesforce records using values from the flow.

Update Travel Approval Record (Update_Travel_Approval_Record)

How to Find Records to Update and Set Their Values

☒ Use the travel approval record that triggered the flow

☐ Update records related to the travel approval record that triggered the flow

☐ Use the IDs and all field values from a record or record collection

☐ Specify conditions to identify records, and set fields individually

Because this flow runs before a record is saved, you can only update the record that triggered the flow to run. To update other records, configure the trigger to run the flow after the record is saved.

Set Filter Conditions

Condition Requirements to Update Record

None—Always Update Record

Set Field Values for the Travel Approval Record

Field

Out_Of_State_c

Value

True X

Add Field

Cancel

Done

Edit Update Records

Update Salesforce records using values from the flow.

Update Travel Approval Record (Update_Travel_Approval_Record)

How to Find Records to Update and Set Their Values

☒ Use the travel approval record that triggered the flow

☐ Update records related to the travel approval record that triggered the flow

☐ Use the IDs and all field values from a record or record collection

☐ Specify conditions to identify records, and set fields individually

Because this flow runs before a record is saved, you can only update the record that triggered the flow to run. To update other records, configure the trigger to run the flow after the record is saved.

Set Filter Conditions

Condition Requirements to Update Record

None—Always Update Record

Set Field Values for the Travel Approval Record

Field

Out_Of_State_c

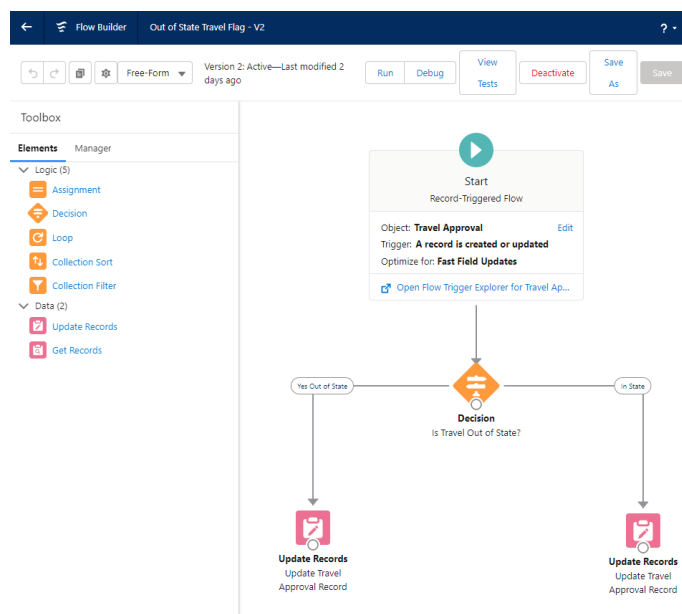
Value

False X

Add Field

Cancel

Done



Step 6:

Setup

Home

Object Manager

Q: approv

▼ Data

Mass Transfer Approval Requests

▼ Process Automation

Approval Processes

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

SETUP

Approval Processes

Approval Processes

Travel Approval: Travel Approval Request

[Back to Approval Process List](#)

Help for this Page

Process Definition Detail

EditCloneDeactivate

Process NameTravel Approval RequestActive

Unique NameTravel_Approval_RequestNext Automated ApproverManager of Record Submitter

Description

Entry CriteriaTrue

Record EditabilityAdministrator ONLYAllow Submitters to Recall Approval Requests

Approval Assignment Email Template

Initial SubmittersTravel Approval Owner

Created ByLavneesh Saini24/02/2023, 10:30 amModified ByLavneesh Saini24/02/2023, 10:34 am

Initial Submission Actions

Add ExistingAdd New

Action	Type	Description
	Record Lock	Lock the record from being edited

Approval Steps

Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions Edit	1	Step 1			Manager	Final Rejection
Show Actions Edit	2	Travel_Coordinator_Approval	Travel Approval: Out Of State EQUALS True		User:Eric Executive	Final Rejection

Final Approval Actions

Add ExistingAdd New

Action	Type	Description
Edit	Record Lock	Lock the record from being edited
Edit Remove	Field Update	Set Status to Approved

Final Rejection Actions

Add ExistingAdd New

Action	Type	Description
Edit	Record Lock	Unlock the record for editing
Edit Remove	Field Update	Set Status to Rejected

Recall Actions

Add ExistingAdd New

Action	Type	Description
	Record Lock	Unlock the record for editing

Back To Top

Always showing more records than related list

Exercise 2:

Step 1:

The first screenshot shows the 'Import your Data into Salesforce' wizard. It has three tabs: 'Choose data', 'Edit mapping', and 'Start import'. The 'Choose data' tab is active, showing options to 'Add new records' or 'Update existing records'. The 'Edit mapping' tab is also visible, showing a table of mappings.

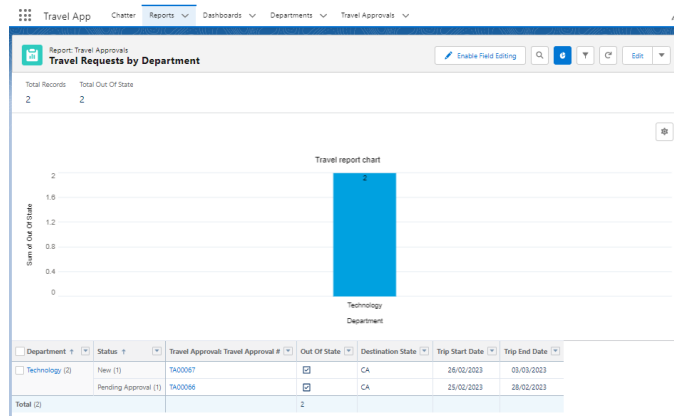
The second screenshot shows the 'Edit Field Mapping: Travel Approvals' screen. It displays a table of mappings between CSV headers and Salesforce fields.

Edit	Mapped Salesforce Object	CSV Header	Example	Example	Example
Change	Department	Department	Office of Co	Disability De	Division of Disability and Rehabilitative Services
Change	Destination State	Destination State	FL	OK	OK
Change	Purpose Of Trip	Purpose of Trip	White-Kutch	Ranoffson,	Homenick, Waters and Guskovski
Change	Trip Start Date	Trip Start Date	6/14/19	10-01-2019	04-03-2019
Change	Trip End Date	Trip End Date	6/15/19	10-01-2019	04-06-2019
Change	Status	Status	Approved	Approved	Rejected

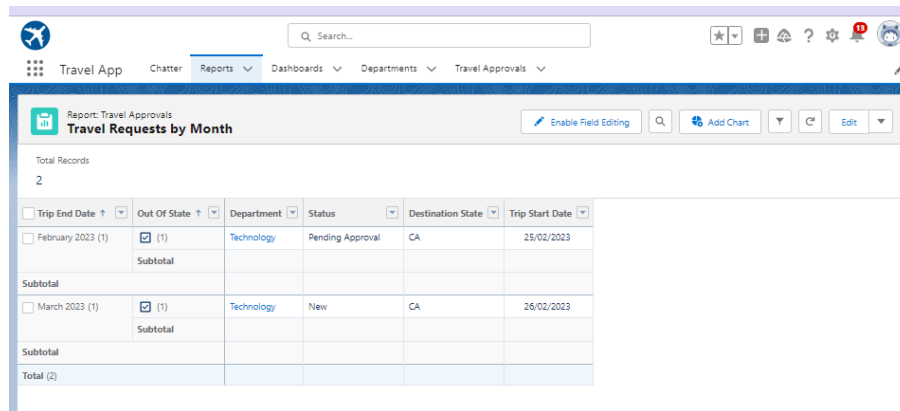
The screenshot shows the 'Travel Approvals' list view in Salesforce. The list is sorted by Department and filtered by All travel approvals. It contains 35 items.

	Department	Created By	Status	Trip Start Date	Trip End Date
1	Audit Services	Lavneesh Saini	Approved	07/08/2019	07/09/2019
2	Audit Services	Lavneesh Saini	Approved	11/04/2019	11/07/2019
3	Contract Management	Lavneesh Saini	Approved	07/05/2019	07/08/2019
4	Disability Determination Bureau	Lavneesh Saini	Rejected	03/06/2019	03/07/2019
5	Disability Determination Bureau	Lavneesh Saini	Rejected	07/05/2019	07/09/2019
6	Disability Determination Bureau	Lavneesh Saini	Approved	07/04/2019	07/10/2019
7	Division of Aging	Lavneesh Saini	Approved	11/05/2019	11/11/2019
8	Division of Aging	Lavneesh Saini	Approved	01/03/2019	01/07/2019
9	Division of Aging	Lavneesh Saini	Approved	09/02/2019	09/10/2019
10	Division of Disability and Rehabilitative Services	Lavneesh Saini	Rejected	04/03/2019	04/06/2019
11	Division of Disability and Rehabilitative Services	Lavneesh Saini	Approved	11/06/2019	11/12/2019
12	Division of Disability and Rehabilitative Services	Lavneesh Saini	Approved	10/11/2019	10/12/2019
13	Division of Family Resources	Lavneesh Saini	Rejected	11/04/2019	11/11/2019
14	Division of Family Resources	Lavneesh Saini	Rejected	11/03/2019	11/05/2019
15	Division of Finance	Lavneesh Saini	Approved	02/01/2019	02/04/2019
16	Division of Finance	Lavneesh Saini	Rejected	12/05/2019	12/06/2019
17	Division of Finance	Lavneesh Saini	Rejected	06/09/2019	06/12/2019
18	Division of Mental Health and Addiction	Lavneesh Saini	Approved	11/05/2019	11/09/2019
19	Human Resources	Lavneesh Saini	Approved	07/09/2019	07/11/2019
20	Human Resources	Lavneesh Saini	Approved	05/02/2019	05/12/2019
21	Legislative Services	Lavneesh Saini	Approved	10/04/2019	10/05/2019
22	Office of Communications and Media	Lavneesh Saini	Approved	06/02/2019	06/12/2019
23	Office of Communications and Media	Lavneesh Saini	Approved	12/04/2019	12/10/2019
24	Office of Early Childhood and Out-of-School Learning	Lavneesh Saini	Approved	03/03/2019	03/05/2019
25	Office of Early Childhood and Out-of-School Learning	Lavneesh Saini	Approved	09/02/2019	09/12/2019
26	Office of Early Childhood and Out-of-School Learning	Lavneesh Saini	Approved	02/02/2019	02/04/2019
27	Office of General Counsel	Lavneesh Saini	Approved	12/06/2019	12/08/2019
28	Office of General Counsel	Lavneesh Saini	Approved	03/02/2019	03/08/2019
29	Office of Medicaid Policy and Planning	Lavneesh Saini	Approved	11/05/2019	11/11/2019

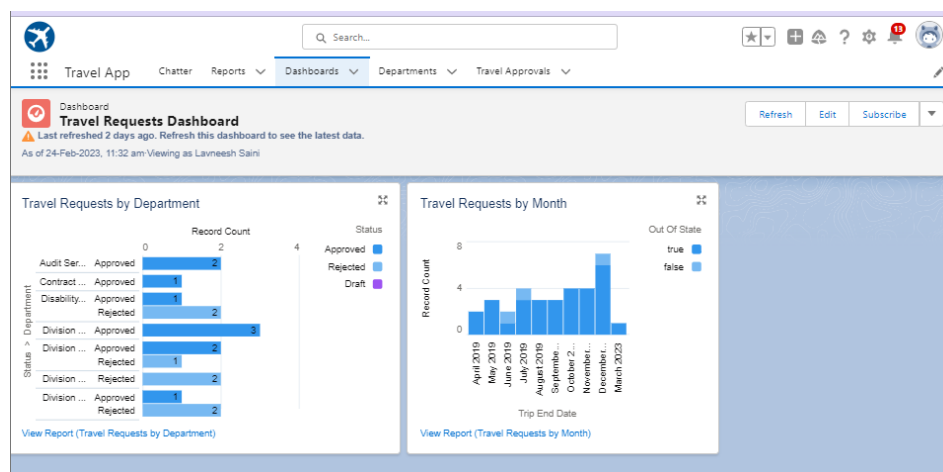
Step 2:



Step 3:



Step 4:



Module 3:

Exercise 1:

The screenshots illustrate the steps to create and configure a custom application in Salesforce:

- App Settings:** The 'App Details & Branding' section shows the app name 'Code Playground', developer name 'Code_Playground', and a description. The 'App Branding' section shows the app logo and theme options.
- Object Manager:** The 'Customer' object is configured with details, fields, and relationships. The 'Fields & Relationships' table lists fields like 'Active', 'Created By', 'Customer Name', 'Customer Type', 'Description', 'Last Modified By', and 'Owner'.
- Object Manager:** The 'Billing' object is configured with details, fields, and relationships. The 'Fields & Relationships' table lists fields like 'Amount Paid', 'Bill Number', 'Created By', 'Customer Type', 'Last Modified By', 'Owner', and 'Status'.
- Custom Tabs:** The 'Custom Tabs' section shows the configuration of tabs for the application, including 'Accounts', 'Contacts', 'Opportunities', 'Customers', and 'Billings'.
- Code Playground:** The final view of the custom application, showing a list of accounts with columns for Account Name, Account Number, Billing State, Phone, Type, and Account Owner.

Exercise 2:

The screenshot shows the Salesforce IDE interface. On the left, a code editor displays the following Apex code:

```
1 string s = 'Hello Lavneesh';  
2 System.debug(s.endsWith('Saini'));
```

Below the code editor is a table with columns: User, Application, Operation, Time, Status, Read, and Size. It shows two log entries for user 'Lavneesh Saini'.

User	Application	Operation	Time	Status	Read	Size
Lavneesh Saini	Unknown	/services/data/v57.0/...	2/25/2023, 11:55:32	Success	Unread	2.13 KB
Lavneesh Saini	Unknown	/services/data/v57.0/...	2/25/2023, 11:55:32	Success	Unread	2.13 KB

On the right, the 'Log' window displays the execution log for the Apex code. It shows a list of events with timestamps and details, including heap allocation and statement execution.

The screenshot shows the Salesforce IDE interface. On the left, a code editor displays the following Apex code:

```
1 Date xDate = Date.today();  
2 Date yDate = xDate.addDays(30);  
3 System.debug(yDate);
```

Below the code editor is a table with columns: User, Application, Operation, Time, Status, Read, and Size. It shows three log entries for user 'Lavneesh Saini'.

User	Application	Operation	Time	Status	Read	Size
Lavneesh Saini	Unknown	/services/data/v57.0/...	2/25/2023, 12:00:04 PM	Success	Unread	2.39 KB
Lavneesh Saini	Unknown	/services/data/v57.0/...	2/25/2023, 12:00:04 PM	Success	Unread	2.39 KB
Lavneesh Saini	Unknown	/services/data/v57.0/...	2/25/2023, 12:00:04 PM	Success	Unread	2.43 KB

On the right, the 'Log' window displays the execution log for the Apex code. It shows a list of events with timestamps and details, including heap allocation and statement execution.

The screenshot shows the Salesforce IDE interface. On the left, a code editor displays the following Apex code:

```
1 String x = '10';  
2 Integer y = 20;  
3 Integer z = Integer.valueOf(x) * y;  
4 System.debug(z);
```

Below the code editor is a table with columns: User, Application, Operation, Time, Status, Read, and Size. It shows two log entries for user 'Lavneesh Saini'.

User	Application	Operation	Time	Status	Read	Size
Lavneesh Saini	Unknown	/services/data/v57.0/...	2/25/2023, 12:13:39 PM	Success	Unread	2.35 KB
Lavneesh Saini	Unknown	/services/data/v57.0/...	2/25/2023, 12:13:39 PM	Success	Unread	2.35 KB

On the right, the 'Log' window displays the execution log for the Apex code. It shows a list of events with timestamps and details, including heap allocation and statement execution.

File • Edit • Debug • Test • Workspace • Help • < >

Enter Apex Code

```
1 String x = 'Lavneesh';
2 System.debug(x.length());
3
```

☐ Open Log

Log executeAnonymous 02/25/2023, 12:18:15 PM

Execution Log

Timestamp	Event	Details
12:18:15:002	USER_DEBUG	[1]DEBUG:9

☐ This Frame ☐ Executable ☒ Debug Only ☐ Filter [Click here to filter the log](#)

Logs	Tests	Checkpoints	Query Editor	View State	Progress	Problems
User	Application	Operation	Time	Status	Read	Size
Lavneesh Sami	Unknown	/services/data/v57.0/	2/25/2023, 12:17:23 PM	Success	Unread	2.07 KB

File • Edit • Debug • Test • Workspace • Help • < >

Enter Apex Code

```
1 List<Integer> lx = new List<Integer>();
2
3 //Add
4 lx.add(1);
5 lx.add(2);
6 lx.add(3);
7 lx.add(4);
8 lx.add(5);
9
10 //Get
11 System.debug(lx);
12 Integer xNumber = lx.get(0);
13 System.debug(xNumber);
14
15 //Set
16 lx.set(0, 100);
17 System.debug(lx);
18
19 //Clear
20 lx.clear();
21 System.debug(lx);
```

☐ Open Log

Log executeAnonymous 02/25/2023, 12:10:59 PM

Execution Log

Timestamp	Event	Details
12:10:59:003	USER_DEBUG	[11]DEBUG:[1, 2, 3, 4, 5]
12:10:59:003	USER_DEBUG	[13]DEBUG:1
12:10:59:003	USER_DEBUG	[17]DEBUG:[100, 2, 3, 4, 5]
12:10:59:003	USER_DEBUG	[21]DEBUG:[]

☐ This Frame ☐ Executable ☒ Debug Only ☐ Filter [Click here to filter the log](#)

Logs	Tests	Checkpoints	Query Editor	View State	Progress	Problems
User	Application	Operation	Time	Status	Read	Size
Lavneesh Sami	Unknown	/services/data/v57.0/	2/25/2023, 12:10:59 PM	Success	Unread	4.04 KB
Lavneesh Sami	Unknown	/services/data/v57.0/	2/25/2023, 12:09:25 PM	Success	Unread	4.04 KB

File • Edit • Debug • Test • Workspace • Help • < >

Enter Apex Code

```
1 Integer x = 20;
2 Integer count = 20;
3
4 * while (x > 12) {
5     Integer res = count-x;
6     System.debug('Value of x is:' +res);
7     x--;
8 }
9
10 * for(integer x = 0; x < 10; x = x + 1){
11     system.debug('value of x is:' + x);
12 }
13
```

☐ Open Log

Log executeAnonymous 02/25/2023, 12:26:11 PM

Execution Log

Timestamp	Event	Details
12:26:11:002	USER_DEBUG	[6]DEBUG:Value of x is:0
12:26:11:002	USER_DEBUG	[6]DEBUG:Value of x is:1
12:26:11:002	USER_DEBUG	[6]DEBUG:Value of x is:2
12:26:11:003	USER_DEBUG	[6]DEBUG:Value of x is:3
12:26:11:003	USER_DEBUG	[6]DEBUG:Value of x is:4
12:26:11:003	USER_DEBUG	[6]DEBUG:Value of x is:5
12:26:11:003	USER_DEBUG	[6]DEBUG:Value of x is:6
12:26:11:003	USER_DEBUG	[6]DEBUG:Value of x is:7
12:26:11:003	USER_DEBUG	[11]DEBUG:Value of x is:8
12:26:11:003	USER_DEBUG	[11]DEBUG:Value of x is:1
12:26:11:003	USER_DEBUG	[11]DEBUG:Value of x is:2
12:26:11:003	USER_DEBUG	[11]DEBUG:Value of x is:3
12:26:11:003	USER_DEBUG	[11]DEBUG:Value of x is:4
12:26:11:004	USER_DEBUG	[11]DEBUG:Value of x is:5
12:26:11:004	USER_DEBUG	[11]DEBUG:Value of x is:6
12:26:11:004	USER_DEBUG	[11]DEBUG:Value of x is:7
12:26:11:004	USER_DEBUG	[11]DEBUG:Value of x is:8
12:26:11:004	USER_DEBUG	[11]DEBUG:Value of x is:9

☐ This Frame ☐ Executable ☒ Debug Only ☐ Filter [Click here to filter the log](#)

Logs	Tests	Checkpoints	Query Editor	View State	Progress	Problems
User	Application	Operation	Time	Status	Read	Size
Lavneesh Sami	Unknown	/services/data/v57.0/	2/25/2023, 12:26:11 PM	Success	Unread	10.75 KB
Lavneesh Sami	Unknown	/services/data/v57.0/	2/25/2023, 12:27:26 PM	Success	Unread	10.75 KB

Exercise 3:

The screenshot displays the Salesforce IDE interface. On the left, a window titled "Enter Apex Code" contains the following code:

```
1 Integer myluckyNumber = 15;  
2 Integer myunluckyNumber = 7;  
3 system.debug(myluckyNumber != myunluckyNumber + 8);  
4
```

Below the code editor, there are buttons for "Open Log", "Execute", and "Execute Highlighted".

On the right, the "Execution Log" window is open, showing a log entry for the anonymous Apex execution. The log entry is as follows:

Timestamp	Event	Details
12/25/2023, 12:32:55 PM	USER_DEBUG	[5]DEBUG:false

At the bottom, the "Logs" table is visible, showing the execution details:

User	Application	Operation	Time	Status	Read	Size
Lavineesh Sani	Unknown	/services/data/v57.0/...	2/25/2023, 12:32:29 PM	Success	Unread	2.41 KB

Exercise 4:

The screenshot displays the Salesforce IDE interface. On the left, a window titled "Enter Apex Code" contains the following code:

```
1 Boolean isTrue = True;  
2 Boolean isFalse = false;  
3 system.debug(isTrue || isFalse);
```

Below the code editor, there are buttons for "Open Log", "Execute", and "Execute Highlighted".

On the right, the "Execution Log" window is open, showing a log entry for the anonymous Apex execution. The log entry is as follows:

Timestamp	Event	Details
12/25/2023, 12:36:36 PM	USER_DEBUG	[5]DEBUG:true

At the bottom, the "Logs" table is visible, showing the execution details:

User	Application	Operation	Time	Status	Read	Size
Lavineesh Sani	Unknown	/services/data/v57.0/...	2/25/2023, 12:36:15 PM	Success	Unread	2.35 KB

Exercise 5:

The screenshot displays the Salesforce IDE interface. On the left, the 'Enter Apex Code' window contains the following code:

```
1 Date today = Date.today();
2 Date tomorrow = Date.today().addDays(1);
3 system.debug(today != tomorrow);
```

On the right, the 'Execution Log' window shows the results of the execution:

Timestamp	Event	Details
12:38:11:004	USER_DEBUG	[3]DEBUG:true

At the bottom, the 'Logs' table provides a summary of the execution:

User	Application	Operation	Time	Status	Read	Size
Lavaneesh Sami	Unknown	/services/data/v57.0/...	2/25/2023, 12:37:58 PM	Success	Unread	2.45 KB

Exercise 6:

The screenshot displays the Salesforce IDE interface. On the left, the 'Enter Apex Code' window contains the following code:

```
1 Integer Score = 70;
2 if (Score == 100) {
3     system.debug ('Grade: A+');
4 } else if (Score >= 90) {
5     system.debug ('Grade: A');
6 } else if (Score >= 80) {
7     system.debug ('Grade: B');
8 } else {
9     system.debug ('Grade: Failed');
10 }
11
```

On the right, the 'Execution Log' window shows the results of the execution:

Timestamp	Event	Details
12:43:31:003	USER_DEBUG	[9]DEBUG:Grade failed

At the bottom, the 'Logs' table provides a summary of the execution:

User	Application	Operation	Time	Status	Read	Size
Lavaneesh Sami	Unknown	/services/data/v57.0/...	2/25/2023, 12:43:09 PM	Success	Unread	2.5 KB

Exercise 7:

[illegible]

Exercise 8:

The screenshot shows the Salesforce IDE interface. At the top, the menu bar includes File, Edit, Debug, Test, Workspace, and Help. Below the menu bar, the document title is 'DiscountSalesApex.cls' and the log shows 'Log executed at Anonymous 02/25/2023, 1:53:18 PM'. The main editor area displays the following Apex code:

```

1 public class DiscountClass {
2     public static Decimal calculateDiscount(Integer price){
3         Decimal regularDiscount = 0.1;
4         Decimal finalPrice = price - price*regularDiscount;
5         return finalPrice;
6     }
7 }

```

Below the main editor, there is a smaller window titled 'Enter Apex Code' with the following code:

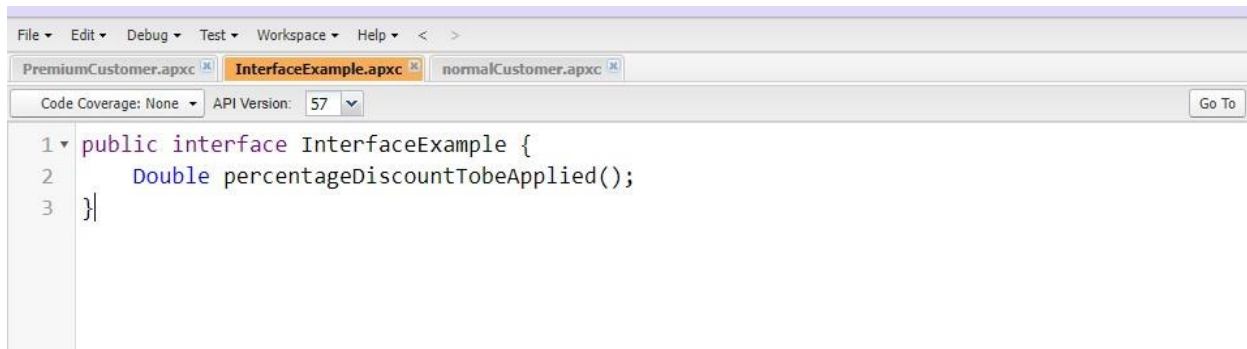
```

1 Decimal finalPrice= DiscountClass.calculateDiscount(100);
2 system.debug('finalPrice' +finalPrice);

```

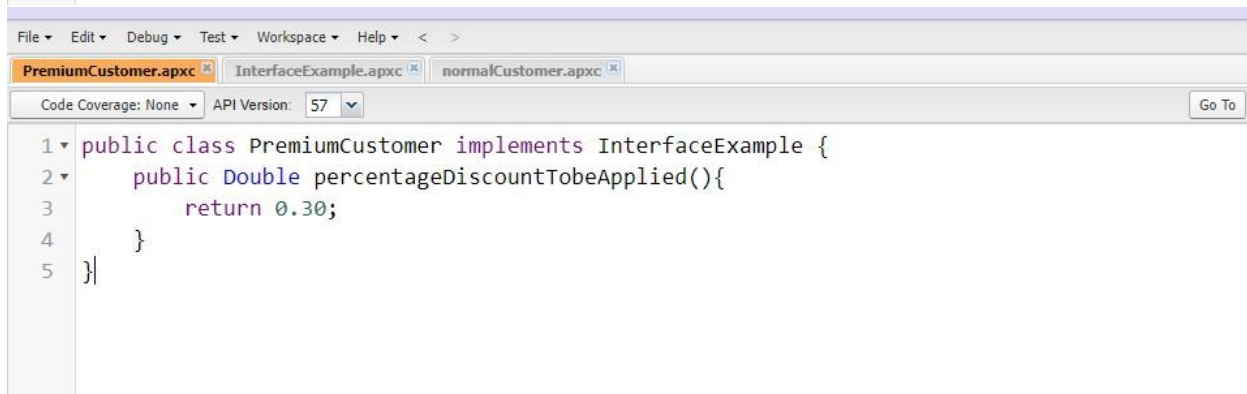
At the bottom of the IDE, there is a status bar with columns for Logs, Trails, Checkpoints, Query Editor, View State, Progress, Problems, User, Application, Operation, Time, Status, Read, and Size. The current status is: User: Lamesh Saini, Application: Unknown, Operation: /services/data/v57.0/tool, Time: 2/25/2023, 1:53:18 PM, Status: Success, Read: 3.41 KB.

Exercise 9:



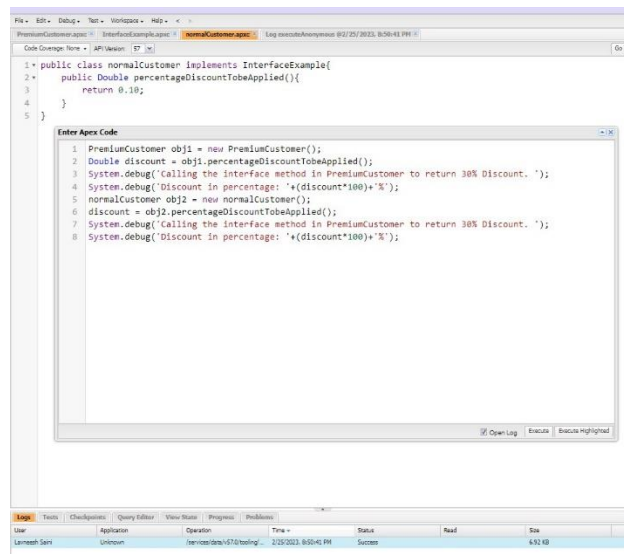
The screenshot shows the Apex IDE with the `InterfaceExample.apxc` file selected. The code defines a public interface `InterfaceExample` with a single method `percentageDiscountTobeApplied()` that returns a `Double`.

```
1 public interface InterfaceExample {  
2     Double percentageDiscountTobeApplied();  
3 }
```



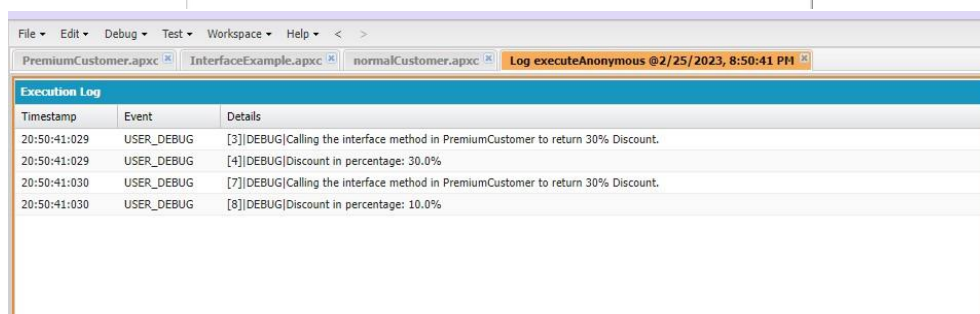
The screenshot shows the Apex IDE with the `PremiumCustomer.apxc` file selected. The code defines a public class `PremiumCustomer` that implements the `InterfaceExample` interface. The `percentageDiscountTobeApplied()` method returns the value `0.30`.

```
1 public class PremiumCustomer implements InterfaceExample {  
2     public Double percentageDiscountTobeApplied(){  
3         return 0.30;  
4     }  
5 }
```



The screenshot shows the Apex IDE with an anonymous Apex class being executed. The code creates instances of `PremiumCustomer` and `normalCustomer`, calls the `percentageDiscountTobeApplied()` method on each, and prints the results using `System.debug`. The output shows that `PremiumCustomer` returns 30% and `normalCustomer` returns 10%.

```
1 PremiumCustomer obj1 = new PremiumCustomer();  
2 Double discount = obj1.percentageDiscountTobeApplied();  
3 System.debug('Calling the interface method in PremiumCustomer to return 30% Discount. ');  
4 System.debug('Discount in percentage: '+(discount*100)+'%');  
5 normalCustomer obj2 = new normalCustomer();  
6 discount = obj2.percentageDiscountTobeApplied();  
7 System.debug('Calling the interface method in PremiumCustomer to return 30% Discount. ');  
8 System.debug('Discount in percentage: '+(discount*100)+'%');
```



The screenshot shows the Apex IDE with the `Execution Log` window open. The log displays the execution details of the anonymous Apex class, including the timestamp, event, and details of each step.

Timestamp	Event	Details
20:50:41:029	USER_DEBUG	[3] DEBUG Calling the interface method in PremiumCustomer to return 30% Discount.
20:50:41:029	USER_DEBUG	[4] DEBUG Discount in percentage: 30.0%
20:50:41:030	USER_DEBUG	[7] DEBUG Calling the interface method in PremiumCustomer to return 30% Discount.
20:50:41:030	USER_DEBUG	[8] DEBUG Discount in percentage: 10.0%

Exercise 10:

The screenshot displays the Salesforce IDE with the following components:

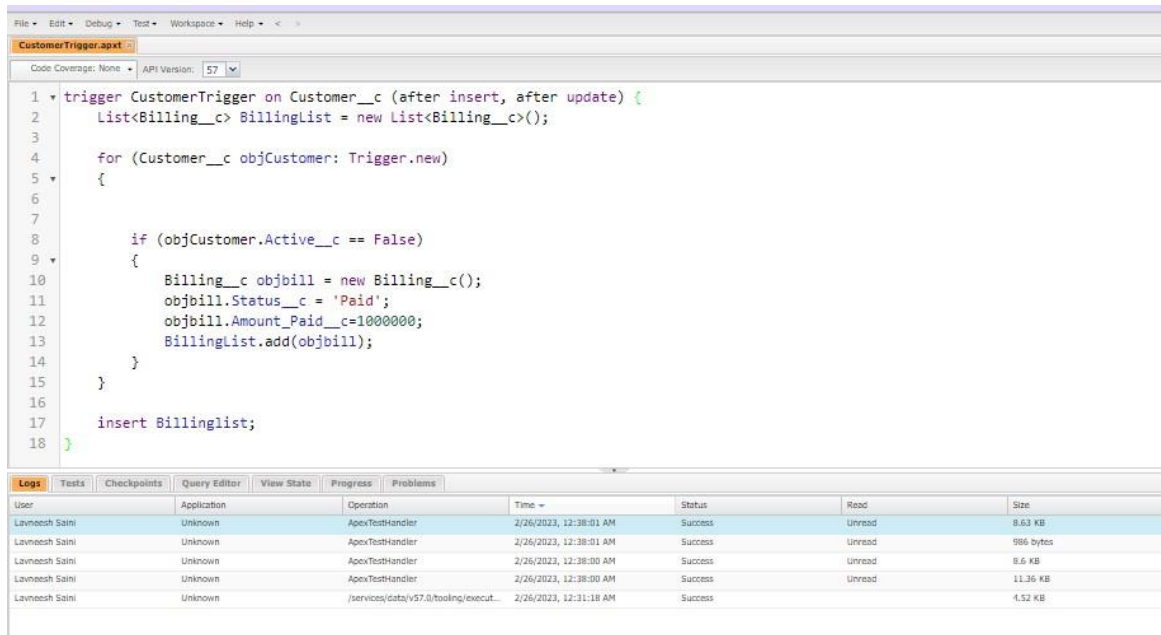
- Code Editor:** A Java class `Wipro` with a `test()` method. The code inserts a `Customer` record and a `Billing` record, then checks for errors and logs the results.
- Execution Log:** Shows the execution of the `test()` method, including the insertion of the `Customer` and `Billing` records. The log indicates that the `Billing` record was successfully inserted.
- Record Detail View:** A view of the `Wipro` record, showing fields like `Customer Name`, `Owner`, `Active`, `Customer Type`, and `Description`. The record is owned by `Lavneesh Sami`.

Exercise 11:

The screenshot displays the Salesforce Query Editor with the following components:

- Query Results:** A table showing 10 rows of data. The columns are `ID`, `Amount`, `StageName`, `AccountName`, `AccountIndustry`, and `AccountWebsite`. The data includes various stages like `Negotiation/Review`, `Proposal/Price Quote`, `Closed Won`, and `Needs Analysis`.
- Query Editor:** The query text is displayed in the editor, showing the `SELECT` statement and the `WHERE` clause.

Exercise 12:



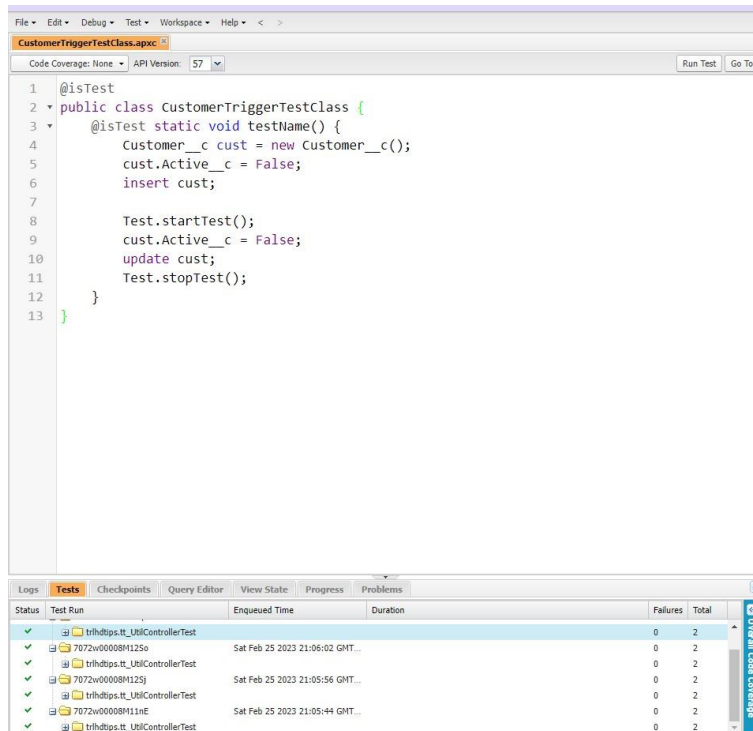
The screenshot displays the Salesforce IDE interface. The top pane shows the Apex code for a trigger named `CustomerTrigger.apex`. The code is as follows:

```
1 trigger CustomerTrigger on Customer__c (after insert, after update) {  
2     List<Billing__c> BillingList = new List<Billing__c>();  
3  
4     for (Customer__c objCustomer: Trigger.new)  
5     {  
6  
7  
8         if (objCustomer.Active__c == False)  
9         {  
10             Billing__c objbill = new Billing__c();  
11             objbill.Status__c = 'Paid';  
12             objbill.Amount_Paid__c=1000000;  
13             BillingList.add(objbill);  
14         }  
15     }  
16  
17     insert BillingList;  
18 }
```

The bottom pane shows the **Logs** tab with a table of log entries:

User	Application	Operation	Time	Status	Read	Size
Lavneesh Saini	Unknown	ApexTestHandler	2/26/2023, 12:38:01 AM	Success	Unread	8.63 KB
Lavneesh Saini	Unknown	ApexTestHandler	2/26/2023, 12:38:01 AM	Success	Unread	986 bytes
Lavneesh Saini	Unknown	ApexTestHandler	2/26/2023, 12:38:00 AM	Success	Unread	8.6 KB
Lavneesh Saini	Unknown	ApexTestHandler	2/26/2023, 12:38:00 AM	Success	Unread	11.36 KB
Lavneesh Saini	Unknown	/services/data/v57.0/tooling/execut...	2/26/2023, 12:31:18 AM	Success		4.52 KB

Exercise 13:



The screenshot displays the Salesforce IDE interface. The top pane shows the Apex code for a test class named `CustomerTriggerTestClass.apxc`. The code is as follows:

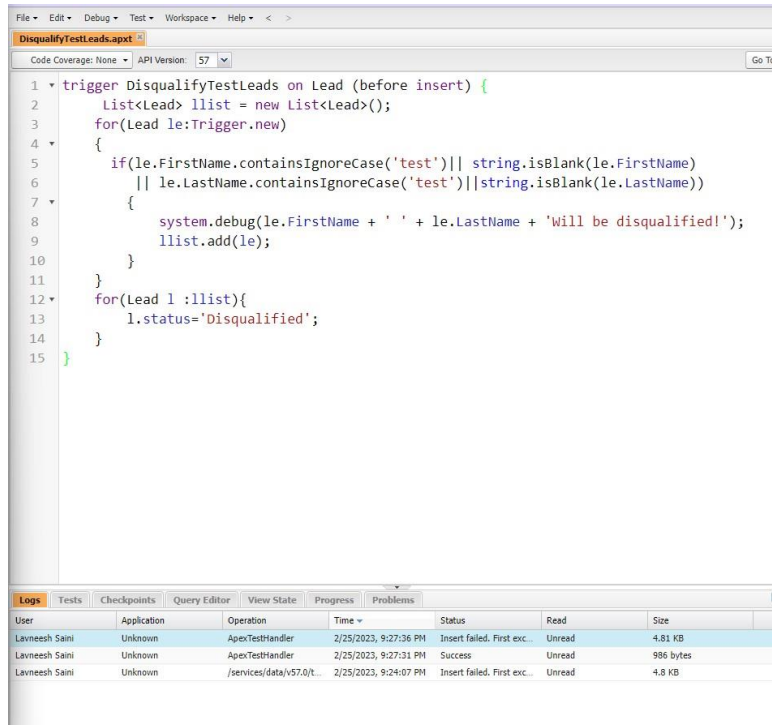
```
1 @isTest  
2 public class CustomerTriggerTestClass {  
3     @isTest static void testName() {  
4         Customer__c cust = new Customer__c();  
5         cust.Active__c = False;  
6         insert cust;  
7  
8         Test.startTest();  
9         cust.Active__c = False;  
10        update cust;  
11        Test.stopTest();  
12    }  
13 }
```

The bottom pane shows the **Tests** tab with a table of test results:

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	trhdtips.tt_UrlController/Test			0	2
✓	7072w000008H1250	Sat Feb 25 2023 21:06:02 GMT...		0	2
✓	trhdtips.tt_UrlController/Test			0	2
✓	7072w000008H1251	Sat Feb 25 2023 21:05:56 GMT...		0	2
✓	trhdtips.tt_UrlController/Test			0	2
✓	7072w000008H11nE	Sat Feb 25 2023 21:05:44 GMT...		0	2
✓	trhdtips.tt_UrlController/Test			0	2

On the right side of the test results table, there is a vertical bar labeled **Overall Code Coverage** with a value of 100%.

Exercise 14:

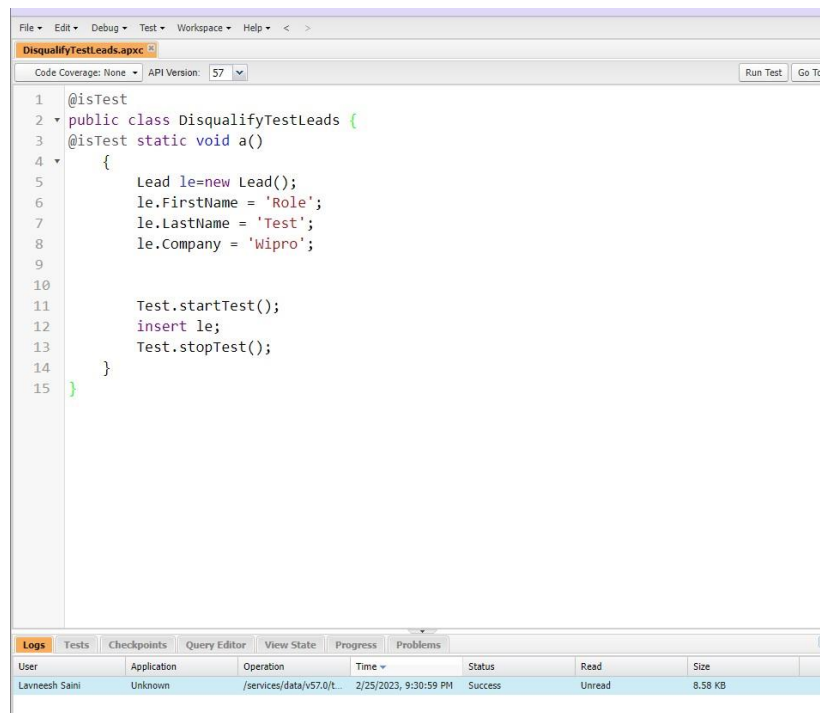


The screenshot shows the Salesforce IDE with an Apex trigger named `DisqualifyTestLeads.apex`. The trigger is a `before insert` trigger on the `Lead` object. It creates a list of leads, iterates through them, and disqualifies any lead whose first or last name contains the word 'test' (case-insensitive). The logs at the bottom show three entries: two failures and one success.

```
1 trigger DisqualifyTestLeads on Lead (before insert) {
2     List<Lead> llist = new List<Lead>();
3     for(Lead le:Trigger.new)
4     {
5         if(le.FirstName.containsIgnoreCase('test')|| string.isBlank(le.FirstName)
6         || le.LastName.containsIgnoreCase('test')||string.isBlank(le.LastName))
7         {
8             system.debug(le.FirstName + ' ' + le.LastName + 'Will be disqualified!');
9             llist.add(le);
10        }
11    }
12    for(Lead l :llist){
13        l.status='Disqualified';
14    }
15 }
```

User	Application	Operation	Time	Status	Read	Size
Lavneesh Saini	Unknown	ApexTestHandler	2/25/2023, 9:27:36 PM	Insert failed. First exc...	Unread	4.81 KB
Lavneesh Saini	Unknown	ApexTestHandler	2/25/2023, 9:27:31 PM	Success	Unread	986 bytes
Lavneesh Saini	Unknown	/services/data/v57.0/t...	2/25/2023, 9:24:07 PM	Insert failed. First exc...	Unread	4.8 KB

Exercise 15:



The screenshot shows the Salesforce IDE with an Apex test class named `DisqualifyTestLeads.apex`. The class contains a static method `a()` that creates a lead with the first name 'Role' and last name 'Test', inserts it, and then stops the test. The logs at the bottom show a single success entry.

```
1 @isTest
2 public class DisqualifyTestLeads {
3     @isTest static void a()
4     {
5         Lead le=new Lead();
6         le.FirstName = 'Role';
7         le.LastName = 'Test';
8         le.Company = 'Wipro';
9
10
11         Test.startTest();
12         insert le;
13         Test.stopTest();
14     }
15 }
```

User	Application	Operation	Time	Status	Read	Size
Lavneesh Saini	Unknown	/services/data/v57.0/t...	2/25/2023, 9:30:59 PM	Success	Unread	8.58 KB

Exercise 16:

The screenshot shows the Salesforce IDE with the Apex page code for `OppView.vfp`. The code is as follows:

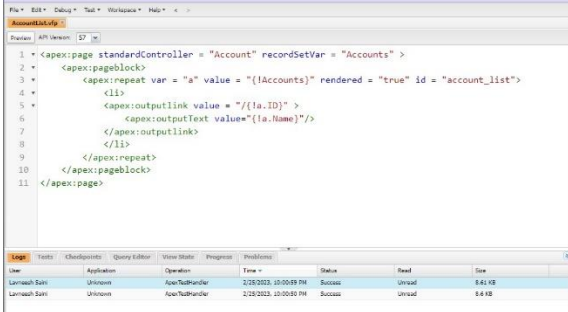
```
1 <apex:page standardController = "Opportunity">
2
3 <apex:pageBlock title = "Opportunities">
4 <apex:pageBlockSection >
5 <apex:outputField value="{! Opportunity.Name}"/>
6 <apex:outputField value="{! Opportunity.Amount}"/>
7 <apex:outputField value="{! Opportunity.CloseDate}"/>
8 <apex:outputField value="{! Opportunity.Account.Name}"/>
9
10 </apex:pageBlockSection>
11 </apex:pageBlock>
12 </apex:page>
```

Below the code editor, the **Logs** tab is selected, showing a table of log entries:

User	Application	Operation	Time	Status	Read	Size
Lavneesh Saini	Browser	/apex/OppView	2/25/2023, 9:52:43 PM	Success	Unread	1.18 KB
Lavneesh Saini	Unknown	ApexTestHandler	2/25/2023, 9:52:28 PM	Success	Unread	987 bytes
Lavneesh Saini	Unknown	ApexTestHandler	2/25/2023, 9:52:28 PM	Insert failed. First exc...	Unread	4.82 KB
Lavneesh Saini	Unknown	ApexTestHandler	2/25/2023, 9:52:28 PM	Success	Unread	8.61 KB
Lavneesh Saini	Unknown	ApexTestHandler	2/25/2023, 9:52:28 PM	Success	Unread	8.61 KB

Opportunities	
Opportunity Name	Amount
Close Date	Account Name

Exercise 17:



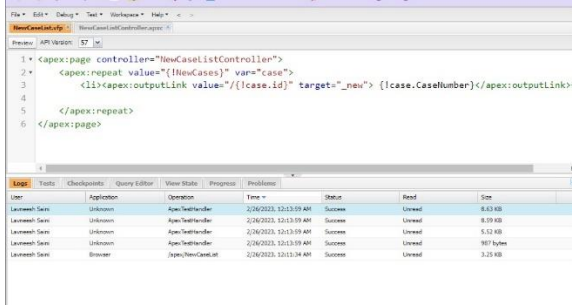
```

1 <apex:page standardController = "Account" recordSetVar = "Accounts" >
2 <apex:pageblock>
3   <apex:repeat var = "a" value = "{!Accounts}" rendered = "true" id = "account_list">
4     <li>
5       <apex:outputLink value = "{!a.ID}" >
6         <apex:outputText value="{!a.Name}" />
7       </apex:outputLink>
8     </li>
9   </apex:repeat>
10 </apex:pageblock>
11 </apex:page>

```

- [Burlington Textiles Corp of America](#)
- [Dickenson plc](#)
- [Edge Communications](#)
- [Express Logistics and Transport](#)
- [GenePoint](#)
- [Grand Hotels & Resorts Ltd](#)
- [Pyramid Construction Inc.](#)
- [Sample Account for Entitlements](#)
- [sForce](#)
- [United Oil & Gas Corp.](#)
- [United Oil & Gas Singapore](#)
- [United Oil & Gas UK](#)
- [University of Arizona](#)

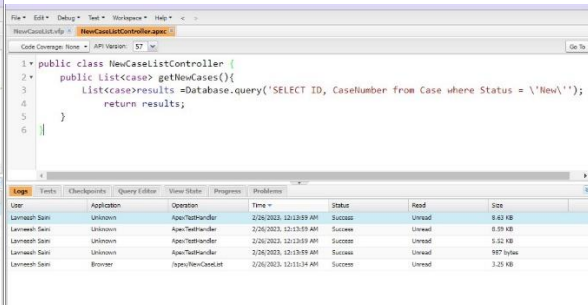
Exercise 18:



```

1 <apex:page controller="NewCaseListController">
2 <apex:repeat values="{!NewCases}" var="c">
3   <li><apex:outputLink value="{!c.ID}" target="_new"> {!c.CaseNumber}</apex:outputLink></li>
4 </apex:repeat>
5 </apex:page>

```



```

1 public class NewCaseListController {
2   public List<Case> getNewCases(){
3     List<Case> results = Database.query('SELECT ID, CaseNumber from Case where Status = \'New\');
4     return results;
5   }
6 }

```

- 00001002
- 00001016
- 00001024

References

1. [Manage sales - Salesforce IN](#)
2. [Salesforce - ADX201 Administrative Essentials for New Admins in Lightning Experience \(SFADX201\) \(qa.com\)](#)
3. [Understand the Salesforce Architecture Unit | Salesforce Trailhead](#)