



Capstone Project Report On

“Travel App”

Submitted by:

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Github Link:

<https://github.com/KaushikMandaloju/Capstone-Project.git>

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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 this Project we work on Creation of Travel App, with custom Objects and fields and flows to Automate the process of records, Creation of Approval process, modifying the user interface, creating reports and Dashboards for analytics purpose.

In this project we also develop the code playground app through a coding approach, by using Apex classes and Triggers we extend the functional capabilities of the App.

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.

Software Requirements

For the fastest and most stable experience, we recommend:

- An Octane 2.0 score of 30,000 or greater
- Network latency of 150 ms 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:

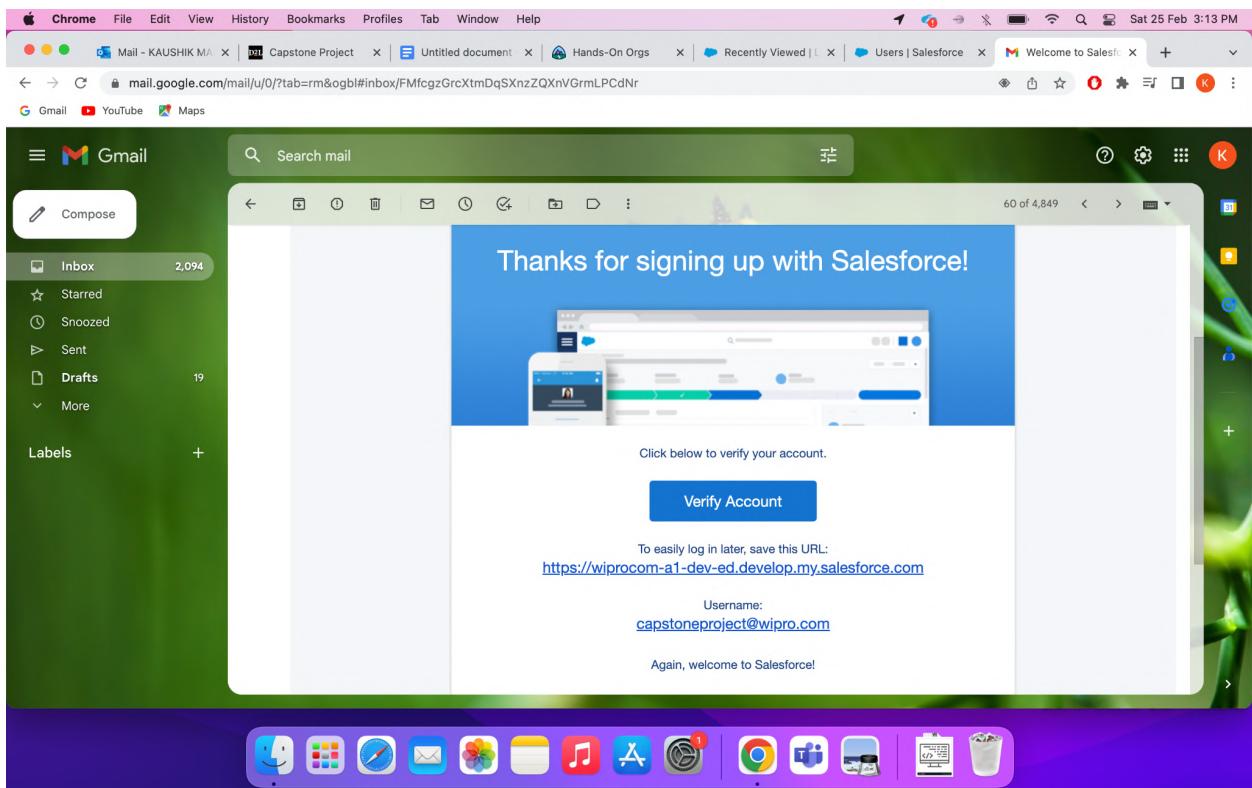
- An Octane 2.0 score of 20,000 or greater
- Network latency of 200 ms or less
- Download speed of 1 Mbps or greater
- At least 5 GB of RAM, with 2 GB available for Salesforce browser tabs

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

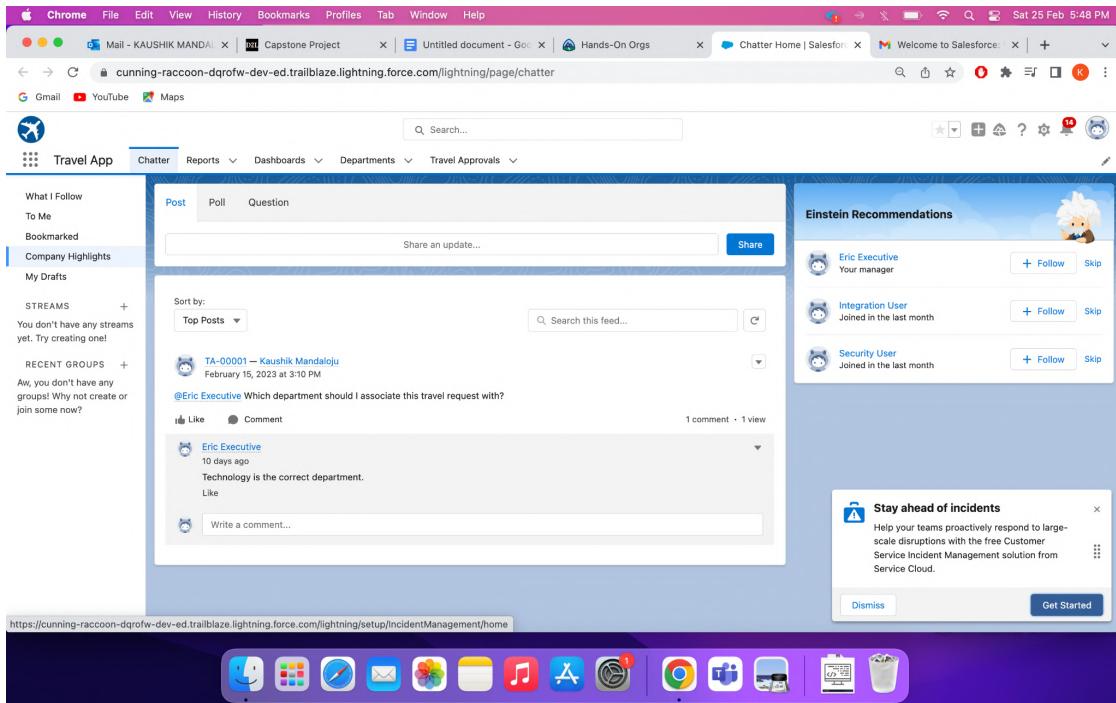
Module-1

Org Creation:-



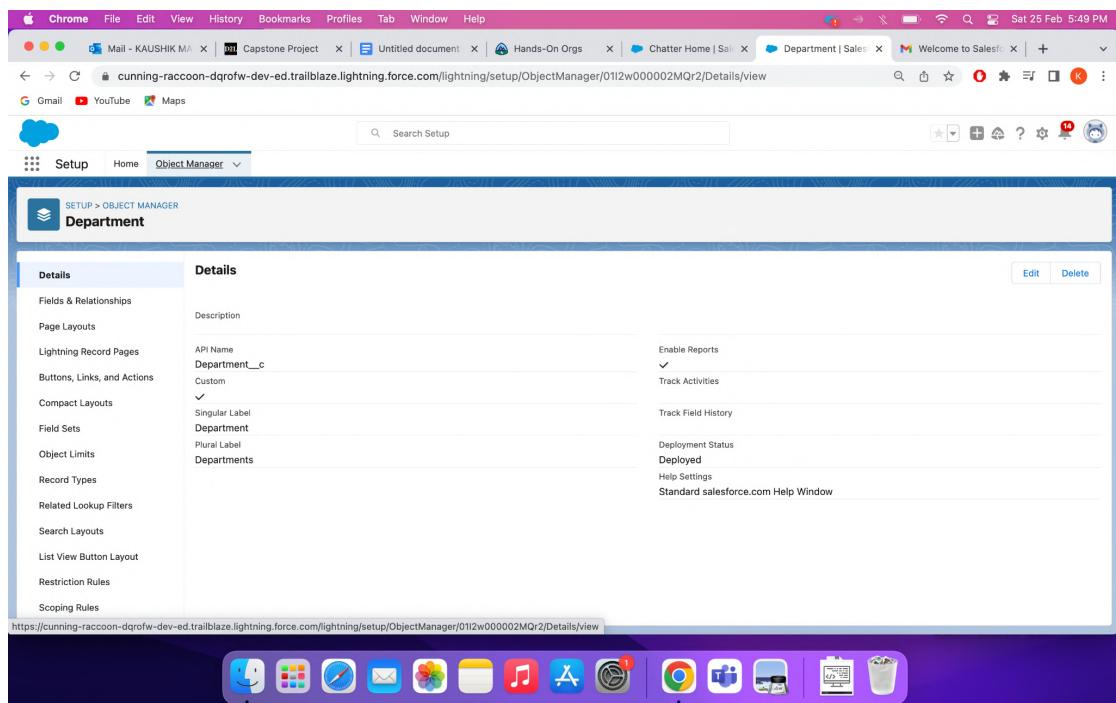
Exercise-1

Step-1 Created Custom Lightning App “TRAVEL APP”



Step-2

Created Department Custom Object



Created new custom object tab

The screenshot shows the Salesforce Setup interface. On the left, there's a sidebar with 'Setup' selected. Under 'User Interface', 'Tabs' is highlighted. A search bar at the top right says 'Search Setup'. The main content area shows a 'Custom Object Tab' titled 'Departments'. It has a 'Custom Tab Definition Detail' section with fields like 'Tab Label' (Departments), 'Object' (Department), 'Description' (Books), 'Created By' (Kaushik Mandalkar), and 'Modified By' (Kaushik Mandalkar). The 'Tab Style' is set to 'Books'. Below this, there's a note: 'Below is the information for the custom tab. Click Edit to change the custom tab.' A 'Help for this Page' link is also present.

Step-3 Created all the required Custom Fields

The screenshot shows the Salesforce Object Manager interface. On the left, there's a sidebar with 'Department' selected under 'Object Manager'. The main content area shows a table titled 'Fields & Relationships' with 5 items, sorted by Field Label. The table includes columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The data is as follows:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Department Code	Department_Code__c	Text(10) (Unique Case Sensitive)		
Department Name	Name	Text(80)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		

Created Field Dependency

The screenshot shows the Salesforce Setup interface with the URL cunning-raccoon-dqrofw-dev-ed.lightning.force.com/lightning/setup/ObjectManager/012w000002MQR2/FieldsAndRelationships/view. The page title is "Department". On the left, there is a sidebar with links like 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, and Scoping Rules. The main content area displays a table titled "Fields & Relationships" with 5 items. The table has columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The data in the table is as follows:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Department Code	Department_Code__c	Text(10) (Unique Case Sensitive)		
Department Name	Name	Text(80)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		

Step-4 Created the required Travel Approval Object

The screenshot shows the Salesforce Setup interface with the URL cunning-raccoon-dqrofw-dev-ed.lightning.force.com/lightning/setup/ObjectManager/012w000002MQsy/Details/view. The page title is "Travel Approval". On the left, there is a sidebar with links like 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, and Scoping Rules. The main content area displays a table titled "Details" with the following data:

	Description	Enable Reports	Track Activities	Track Field History	Deployment Status	Help Settings
API Name	Travel_Approval__c	✓	✓	✓	Deployed	Standard salesforce.com Help Window
Custom	✓					
Singular Label	Travel Approval					
Plural Label	Travel Approvals					

Created the required Fields

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Department	Department_c	Lookup(Department)		
Destination State	Destination_State__c	Text(2)		
Last Modified By	LastModifiedById	Lookup(User)		
Out-of-State	Out_of_State__c	Checkbox		
Owner	OwnerId	Lookup(User/Group)		
Purpose of Trip	Purpose_of_Trip__c	Text Area(255)		
Status	Status__c	Picklist		
Status Indicator	Status_Indicator__c	Formula (Text)		
Total Expenses	Total_Expenses__c	Roll-Up Summary (SUM Expense Item)		
Travel Approval #	Name	Auto Number		
Trip End Date	Trip_End_Date__c	Date		
Trip Start Date	Trip_Start_Date__c	Date		

After testing the App

Travel Approval
TA-00001

Related Details

Travel Approval # TA-00001
Status Approved
Total Expenses ₹1,320.00
Status Indicator

Trip Info

Purpose of Trip Attend Dreamforce
Trip Start Date 2/17/2023
Trip End Date 2/24/2023
Created By Kaushik Mandalaju, 2/15/2023, 12:06 PM

Owner Kaushik Mandalaju
Department Technology

Out-of-State
Destination State CA

Last Modified By Kaushik Mandalaju, 2/16/2023, 11:12 AM

Activity Chatter

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.

Step-5

Imported Departments.CSV file using Data Import Wizard

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "All | Departments" and displays a list of 16 departments. The list includes: Audit Services, Contract Management, Disability Determination Bureau, Division of Aging, Division of Disability and Rehabilitative Services, Division of Family Resources, Division of Finance, Division of Mental Health and Addiction, Human Resources, Legislative Services, Office of Communications and Media, Office of Early Childhood and Out-of-School Learning, Office of General Counsel, Office of Medicaid Policy and Planning, Quality and Compliance Office, and Technology. The browser interface includes a search bar, a toolbar with various icons, and a status bar at the bottom.

Exercise-2

Step-1

Created Travel Approval record

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Travel Approval TA-00001" and displays a detailed view of a travel approval record. The record includes the following information: Travel Approval # TA-00001, Owner Kaushik Mandalaju, Department Technology, Total Expenses ₹1,320.00, Status Approved, and Status Indicator (green thumbs up icon). Under the "Trip Info" section, it lists the Purpose of Trip as "Attend Dreamforce", Trip Start Date as 2/17/2023, and Trip End Date as 2/24/2023. It also shows the Last Modified By as Kaushik Mandalaju on 2/16/2023, 11:12 AM. On the right side of the screen, there is an "Activity" sidebar with a "Chatter" tab and a "Upcoming & Overdue" section which states "No activities to show." The browser interface includes a search bar, a toolbar with various icons, and a status bar at the bottom.

Step-2

Created Expense Item Custom Object

The screenshot shows the Salesforce Setup interface. The top navigation bar includes 'Chrome', 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Profiles', 'Tab', 'Window', and 'Help'. The status bar at the top right indicates 'Sat 25 Feb 6:12 PM'. The browser tab bar shows multiple open tabs, including 'Expense Item | Salesfo...', 'Welcome to Salesfo...', and 'Untitled document'. The main content area is titled 'SETUP > OBJECT MANAGER' and 'Expense Item'. On the left, a sidebar lists various setup categories like 'Fields & Relationships', 'Page Layouts', 'Buttons, Links, and Actions', etc. The main 'Details' section contains fields for 'Description', 'API Name' (set to 'Expense_Item__c'), 'Custom' (checked), 'Singular Label' (set to 'Expense Item'), 'Plural Label' (set to 'Expense Items'), 'Enable Reports' (checked), 'Track Activities' (checked), 'Track Field History' (unchecked), 'Deployment Status' (set to 'Deployed'), and 'Help Settings' (set to 'Standard salesforce.com Help Window'). At the bottom of the page, there is a URL: <https://cunning-raccoon-dqrofw-dev-ed.trailblaze.lightning.force.com/one/one.app#/setup/ObjectManager/0112w000002MR4w/FieldsAndRelationships/view>. The bottom of the screen shows a Mac OS X dock with various application icons.

Step-3

Created Custom fields

The screenshot shows the Salesforce Setup interface, similar to the previous one but with a different tab selected. The top navigation bar and status bar are identical. The main content area is titled 'SETUP > OBJECT MANAGER' and 'Expense Item'. The left sidebar shows 'Fields & Relationships'. The main 'Fields & Relationships' section displays a table with 6 items, sorted by Field Label. The table columns are 'FIELD LABEL', 'FIELD NAME', 'DATA TYPE', 'CONTROLLING FIELD', and 'INDEXED'. The data in the table is as follows:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Currency(16, 2)		
Created By	CreatedById	Lookup(User)		
Expense Item Number	Name	Auto Number		
Expense Type	Expense_Type__c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
Travel Approval	Travel_Approval__c	Master-Detail[Travel Approval]		

At the bottom of the page, there is a URL: <https://cunning-raccoon-dqrofw-dev-ed.trailblaze.lightning.force.com/one/one.app#/setup/ObjectManager/0112w000002MR4w/FieldsAndRelationships/view>. The bottom of the screen shows a Mac OS X dock with various application icons.

Step-4

Created Records

The screenshot shows a Salesforce Lightning interface for a Travel Approval record. The record ID is TA-00001. The page includes sections for Related (Expense Items and Approval History) and Details. The Approval History table shows the following steps:

Step Name	Date	Status	Assigned To
Travel Coordinator Approval	2/16/2023, 11:12 AM	Approved	Kaushik Mandaloju
Step 1	2/16/2023, 11:09 AM	Approved	Eric Exec Kaushik Mandaloju
Approval Request Submitted	2/16/2023, 11:05 AM	Submitted	Kaushik Mandaloju

Created User Eric

The screenshot shows the Salesforce Setup page for creating a new user. The user is named "Eric Executive". The User Detail section includes the following details:

- User Detail:**
 - Name: Eric Executive
 - Alias: exec
 - Email: kaushik.mandaloju@gmail.com
 - Username: eric.mandaloju@wipro.com
 - Nickname: eric.exec
 - Title:
 - Company:
 - Department:
 - Division:
 - Address:
 - Time Zone: (GMT+05:30) India Standard Time (Asia/Kolkata)
 - Locale: English (India)
 - Language: English
 - Delegated Approver:
 - Manager:
 - Receive Approval Request Emails: Only if I am an approver
 - Federation ID:
 - App Registration: One-Time Password Authenticated
- Role:** CEO, System Administrator (Active checked)
- User License:** Salesforce
- Profile:** System Administrator

Step-6

Added Eric Executive as manager to System Administrator

The screenshot shows the Salesforce Setup interface. In the left sidebar, under 'User Management Settings', the 'Users' section is selected. On the right, the 'Users' setup page is displayed. A specific user record for 'Eric Executive' is selected. The details shown include:

- Name: Eric Executive
- Alias: exec
- Email: kaushikmandaluj@gmail.com
- Username: eric.mandaluj@wipro.com
- Nickname: eric.exec
- Title: Company
- Department: Division
- Address: (GMT+05:30) India Standard Time (Asia/Kolkata)
- Time Zone: (GMT+05:30) India Standard Time (Asia/Kolkata)
- Locale: English (India)
- Language: English
- Delegated Approver: Manager (checkbox checked)
- Receive Approval Request Emails: Only if I am an approver
- Federation ID: App Registration: OneTrust External Authenticator (checkbox checked)
- App Registration: Salesforce Authenticator (checkbox checked)
- Security Key (2FA or WebAuthn): Lightning Login (checkbox checked)
- Temporary Verification Code (Expires in 1 to 24 Hours): [Generate] (button)
- Role: CEO
- User License: Salesforce
- Profile: System Administrator
- Active: checked
- Marketing User: unchecked
- Offline User: unchecked
- Knowledge User: unchecked
- Flow User: unchecked
- Service Cloud User: unchecked
- Site.com Contributor User: unchecked
- Site.com Publisher User: unchecked
- WDC User: unchecked
- Mobile Push Registrations: View (button)
- Data.com User Type: [Edit]
- Accessibility Mode (Classic Only): [Edit]
- Debug Mode: [Edit]
- High-Contrast Palette on Charts: [Edit]
- Load Lightning Pages While Scrolling: checked
- Send Apex Warning Emails: checked
- Salesforce CRM Content User: checked
- Receive Salesforce CRM Content Email Alerts: checked
- Receive Salesforce CRM Content Alerts as Daily Digest: checked
- Make Setup My Default Landing Page: [Edit]

Step-7

Customized the Travel Approval Default Search

The screenshot shows the Salesforce Setup interface. In the left sidebar, under 'Object Manager', the 'Travel Approval' object is selected. On the right, the 'Edit Search Layout' page for the 'Travel Approval Search Results' layout is displayed. The page includes:

- 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.
- Available Fields: Record ID, Out-of-State, Status Indicator, Bill Expenses, Owner Alias, Owner First Name, Owner Last Name, Created By Alias, Created By, Created Date, Last Modified By Alias.
- Selected Fields: Travel Approval #, Purpose of Trip, Department, Add, Remove, Up, Down.
- Buttons: Standard Buttons (none listed), Custom Buttons (link to create).
- Help for this Page: [Help].
- Save and Cancel buttons at the bottom.

Step-8

Selected all the fields to display

The screenshot shows a Salesforce Lightning interface. A modal window titled "Select Fields to Display" is open, listing various fields available for selection. The "Visible Fields" section includes "Travel Approval #", "Department", "Created By Alias", "Created Date", "Destination State", "Last Activity Date", "Last Modified By", and "Last Modified By Alias". The "Available Fields" section lists "Travel Approval #", "Department", "Created By", "Created Date", "Destination State", "Last Activity Date", "Last Modified By", and "Status". Below the modal, a list of travel approvals is visible, showing columns for "Travel Approval #", "Department", "Created By", "Status", "Destination State", "Trip Start Date", and "Trip End Date". The list includes entries for TA-00001 through TA-00017, each with a status of "Approved".

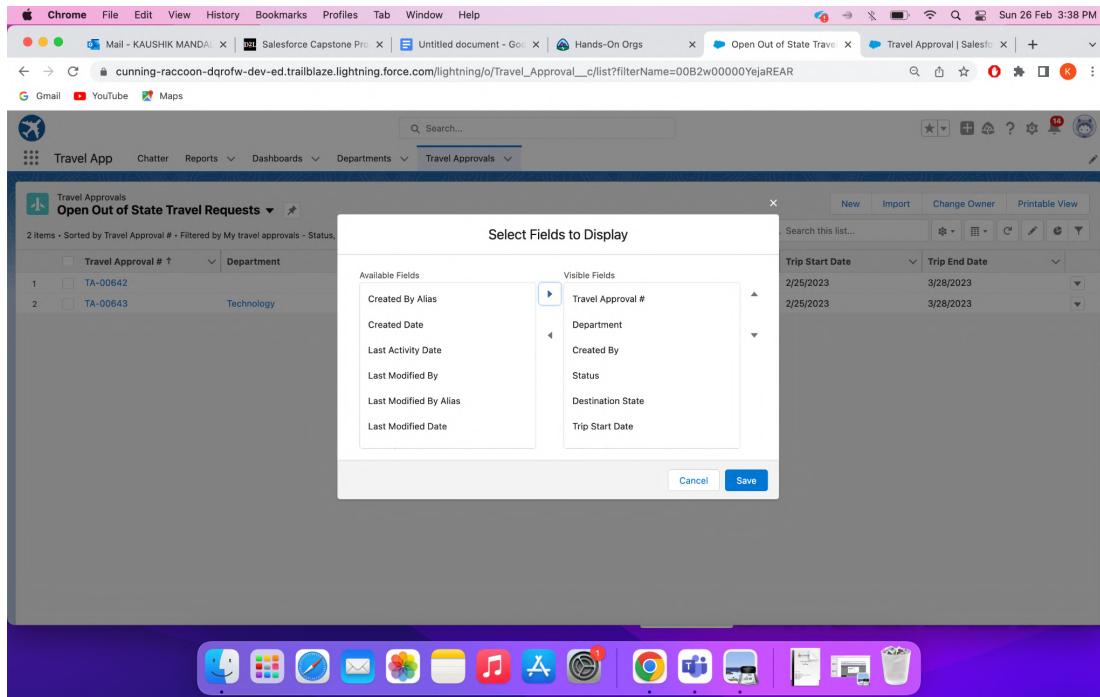
Step-9

Created Travel approval custom List view Open Out of State Travel Requests

The screenshot shows a Salesforce Lightning interface displaying a custom list view titled "Open Out of State Travel Requests". The list view shows two items: TA-00642 and TA-00643. Both entries have a status of "New". The "Created By" field shows "Kaushik Mandaloju" for both. The "Destination State" field shows "go" for TA-00642 and "Draft" for TA-00643. The "Trip Start Date" and "Trip End Date" fields show dates from 2/25/2023 to 3/28/2023.

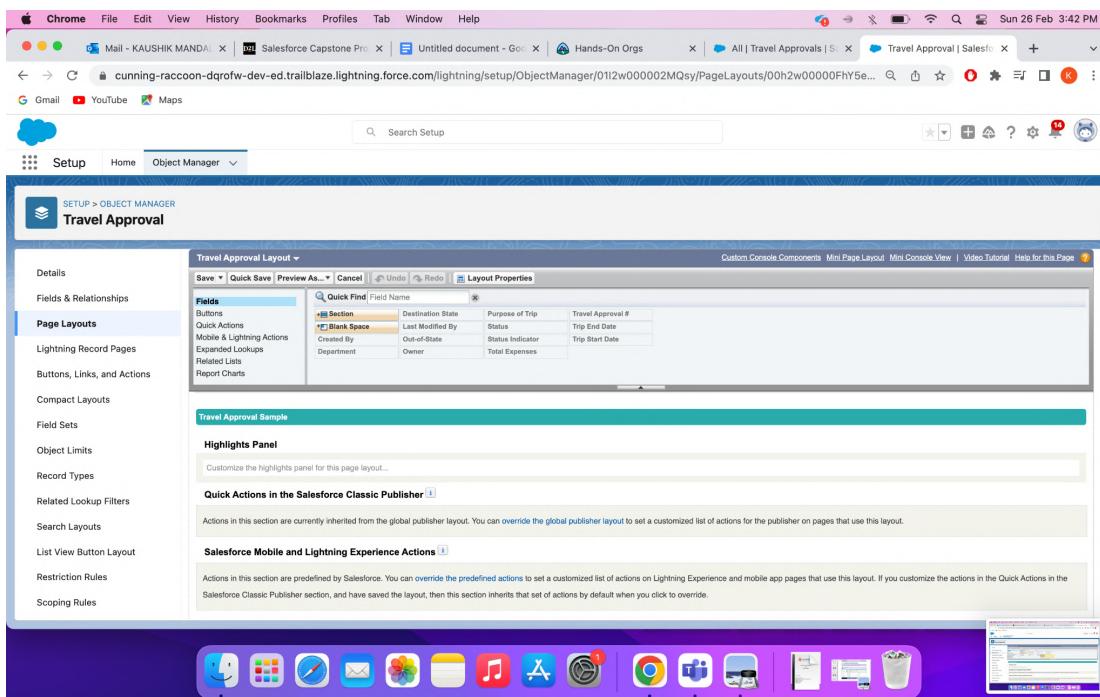
Step-10

Selected fields to display in the Travel Approval Open Out of State Travel Requests



Step-11

Customized the Travel Approval Page Layout.



Step-12

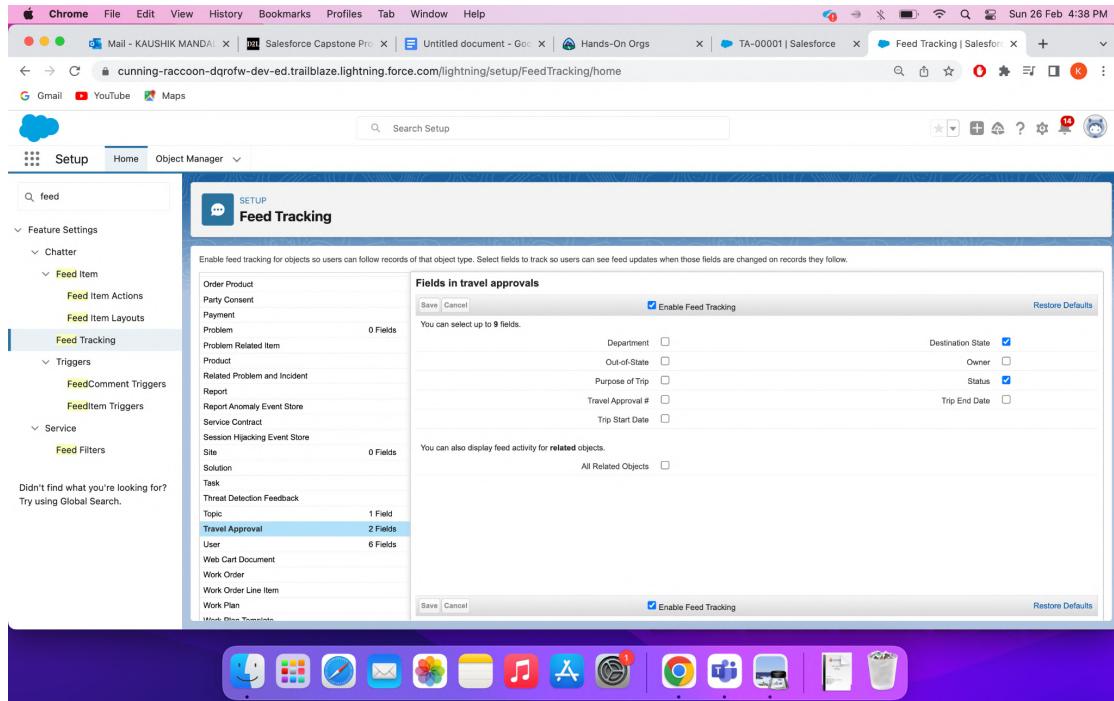
Customized the Expense item related list under Travel Approval page layout.

The screenshot shows the Salesforce Setup interface for the 'Travel Approval' object. The left sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, and Record Types. The main area displays the 'Page Layouts' configuration for the 'Travel Approval' object. It shows a table of fields being mapped to sections: 'Section' (Blank Space), 'Destination State', 'Purpose of Trip', 'Travel Approval #', 'Last Modified By', 'Out-of-State', 'Status Indicator', 'Trip End Date', 'Created By', 'Department', 'Owner', and 'Total Expenses'. Below this, three activity history sections are shown: Activity History, Expense Items, and Approval History, each with sample data rows.

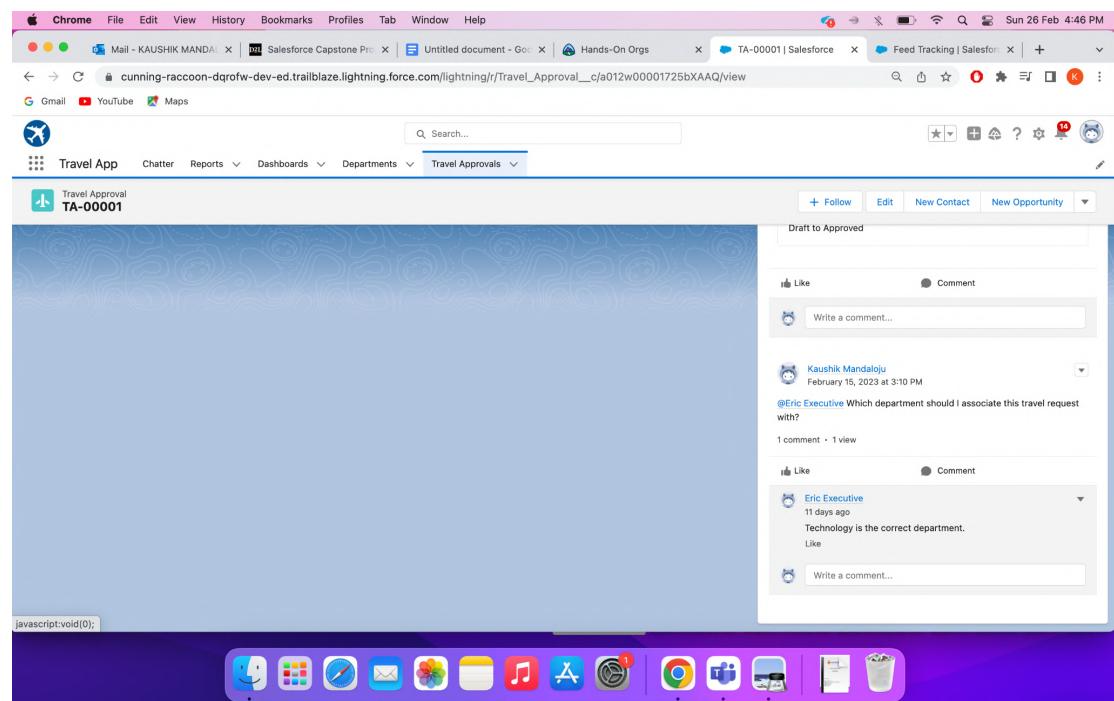
The screenshot shows the 'Travel App' page for a travel approval record with ID TA-00001. The page has a navigation bar with links for Chatter, Reports, Dashboards, Departments, and Travel Approvals. The main content area is divided into two panels: 'Related' and 'Details'. The 'Related' panel contains two sections: 'Expense Items (2)' and 'Approval History (3)'. The 'Expense Items' section lists two items: E-00001 (Airfare, ₹450.00) and E-00002 (Hotel, ₹870.00). The 'Approval History' section lists three steps: 'Travel Coordinator Approval' (Approved, 2/16/2023, 11:12 AM), 'Step 1' (Approved, 2/16/2023, 11:09 AM), and 'Approval Request Submitted' (Submitted, 2/16/2023, 11:05 AM). The 'Details' panel on the right shows activity history with no upcoming or overdue activities. A status message at the bottom says 'No past activity. Past meetings and tasks marked as done show up here.'

Step- 13

Enabled feed tracking on Travel Approval Custom Object.



Test Collaboration.



Overview of Travel Approval App.

The screenshot shows a Salesforce application window titled "Travel Approval TA-00001". The main area displays the "Details" tab of a travel approval record. Key fields shown include:

- Travel Approval #: TA-00001
- Status: Draft
- Total Expenses: ₹1,320.00
- Owner: Kaushik Mandalaju
- Department: Technology

A "Trip Info" section contains the following details:

- Purpose of Trip: Attend Dreamforce
- Trip Start Date: 2/17/2023
- Trip End Date: 2/24/2023
- Out-of-State: Checked
- Destination State: CA

The "Last Modified By" field shows Kaushik Mandalaju on 2/26/2023, 4:44 PM.

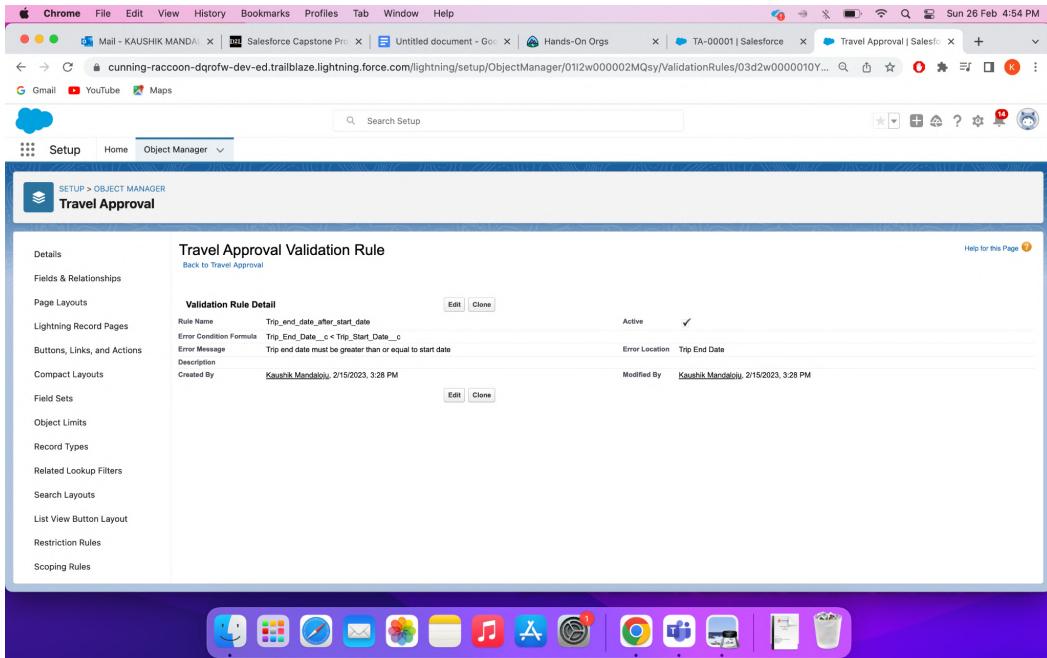
The right side of the screen features a "Chatter" feed. It includes a "Post" section with a placeholder "Share an update..." and a toolbar with various icons. A message from Kaushik Mandalaju is visible, stating "updated this record. 1m ago". The "Status" is listed as "Approved to Draft".

The browser header shows multiple tabs, including "Mail - KAUSHIK MANDALAJU", "Salesforce Capstone Pro", "Untitled document - Google Sheets", "Hands-On Orgs", "TA-00001 | Salesforce", and "Feed Tracking | Salesforce". The system status bar at the bottom indicates "Sun 26 Feb 4:46 PM".

Module-2

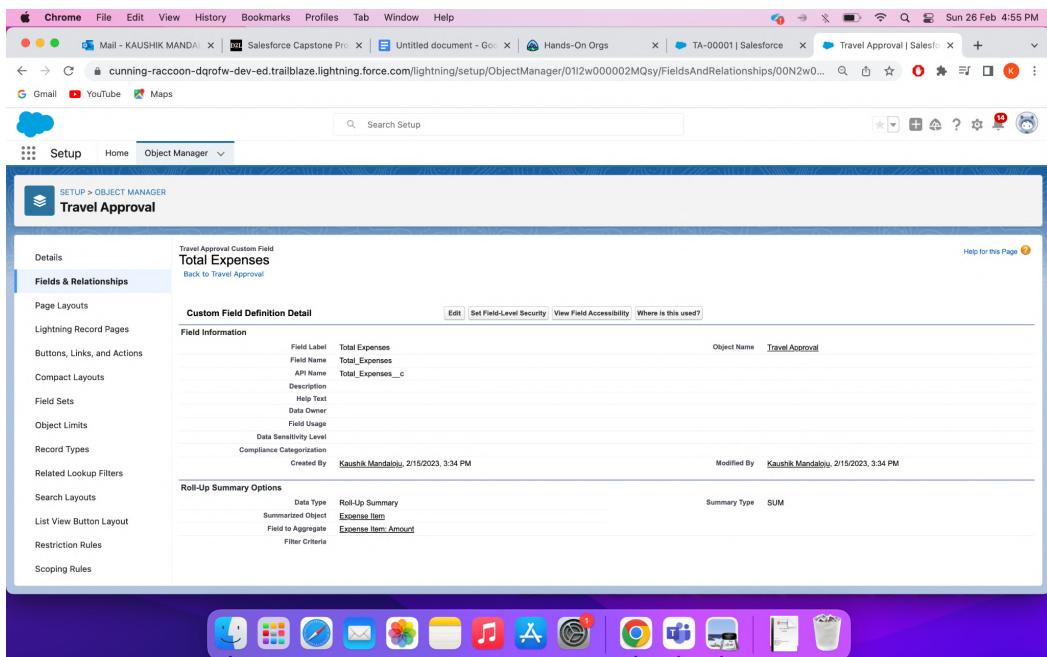
Step-1 Created validation rule

logic :- Trip End date must greater than Trip Start date

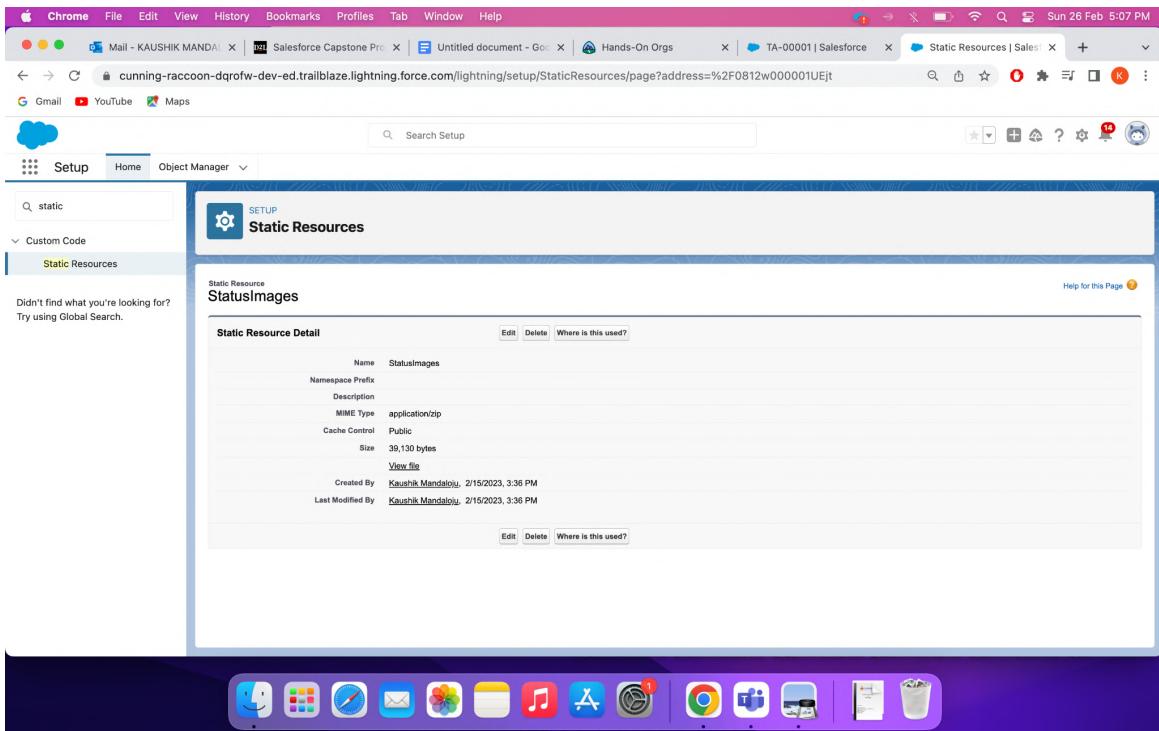


Step-2 Created Roll-Up Summary Field on Travel Approval Object.

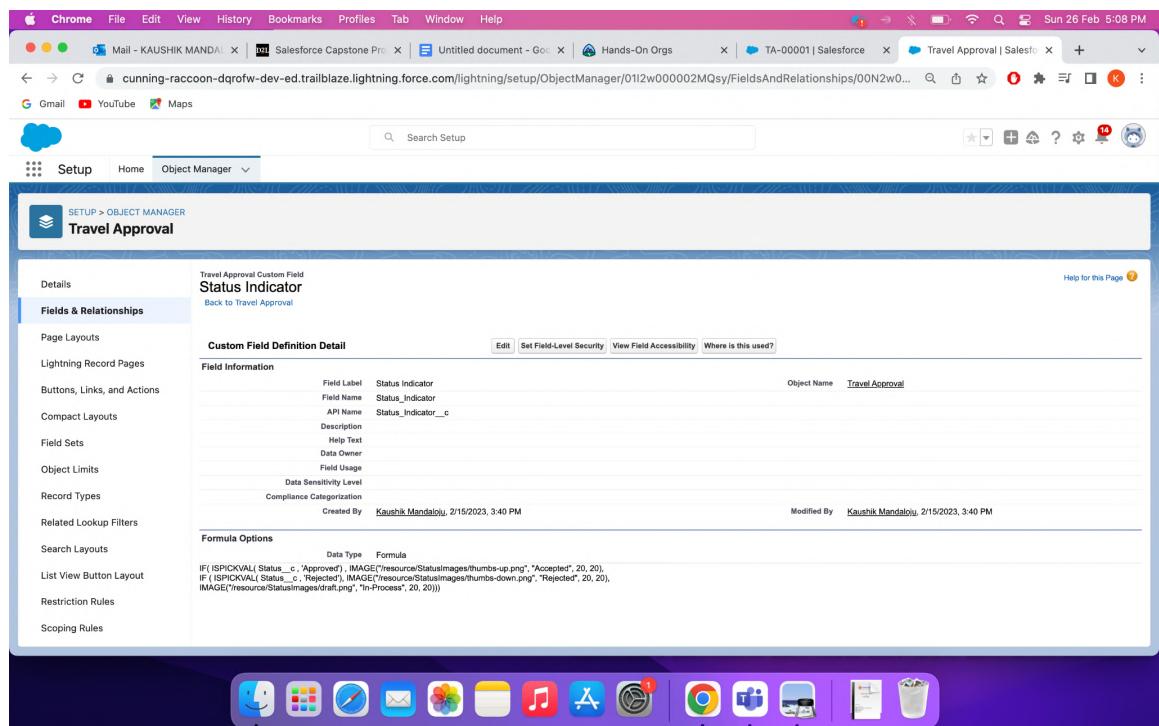
Logic:- Sum-up the total expenses from related expense item



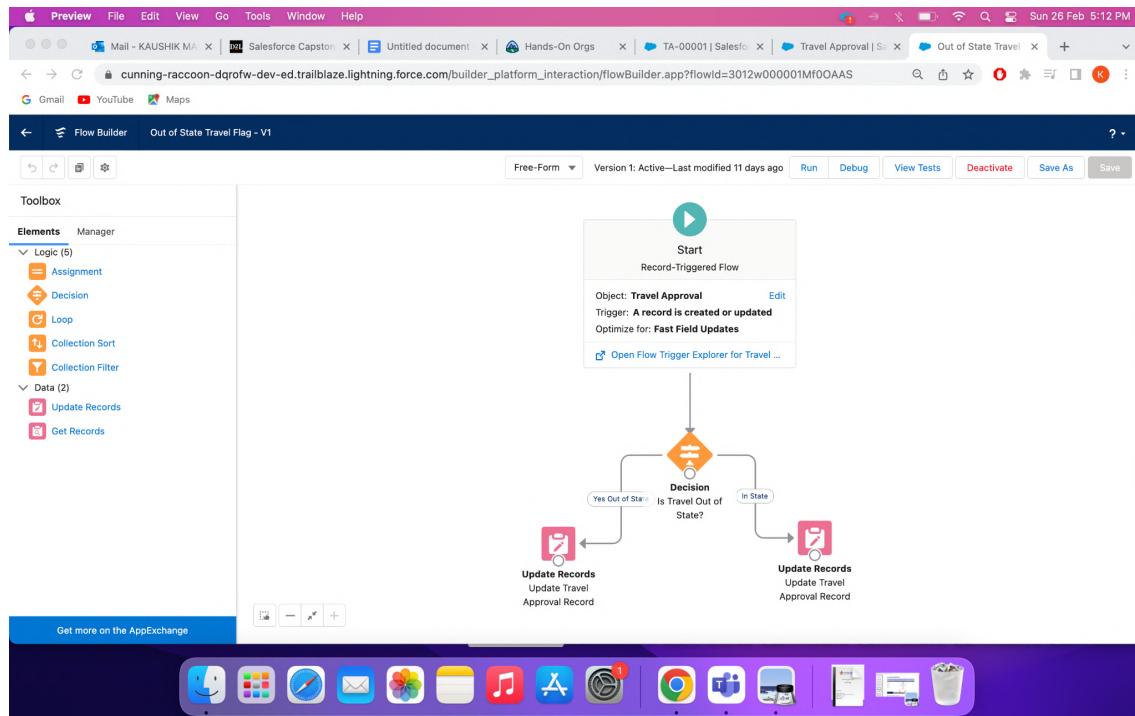
Step-3 Created Static Resources.



Step-4 Created a Formula field on the Travel Approval Object to show an image based on the status field.

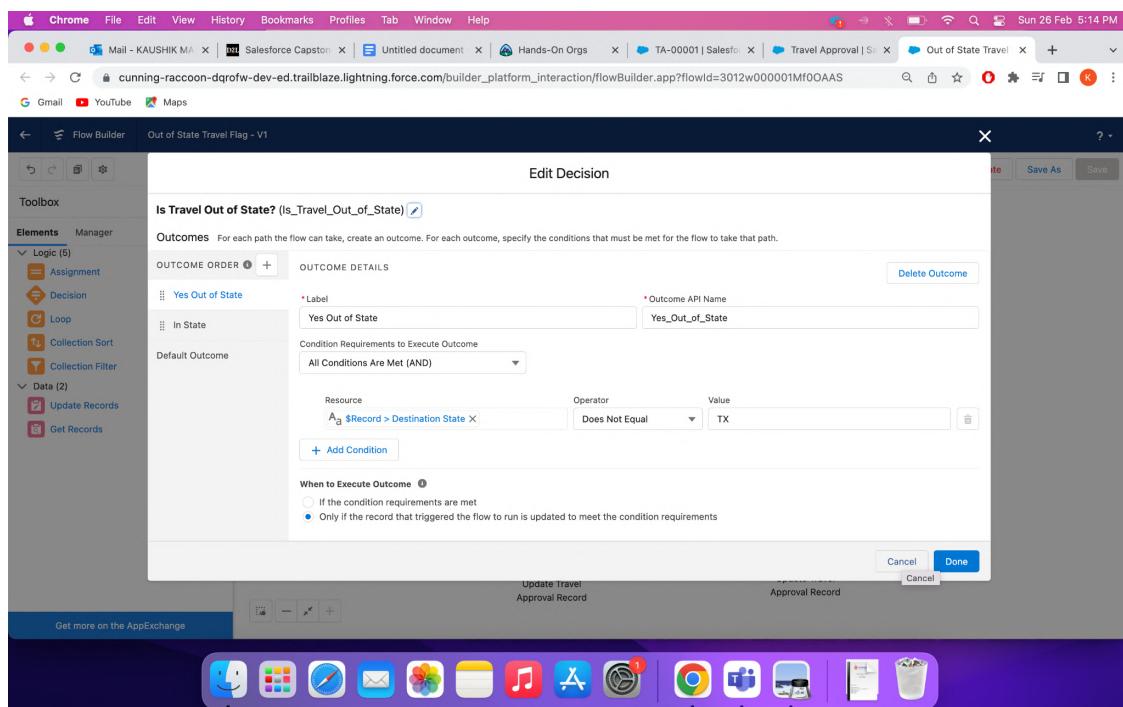


Step- 5 Create Record Triggered Flow

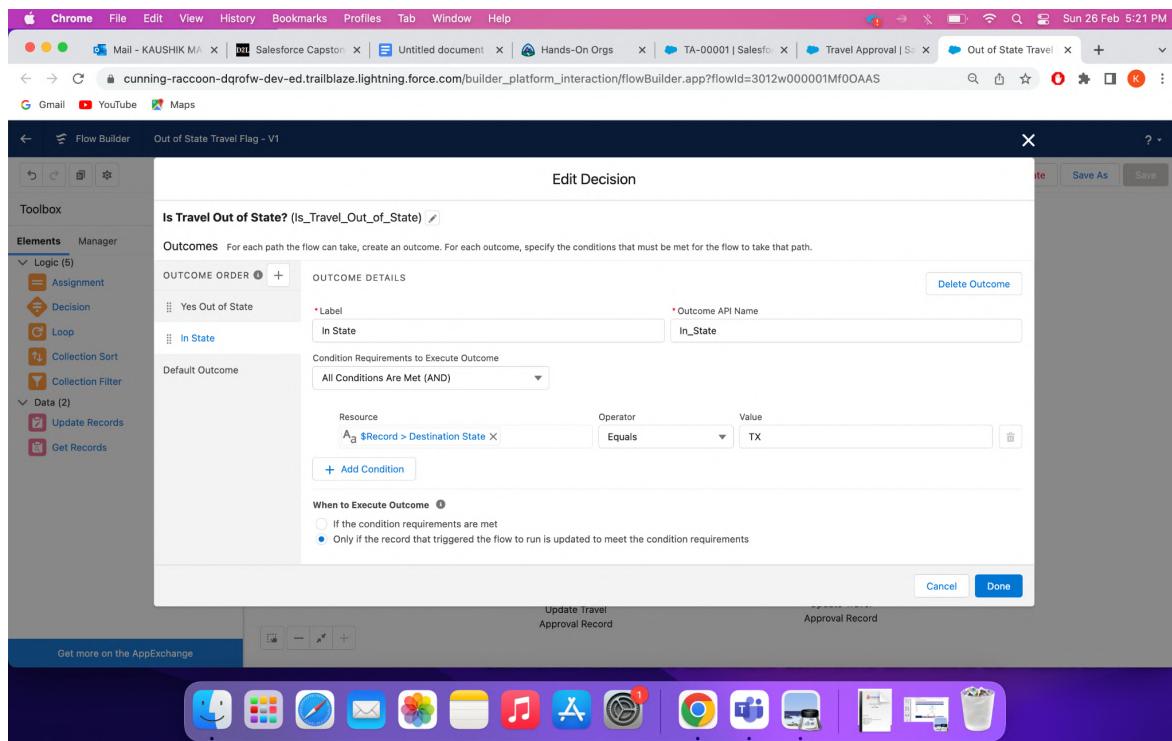


Added Decision Element to the flow

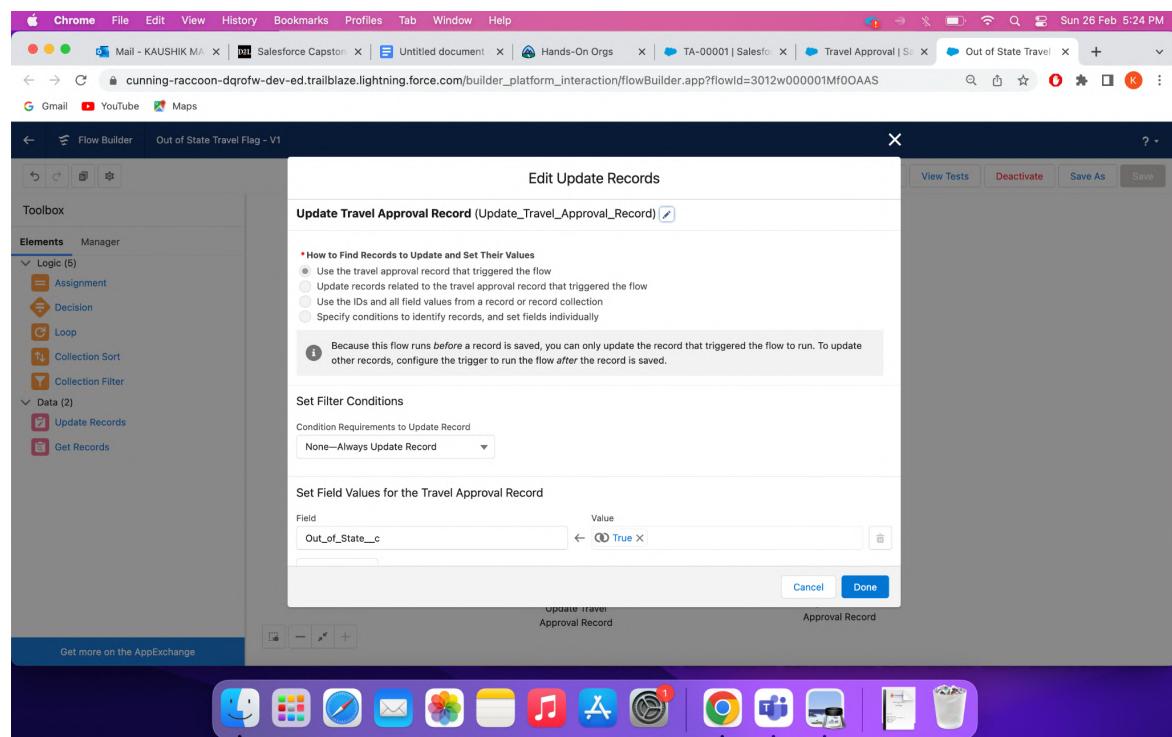
Outcome 1 :- IF travel is Out of State



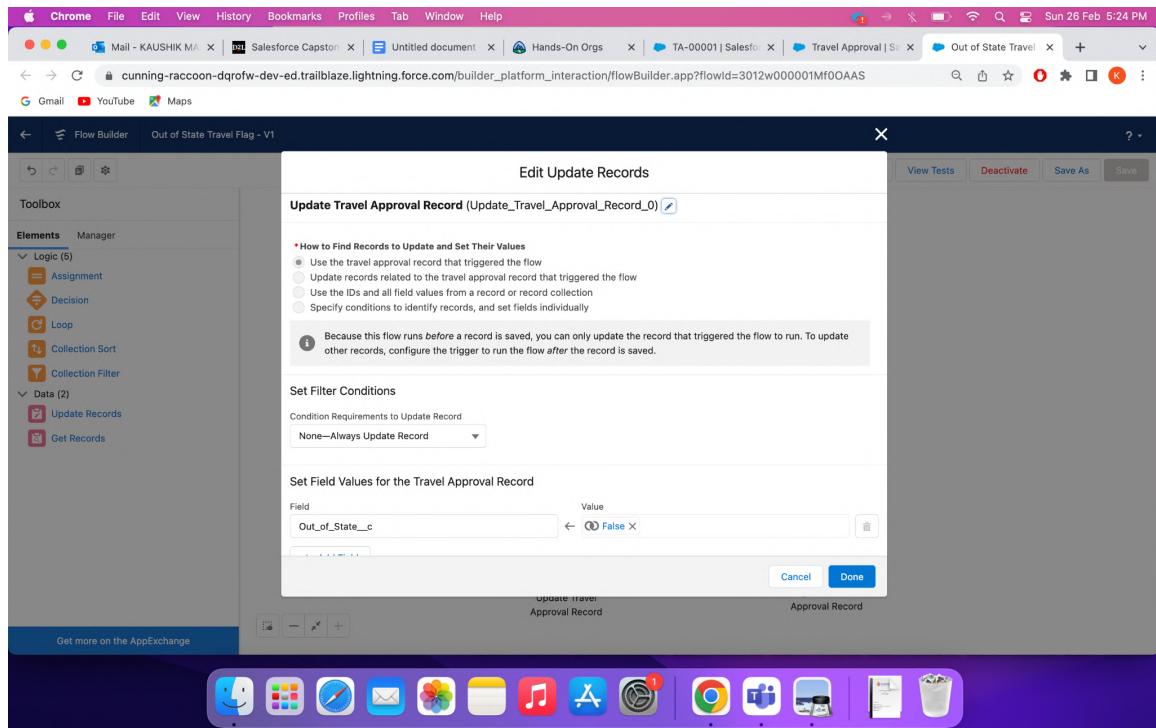
Outcome 2 :- IF travel is In the State



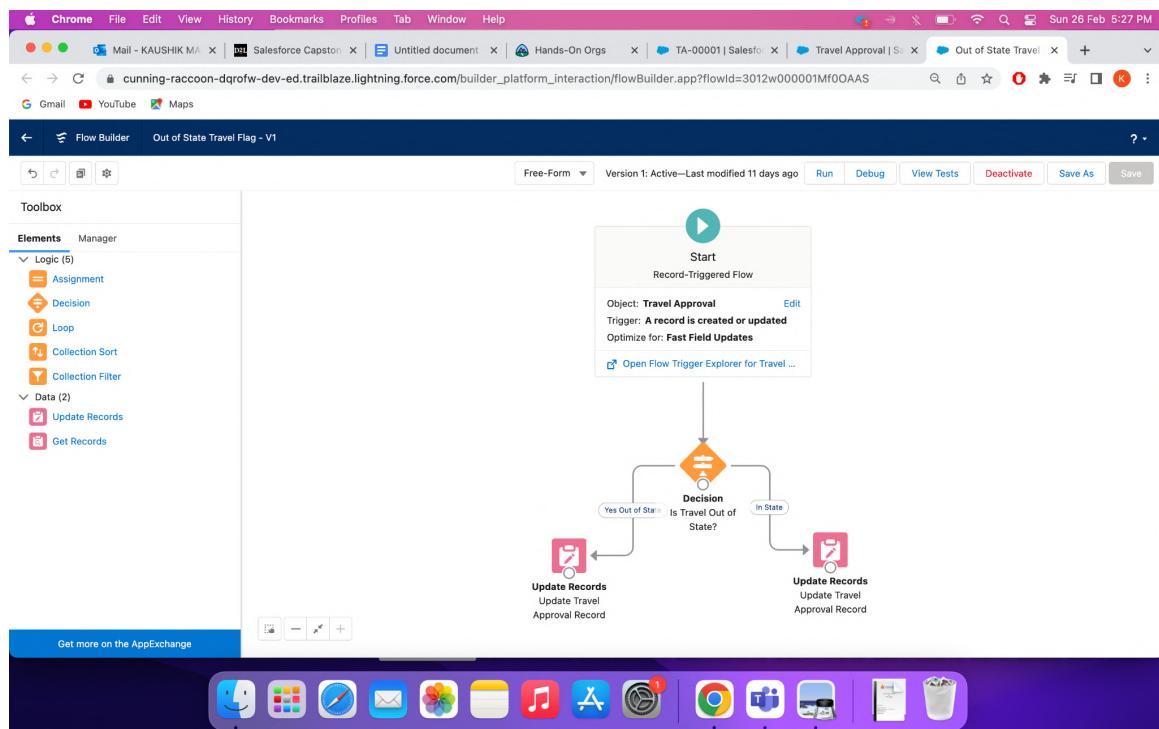
Updated the Travel Approval record when Travel is out of State.



Updated the Travel Approval record when Travel is In the State.



Out Of State Travel Flag (Flow)



Step-6 Created an Approval process for Travel Approval request.

The screenshot shows the Salesforce Setup interface with the following details:

- Page Header:** Approval Processes
- Section:** Approval Processes
- Object:** Travel Approval Request
- Process Definition Detail:**
 - Process Name: Travel Approval Request
 - Unique Name: Travel_Approval_Request
 - Description: Travel Approval: Total Expenses GREATER THAN 0
 - Entry Criteria: Travel Approval: Total Expenses GREATER THAN 0
 - Record Editability: Administrator ONLY
 - Approval Assignment Email Template: Initial Submitters
 - Initial Submitters: Travel Approval Owner
 - Created By: Kaushik Mandalsaju, 2/15/2023, 4:37 PM
 - Next Automated Approver Determined By: Manager of Record Submitter
 - Allow Submitters to Recall Approval Requests:
 - Active:
 - Modified By: Kaushik Mandalsaju, 2/15/2023, 4:58 PM

Created Approval Step for out of state travel

Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions Edit	1	Step 1		Travel Approval: Out-of-State EQUALS True	Manager	Final Rejection
Show Actions Edit	2	Travel Coordinator Approval			User:Kaushik Mandalsaju	Final Rejection

Created Final Approval Action

The screenshot shows the Salesforce Setup interface with the following details:

- Page Header:** Field Updates
- Section:** Field Updates
- Object:** Travel Approval
- Field Update Detail:**
 - Name: Set Status to Approved
 - Unique Name: Set_Status_to_Approved
 - Description: Travel Approval: Status
 - Object: Travel Approval
 - Field to Update: Travel Approval: Status
 - Field Data Type: Picklist
 - Re-evaluate Workflow Rules after Field Change:
 - New Field Value: Approved

Created Final Rejection Action.

The screenshot shows the Salesforce Setup interface. On the left, there's a sidebar with links like 'Data', 'Process Automation', and 'Approval Processes'. The main area is titled 'Field Updates' under 'SETUP'. A specific field update is being edited, with the name 'Set Status to Rejected' and the unique name 'Set_Status_to_Rejected'. The object is set to 'Travel Approval' and the field to update is 'Status'. The new field value is 'Rejected'. There are buttons for 'Edit' and 'Delete' at the bottom.

Tested the Approval Process.

The screenshot shows a travel approval request in the Travel App. The status is 'Pending'. It lists the submitter as Kaushik Mandalaju, the date submitted as Feb 26, 2023, and the actual approver as Kaushik Mandalaju. The assignee is also Kaushik Mandalaju. On the right, there are buttons for 'Approve', 'Reject', and 'Reassign'. Below the main details, there's a 'Details' section for approval and a 'Previous Approver Comments' section where Eric Executive has approved it on Feb 26, 2023, at 5:53:11 PM.

This screenshot shows the same travel approval request after it has been approved. The status is now 'Approved'. The approver is listed as Kaushik Mandalaju. The 'Approvers Comments' section shows the approval from Kaushik Mandalaju on Feb 26, 2023, at 5:55:19 PM.

Exercise - 2

Step-1 Imported Travel Approval Records Using Data Import Wizard.

Travel Approval #	Department	Created By	Status	Trip Start Date	Trip End Date
TA-00001	Technology	Kaushik Mandaloj	Approved	2/17/2023	2/24/2023
TA-00002	Disability Determination Bureau	Kaushik Mandaloj	Approved	1/10/2019	1/10/2019
TA-00003	Division of Disability and Rehabilitative Services	Kaushik Mandaloj	Rejected	3/4/2019	6/4/2019
TA-00004	Division of Finance	Kaushik Mandaloj	Rejected	9/3/2019	9/3/2019
TA-00005	Division of Aging	Kaushik Mandaloj	Approved	5/1/2019	11/11/2019
TA-00006	Technology	Kaushik Mandaloj	Approved	6/3/2019	9/3/2019
TA-00007	Division of Disability and Rehabilitative Services	Kaushik Mandaloj	Approved	6/11/2019	12/11/2019
TA-00008	Disability Determination Bureau	Kaushik Mandaloj	Rejected	6/3/2019	7/3/2019
TA-00009	Contract Management	Kaushik Mandaloj	Approved	11/6/2019	11/5/2019
TA-00010	Division of Disability and Rehabilitative Services	Kaushik Mandaloj	Approved	7/7/2019	7/7/2019
TA-00011	Office of Communications and Media	Kaushik Mandaloj	Approved	2/6/2019	12/6/2019
TA-00012	Office of Medicaid Policy and Planning	Kaushik Mandaloj	Approved	5/1/2019	11/11/2019
TA-00013	Division of Family Resources	Kaushik Mandaloj	Approved	1/4/2019	1/4/2019
TA-00014	Human Resources	Kaushik Mandaloj	Approved	9/7/2019	11/7/2019
TA-00015	Division of Disability and Rehabilitative Services	Kaushik Mandaloj	Approved	11/10/2019	12/10/2019
TA-00016	Office of General Counsel	Kaushik Mandaloj	Approved	6/12/2019	8/12/2019
TA-00017	Legislative Services	Kaushik Mandaloj	Approved	3/6/2019	3/6/2019

Step-2 Created Travel Requests by Department Report.

Department	Sum of Out-of-State
Audit Services	22
Contract Management	17
Disability Determination Bureau	22
Division of Aging	23
Division of Disability...	22
Division of Family R...	15
Division of Finance	18
Division of Mental H...	13
Human Resources	17
Legislative Services	17
Office of Communic...	22
Office of Early Child...	24
Office of General Co...	13
Office of Medicaid P...	13
Quality and Complia...	13
Technology	25

Step-3 Created Travel Requests by Month Report.

The screenshot shows a Salesforce Lightning report titled "Report: Travel Approvals" and "Travel Requests by Month". The report displays a table of travel approvals with the following columns: Trip End Date, Out-of-State, Travel Approval: Travel Approval #, Department, Status, Destination State, and Trip Start Date. The data includes 444 records, with a subtotal of 13 travel approvals. The report interface includes standard Salesforce navigation and search tools.

Trip End Date	Out-of-State	Travel Approval: Travel Approval #	Department	Status	Destination State	Trip Start Date
January 2019 (25)	(12)	TA-00143	Office of General Counsel	Approved	TX	1/4/2019
		TA-00084	Division of Family Resources	Approved	TX	1/4/2019
		TA-00110	Division of Finance	Approved	TX	1/10/2019
		TA-00408	Legislative Services	Approved	TX	1/20/2019
		TA-00431	Office of General Counsel	Rejected	TX	1/27/2019
		TA-00444	Disability Determination Bureau	Approved	TX	1/12/2019
		TA-00578	Division of Aging	Approved	TX	1/22/2019
		TA-00590	Quality and Compliance Office	Approved	TX	1/14/2019
		TA-00599	Contract Management	Approved	TX	1/18/2019
		TA-00013	Division of Family Resources	Approved	TX	1/4/2019
		TA-00039	Division of Finance	Approved	TX	1/10/2019
		TA-00072	Office of General Counsel	Approved	TX	1/4/2019
Subtotal						
	(13)	TA-00073	Disability Determination Bureau	Approved	OK	1/10/2019
		TA-00365	Office of Communications and Media	Rejected	FL	1/12/2019

Step -4 Created Travel Approval Dashboard.

The screenshot shows a Salesforce Lightning dashboard titled "Travel Requests Dashboard". The dashboard includes two main charts: "Travel Requests by Department" and "Travel Requests by Month". The "Travel Requests by Department" chart is a horizontal bar chart showing the record count for various departments. The "Travel Requests by Month" chart is a stacked bar chart showing the record count for each month, categorized by whether the trip was out-of-state or not. The dashboard also includes a message about last refresh time and viewing details.

Travel Requests by Department

Department	Record Count
Audit Services	26
Contract Management	30
Disability Determination Bureau	29
Division of Aging	30
Division of Disability and Reh...	29
Division of Family Resources	26
Division of Finance	31
Division of Mental Health and...	25
Human Resources	22
Legislative Services	25
Office of Communications an...	29
Office of Early Childhood and...	31

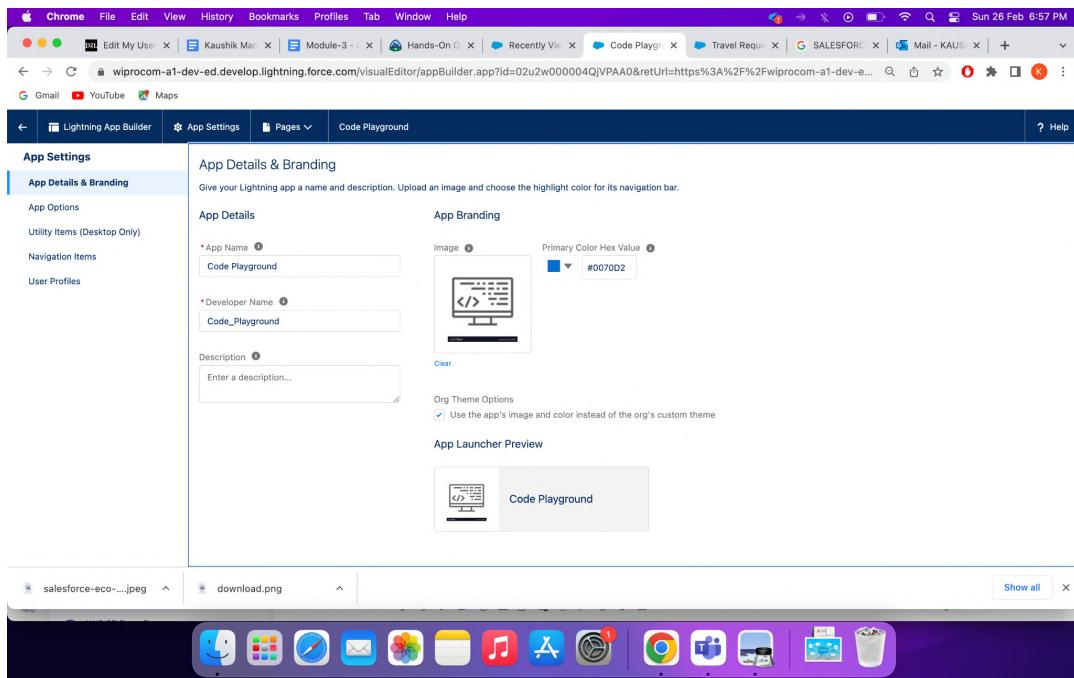
Travel Requests by Month

Trip End Date	Out-of-State (true)	Out-of-State (false)
January 2019	25	25
February 2019	28	22
March 2019	29	21
April 2019	32	23
May 2019	35	24
June 2019	28	22
July 2019	32	23
August 2019	29	21
September 2019	31	23
October 2019	33	24
November 2019	30	20
December 2019	32	25
January 2020	28	22
February 2020	10	10

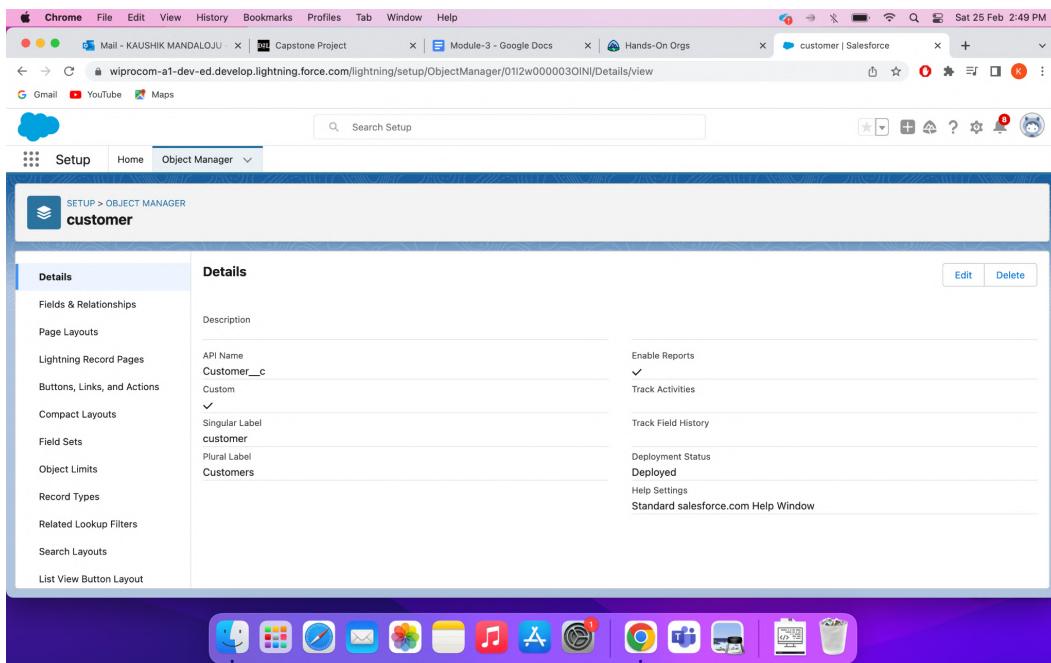
Module-3

Exercise-1

Create Code Playground App



Created the Custom Object Customer as (customer) as there is already a Standard Object named Customer



Created all Custom fields

The screenshot shows the Salesforce Setup interface for the 'customer' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area displays a table of custom fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Active	Active__c	Checkbox		
Created By	CreatedById	Lookup(User)		
Customer Name	Name	Text(80)		
Customer Type	Customer_Type__c	Picklist		
Description	Description__c	Text Area(255)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		

Created a Custom Object named Billing

The screenshot shows the Salesforce Setup interface for the 'Billing' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area displays the 'Details' tab for the Billing object, which includes:

API Name	Billing__c	Enable Reports	✓
Custom		Track Activities	✓
Singular Label	Billing	Track Field History	
Plural Label	Billings	Deployment Status	Deployed
		Help Settings	Standard salesforce.com Help Window

Created a Custom fields named Billing object

The screenshot shows the Salesforce Setup interface under the Object Manager. The main title is "Billing". The "Fields & Relationships" section is selected, displaying 7 items sorted by Field Label. The table includes columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount Paid	Amount_Paid__c	Currency(18, 0)		
Bill Number	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
customer	customer__c	Master-Detail(customer)		✓
Customer Type	Customer_Type__c	Picklist		
Last Modified By	LastModifiedById	Lookup(User)		
Status	Status__c	Picklist		

Code Playground App

The screenshot shows the Salesforce Code Playground App interface. The main title is "All Accounts". The table displays 13 items sorted by Account Name. The columns include Account Name, Account Site, Billing State/Province, Phone, Type, and Account Owner.

	Account Name	Account Site	Billing State/Province	Phone	Type	Account Owner
1	Burlington Textiles Corp of America		NC	(336) 222-7000	Customer - Direct	KMand
2	Dickenson plc		KS	(785) 241-6200	Customer - Channel	KMand
3	Edge Communications		TX	(512) 757-6000	Customer - Direct	KMand
4	Express Logistics and Transport		OR	(503) 421-7800	Customer - Channel	KMand
5	GenePoint		CA	(650) 867-3450	Customer - Channel	KMand
6	Grand Hotels & Resorts Ltd		IL	(312) 596-1000	Customer - Direct	KMand
7	Pyramid Construction Inc.			(014) 427-4427	Customer - Channel	KMand
8	Sample Account for Entitlements					autproc
9	sForce		CA	(415) 901-7000		KMand
10	United Oil & Gas Corp.		NY	(212) 842-5500	Customer - Direct	KMand
11	United Oil & Gas, Singapore		Singapore	(650) 450-8810	Customer - Direct	KMand
12	United Oil & Gas, UK		UK	+44 191 4956203	Customer - Direct	KMand
13	University of Arizona		AZ	(520) 773-9050	Customer - Direct	KMand

Exercise-2

String Variable using endsWith() method

The screenshot shows a Salesforce Developer Console window. At the top, the URL is `wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The title bar indicates it's Tuesday, February 21, 11:51 AM. The main area has tabs for 'Logs' (selected), 'Tests', 'Checkpoints', 'Query Editor', 'View State', 'Progress', and 'Problems'. The 'Logs' tab shows a single entry:

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:42:54	Success		2.13 KB

The 'Logs' tab also includes filters for 'This Frame', 'Executable', 'Debug Only', 'Filter', and 'Click here to filter the log list'. Below the logs, there's an 'Enter Apex Code' panel containing the following code:String x = 'Kaushik Mandalaju';
System.debug(x.endsWith('a'));

Used Date Method and displayed the date

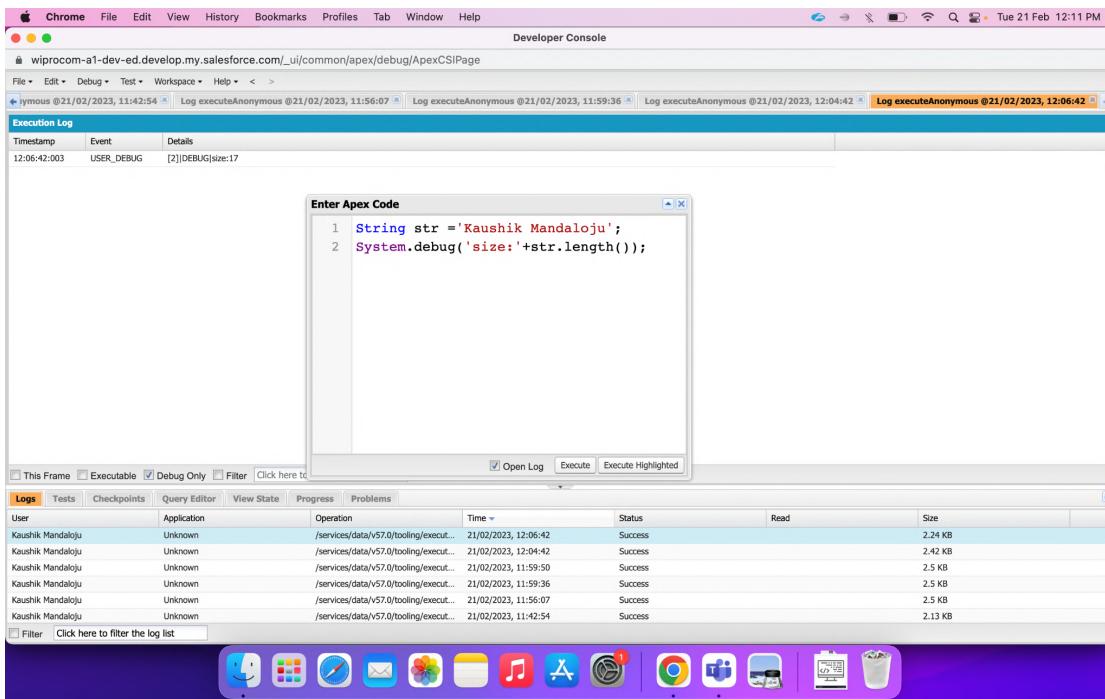
Converted the string to integer and added 20 to it

The screenshot shows a Salesforce Developer Console window. At the top, the URL is `wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The title bar indicates it's Tuesday, February 21, 12:05 PM. The main area has tabs for 'Logs' (selected), 'Tests', 'Checkpoints', 'Query Editor', 'View State', 'Progress', and 'Problems'. The 'Logs' tab shows five entries:

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:42:03	Success		2.42 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:42:03	Success		2.5 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:42:03	Success		2.5 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:42:03	Success		2.5 KB

The 'Logs' tab also includes filters for 'This Frame', 'Executable', 'Debug Only', 'Filter', and 'Click here to filter the log list'. Below the logs, there's an 'Enter Apex Code' panel containing the following code:String str = '10';
Integer x=Integer.ValueOf(str);
System.debug(x);
system.debug(x+20);

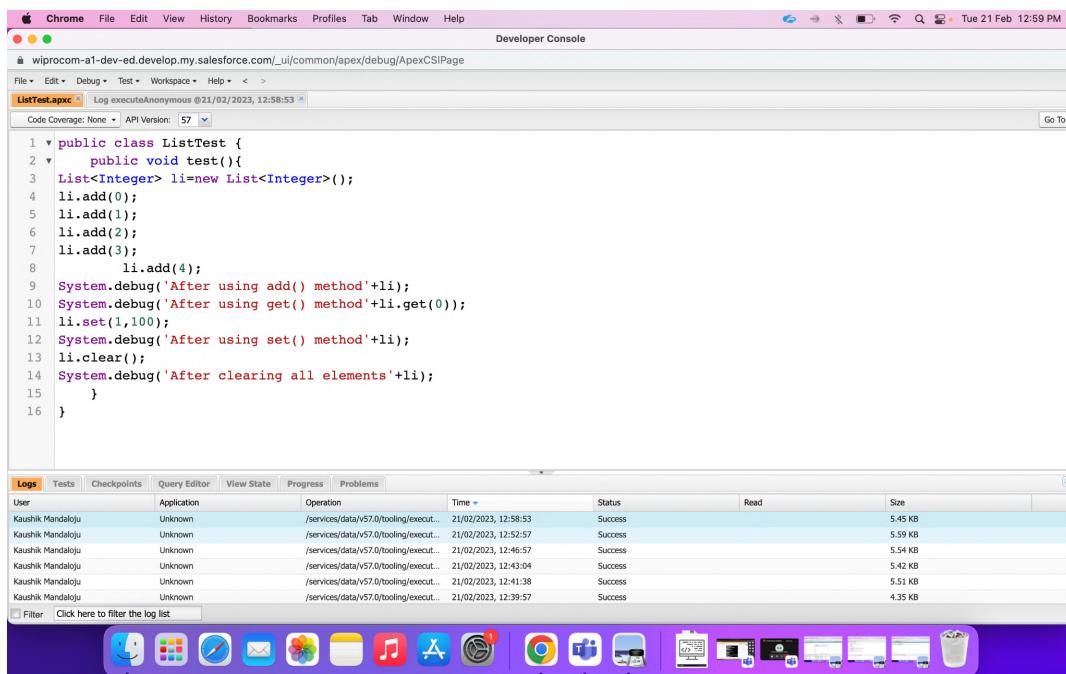
Used Length method to display String length



```
String str = 'Kaushik Mandalaju';
System.debug('size:'+str.length());
```

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:06:42	Success		2.24 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:04:42	Success		2.42 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:50	Success		2.5 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:36	Success		2.5 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:56:07	Success		2.5 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:42:54	Success		2.13 KB

Defined a list and displayed the outputs using different methods



```
public class ListTest {
    public void test(){
        List<Integer> li=new List<Integer>();
        li.add(0);
        li.add(1);
        li.add(2);
        li.add(3);
        li.add(4);
        System.debug('After using add() method'+li);
        System.debug('After using get() method'+li.get(0));
        li.set(1,100);
        System.debug('After using set() method'+li);
        li.clear();
        System.debug('After clearing all elements'+li);
    }
}
```

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:58:53	Success		5.45 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:52:57	Success		5.59 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:46:57	Success		5.54 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:43:04	Success		5.42 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:41:38	Success		5.51 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:39:57	Success		4.35 KB

Printed numbers between 0 to 9

The screenshot shows the Microsoft Teams Developer Console interface. At the top, there's a navigation bar with File, Edit, View, Window, Help, and a timestamp of Tue 21 Feb 12:53 PM. Below the navigation bar is a toolbar with icons for Log executeAnonymous, Run, Stop, and Refresh. The main area has tabs for Execution Log, Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Execution Log tab is active, displaying a table of logs with columns for Timestamp, Event, and Details. The Logs tab is also active, showing a list of logs for the user Kaushik Mandaloju. A central window titled "Enter Apex Code" contains the following Apex code:

```
1 Integer x =20;
2 while(x>12){
3   for(x=0;x<10;x++){
4     System.debug('Value of x is:' +x);
5   }
6 }
```

At the bottom of the developer console are buttons for Open Log, Execute, and Execute Highlighted. Below the developer console is a toolbar with various application icons.

The screenshot shows the Chrome Developer Console interface. At the top, there's a navigation bar with File, Edit, View, History, Bookmarks, Profiles, Tab, Window, Help, and a timestamp of Tue 21 Feb 12:59 PM. Below the navigation bar is a toolbar with icons for Log executeAnonymous, Run, Stop, and Refresh. The main area has tabs for Execution Log, Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Execution Log tab is active, displaying a table of logs with columns for Timestamp, Event, and Details. The Logs tab is also active, showing a list of logs for the user Kaushik Mandaloju. A central window titled "Enter Apex Code" contains the following Apex code:

```
1 USER_DEBUG [9]DEBUG|After using add() method(0, 1, 2, 3, 4)
2 USER_DEBUG [10]DEBUG|After using get() method
3 USER_DEBUG [12]DEBUG|After using set() method(0, 100, 2, 3, 4)
4 USER_DEBUG [14]DEBUG|After clearing all elements()
```

At the bottom of the developer console are buttons for This Frame, Executable, Debug Only, Filter, and Click here to filter the log. Below the developer console is a toolbar with various application icons.

Exercise-3

```
Integer myluckyNumber = 15;
Integer myUnluckyNumber = 7;
if(myluckyNumber !=myUnluckyNumber +8){
    System.debug('Fales');
}
else{
    System.debug('True');
}
```

Exercise-4

```
Boolean istrue= True;
Boolean isfalse=False;
System.debug(istrue || isfalse);
```

Exercise-5

Developer Console

Log executeAnonymous @21/02/2023, 14:19:19 Log executeAnonymous @21/02/2023, 14:27:01 Log executeAnonymous @21/02/2023, 14:29:56

Execution Log

Timestamp	Event	Details
14:29:56:002	USER_DEBUG	[3]DEBUG[true]

Enter Apex Code

```
1 Date today = Date.today();
2 Date tomorrow = Date.today().addDays(1);
3 System.debug(today!=tomorrow);
4
```

Open Log Execute Execute Highlighted

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
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:29:56	Success	2.44 KB	
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:27:01	Success	2.33 KB	
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:19:19	Success	2.64 KB	

Filter Click here to filter the log list

Exercise-6

Program for Finding the Grade based on Score

Developer Console

Log executeAnonymous @21/02/2023, 14:19:19 Log executeAnonymous @21/02/2023, 14:27:01 StudentGrade.apxc Log executeAnonymous @21/02/2023, 15:09:13

Code Coverage: None API Version: 57

```
1 public class StudentGrade {
2     public void gradeAssigning(){
3         Integer Score = 100;
4         System.debug('Score is: '+Score);
5         if(Score == 100){
6             System.debug('Grade: A+');
7         }
8         else if(Score >= 90){
9             System.debug('Grade: A');
10        }
11        else if(Score >=80){
12            System.debug('Grade B');
13        }
14        else{
15            System.debug('Grade: Failed');
16        }
17    }
18 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 15:09:13	Success	4.02 KB	
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:29:56	Success	2.44 KB	
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:27:01	Success	2.33 KB	
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:19:19	Success	2.64 KB	

Filter Click here to filter the log list

Developer Console

Execution Log

Timestamp	Event	Details
15:09:13:017	USER_DEBUG	[4]DEBUG Score is: 100
15:09:13:017	USER_DEBUG	[6]DEBUG Grade: A+

Enter Apex Code

```
1 StudentGrade x = new StudentGrade();
2 x.gradeAssigning();
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 15:09:13	Success		4.02 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:29:56	Success		2.44 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:27:01	Success		2.33 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 14:19:19	Success		2.64 KB

Filter Click here to filter the log list

Exercise-7

Program to execute Apex - for loop

Developer Console

Billingobj.apxc Log executeAnonymous @21/02/2023, 16:20:59

Code Coverage: None API Version: 57

```
1 public class Billingobj {
2     public void createrecords(){
3         Billing__c b1=new Billing__c();
4         b1.Amount_paid__c=15000;
5         b1.Status__c='Paid';
6         Billing__c b2=new Billing__c();
7         b2.Amount_paid__c=15000;
8         b2.Status__c='Paid';
9         Billing__c b3=new Billing__c();
10        b3.Amount_Paid__c=15000;
11        b3.Status__c='Paid';
12        List<Billing__c> bills=new List<Billing__c>();
13        bills.add(b1);
14        bills.add(b2);
15        bills.add(b3);
16        try{
17            insert bills;
18        }
19        catch(Exception e){}
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 16:20:59	Success		11.78 KB

Filter Click here to filter the log list

Developer Console

```

wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < ▾
Billingobj.apxc Log executeAnonymous @21/02/2023, 16:20:59
Code Coverage: None ▾ API Version: 57 ▾ Go To
15 bills.add(b3);
16 ▾ try{
17     insert bills;
18 }
19 ▾ catch(Exception e){
20     System.debug('Invalid Data');
21 }
22 bills=[Select Id,Name,Status__c From Billing__c WHERE CreatedDate=today];
23 ▾ for(Billing__c b:bills){
24     if(b.Status__c=='Paid')
25     {
26         System.debug('Value of current record over which current record is iterating is: '+b);
27         System.debug('Billing Records are: '+b.Name);
28     }
29 }
30 }
31 }
32 }
33 }

Logs Tests Checkpoints Query Editor View State Progress Problems
User Application Operation Time Status Read Size
Kaushik Mandalaju Unknown /services/data/v57.0/tooling/execut... 21/02/2023, 16:20:59 Success 11.78 KB

```



Developer Console

```

wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < ▾
Billingobj.apxc Log executeAnonymous @21/02/2023, 16:20:59
Execution Log
Timestamp Event Details
16:20:59:070 USER_DEBUG [26]DEBUG Value of current record over which current record is iterating is: Billing__c:{Id=a012w000017WnfuAAC, Name=B - 0004, Status__c=Paid}
16:20:59:070 USER_DEBUG [27]DEBUG Billing Records are: B - 0004
16:20:59:070 USER_DEBUG [26]DEBUG Value of current record over which current record is iterating is: Billing__c:{Id=a012w000017WnfvAAC, Name=B - 0005, Status__c=Paid}
16:20:59:070 USER_DEBUG [27]DEBUG Billing Records are: B - 0005
16:20:59:071 USER_DEBUG [26]DEBUG Value of current record over which current record is iterating is: Billing__c:{Id=a012w000017WnfwAAC, Name=B - 0006, Status__c=Paid}
16:20:59:071 USER_DEBUG [27]DEBUG Billing Records are: B - 0006
16:20:59:071 USER_DEBUG [26]DEBUG Value of current record over which current record is iterating is: Billing__c:{Id=a012w000017WndtAAC, Name=B - 0001, Status__c=Paid}
16:20:59:071 USER_DEBUG [27]DEBUG Billing Records are: B - 0001
16:20:59:071 USER_DEBUG [26]DEBUG Value of current record over which current record is iterating is: Billing__c:{Id=a012w000017WnduAAC, Name=B - 0002, Status__c=Paid}
16:20:59:071 USER_DEBUG [27]DEBUG Billing Records are: B - 0002
16:20:59:071 USER_DEBUG [26]DEBUG Value of current record over which current record is iterating is: Billing__c:{Id=a012w000017WndvAAC, Name=B - 0003, Status__c=Paid}
16:20:59:071 USER_DEBUG [27]DEBUG Billing Records are: B - 0003

Logs Tests Checkpoints Query Editor View State Progress Problems
User Application Operation Time
Kaushik Mandalaju Unknown /services/data/v57.0/tooling/execut... 21/02/2023, 16:20:59

```



Exercise-8

Created a Class to demonstrate constants in Apex

The image shows two separate browser windows side-by-side on a Mac OS X desktop. Both windows are identical and display the Salesforce Developer Console interface.

Top Window (Left):

- Header:** Chrome, File, Edit, View, History, Bookmarks, Profiles, Tab, Window, Help. Date: Tue 21 Feb 4:47 PM.
- Title Bar:** wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
- Toolbar:** File ▾, Edit ▾, Debug ▾, Test ▾, Workspace ▾, Help ▾, < >
- Code Area:** DiscountClass.apxc Log executeAnonymous @21/02/2023, 16:46:13

```
1 *public class DiscountClass {  
2     Decimal regularDiscount = 0.56;  
3     Decimal finalPrice;  
4     public Decimal calculateDiscount(Integer price){  
5         finalPrice = price - price*regularDiscount;  
6         System.debug('finalPrice :'+finalPrice);  
7         return finalPrice;  
8     }  
9 }
```

- Logs Tab:** Shows three log entries from User Kaushik Mandalaju. All are successful and read 4.44 KB or 11.78 KB.

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 16:46:13	Success		4.44 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 16:45:37	Success		4.44 KB
Kaushik Mandalaju	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 16:20:59	Success		11.78 KB
- Bottom Bar:** Filter, Click here to filter the log list, followed by a Dock with various application icons.

Bottom Window (Right):

- Header:** Chrome, File, Edit, View, History, Bookmarks, Profiles, Tab, Window, Help. Date: Tue 21 Feb 4:47 PM.
- Title Bar:** wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
- Toolbar:** File ▾, Edit ▾, Debug ▾, Test ▾, Workspace ▾, Help ▾, < >
- Code Area:** DiscountClass.apxc Log executeAnonymous @21/02/2023, 16:46:13
- Execution Log Tab:** Shows a single log entry from 16:46:13:015: USER_DEBUG [6]DEBUG|finalPrice :88.00
- Enter Apex Code Dialog:** A modal window titled "Enter Apex Code" containing:

```
1 DiscountClass x = new DiscountClass();  
2 x.calculateDiscount(200);
```
- Logs Tab:** Shows the same three log entries from the top window.
- Bottom Bar:** Filter, Click here to filter the log list, followed by a Dock with various application icons.

Exercise 9

Write a class to demo the use of interfaces in apex.

The screenshot shows two consecutive screenshots of the Salesforce Developer Console in a web browser (Chrome).
The top screenshot displays the code for the `InterfaceExample.apxc` file:1 public interface InterfaceExample {
 Double percentageDiscountToBeApplied();
}
The bottom screenshot shows the code for the `PremiumCustomer.apxc` file, which implements the `InterfaceExample` interface:1 public class PremiumCustomer implements InterfaceExample{
 public Double percentageDiscountToBeApplied (){
 return 0.30;
 }
}
An "Enter Apex Code" dialog box is open, containing the following code:

```
1 PremiumCustomer x = new PremiumCustomer();  
2 Double y= x.percentageDiscountToBeApplied();  
3 System.debug(y);
```

Both screenshots show the logs tab at the bottom, displaying two log entries from the user "Kaushik Mandalaju".

Developer Console

wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

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

InterfaceExample.apxc PremiumCustomer.apxc NormalCustomer.apxc Log executeAnonymous @22/02/2023, 11:01:04 Log executeAnonymous @22/02/2023, 11:03:54

Execution Log

Timestamp	Event	Details
11:03:54:017	USER_DEBUG	[3]DEBUG 0.3

Enter Apex Code

```
1 PremiumCustomer x = new PremiumCustomer();
2 Double y= x.percentageDiscountTobeApplied();
3 System.debug(y);
```

This Frame Executable Debug Only Filter Click here to filter the log

Open Log Execute Execute Highlighted

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 11:03:54	Success		3.85 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 11:01:04	Success		3.83 KB

Filter Click here to filter the log list



Developer Console

wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

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

InterfaceExample.apxc PremiumCustomer.apxc NormalCustomer.apxc Log executeAnonymous @22/02/2023, 11:01:04

Code Coverage: None API Version: 57 Go To

```
1 public class NormalCustomer implements InterfaceExample {
2     public Double percentageDiscountTobeApplied (){
3         return 0.10;
4     }
5 }
6
7 }
```

Enter Apex Code

```
1 NormalCustomer x = new NormalCustomer();
2 Double y= x.percentageDiscountTobeApplied();
3 System.debug(y);
```

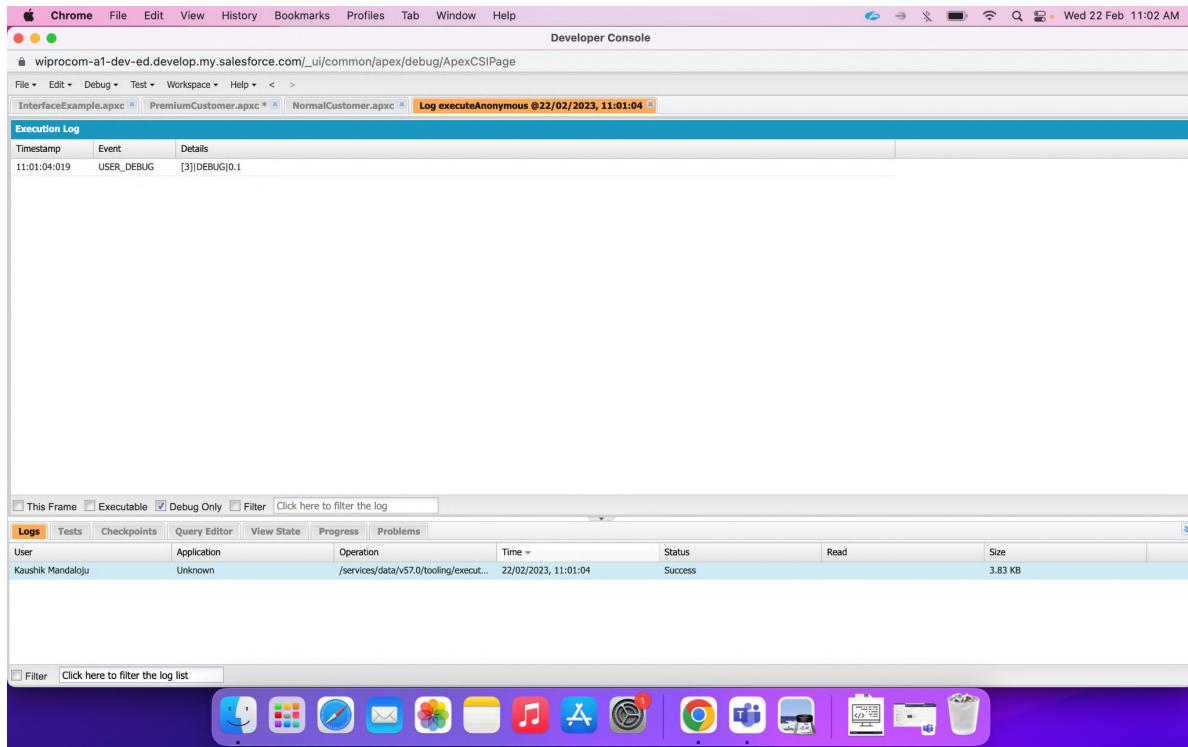
Open Log Execute Execute Highlighted

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 11:01:04	Success		3.83 KB

Filter Click here to filter the log list





Exercise-10

Demo on DML Insert Operation Using Database Methods

```
1  public class CustomerInsert {
2    public void insertcust(){
3      List<customer__c> c=new List<customer__c>();
4      customer__c cl=new customer__c();
5      cl.Name='Wipro2';
6      cl.Customer_Type__c='Premium';
7      c.add(cl);
8      insert c;
9      ID cusId=cl.Id;
10
11     List<Billing__c> blist=new List<Billing__c>();
12     Billing__c b=new Billing__c();
13     b.Status__c='Paid';
14     b.Amount_Paid__c= 5000000;
15     b.customer__c=cl.Id;
16     blist.add(b);
17
18     DataBase.SaveResult[] s=Database.insert(blist, false);
19 }
```

The code implements a CustomerInsert class with an insertcust() method. It creates a list of customer__c records, adds a new record with Name 'Wipro2' and Customer_Type__c 'Premium', and inserts it. It then creates a list of Billing__c records, adds one with Status__c 'Paid' and Amount_Paid__c 5000000, and adds it to the list. Finally, it inserts the list of Billing__c records.

Developer Console

wipocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help < >

CustomerInsert.apxc Log executeAnonymous @22/02/2023, 13:02:06

Code Coverage: None API Version: 57 Go To

```
15     b.customer_c=c1.Id;
16     blist.add(b);
17 
18     DataBase.SaveResult[] s=Database.insert(blist, false);
19 
20     for(DataBase.SaveResult res :s){
21         if(res.isSuccess()){
22             system.debug('Record is inserted and the record ID:- '+res.getId());
23         }else{
24             for(Database.Error err: res.getErrors()){
25                 system.debug(err.getStatusCode()+' :'+err.getMessage());
26                 system.debug('Errors at following billinf fields'+err.getFields());
27             }
28         }
29     }
30 }
31 }
32 }
33 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Name Line Problem



Developer Console

wipocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help < >

CustomerInsert.apxc Log executeAnonymous @22/02/2023, 13:02:06

Execution Log

Timestamp	Event	Details
13:02:06:145	USER_DEBUG	[22][DEBUG]Record is inserted and the record ID:- a012w000017kep7AAC

Enter Apex Code

```
1 CustomerInsert x = new CustomerInsert();
2 x.insertcust();
```

This Frame Executable Debug Only Filter Click here to filter the log Open Log Execute Execute Highlighted

Logs Tests Checkpoints Query Editor View State Progress Problems

Name Line Problem



Exercise-11

Displaying Records According to the required conditions

The screenshot shows the Salesforce Developer Console interface. At the top, there's a navigation bar with tabs like File, Edit, Debug, Test, Workspace, Help, and a tab for 'Opportunity@247 PM'. Below the navigation bar is a search bar and a message indicating the number of rows found: 'Select AccountId, Amount, Name, StageName, Account.Industry, Account.Website FROM Opportunity where Account.Industry = 'Energy' AND Account.AnnualRevenue >5000 Query Results - Total Rows: 10'. The main area displays a table with 10 rows of data. The columns are AccountId, Amount, Name, StageName, Account.Industry, and Account.Website. The data includes various oil-related products from United Oil. At the bottom of the developer console, there are tabs for Logs, Tests, Checkpoints, Query Editor (which is selected), View State, Progress, and Problems. To the right of the main area, there's a sidebar titled 'History' with a single entry: 'Executed Select AccountId, Amount, Name, StageName, Account.Industry, Ac...'. The bottom of the screen shows the Mac OS X dock with various application icons.

Exercise-12

Created a Trigger for Billing Named Customer Trigger

The screenshot shows the Salesforce Developer Console interface. At the top, there's a navigation bar with tabs like File, Edit, View, History, Bookmarks, Profiles, Tab, Window, Help, and a tab for 'CustomerTrigger.apxt'. Below the navigation bar is a search bar and a message indicating the execution time: 'Log executedAnonymous @22/02/2023, 13:02:06 | CustomerTrigger.apxt Log executedAnonymous @22/02/2023, 15:12:24'. The main area displays a code editor with the following trigger code:

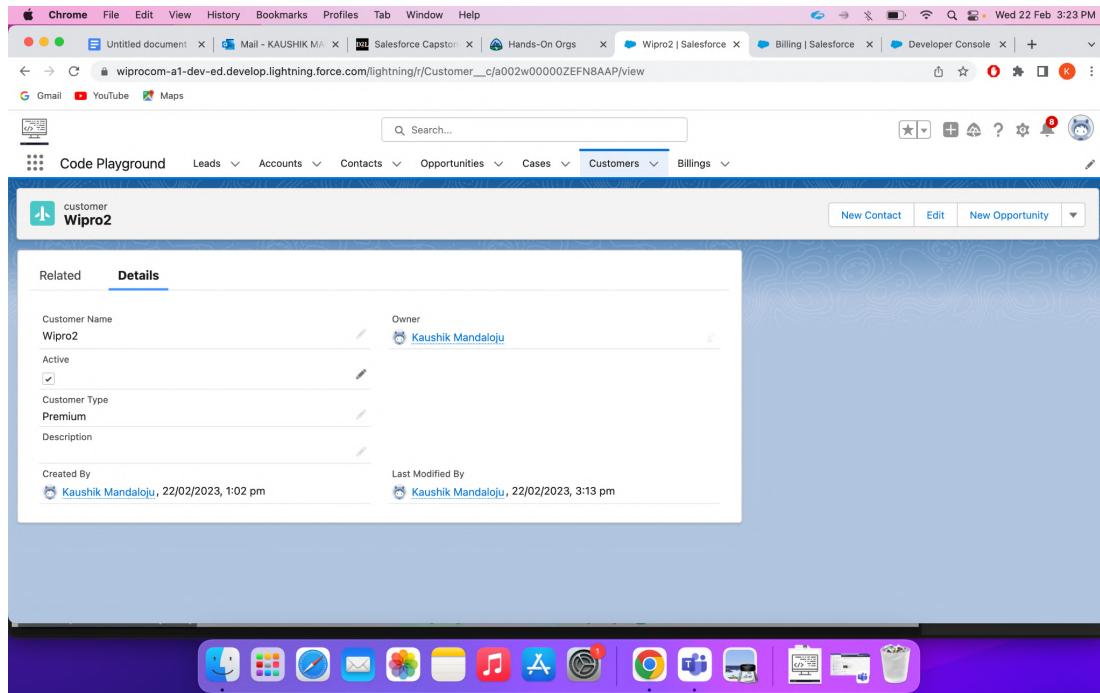
```
trigger CustomerTrigger on Customer__c (after update) {
    if(Trigger.isUpdate) {
        List<customer__c> cm =Trigger.new;
        for(customer__c obj: cm){
            if(obj.Active__c == True){
                Billing__c b = new Billing__c();
                b.Status__c = 'Paid';
                b.Amount_Paid__c = 1000000;
                b.Customer__c = obj.Id;
                insert b;
            }
        }
    }
}
```

Below the code editor, there's a logs section with a table showing log entries. The table has columns for User, Application, Operation, Time, Status, Read, and Size. There are two entries:

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandalolu	/aura		22/02/2023, 15:13:54	Success	Unread	4.44 KB
Kaushik Mandalolu	/aura		22/02/2023, 15:12:24	Insert failed. First exception on row ...		5.18 KB

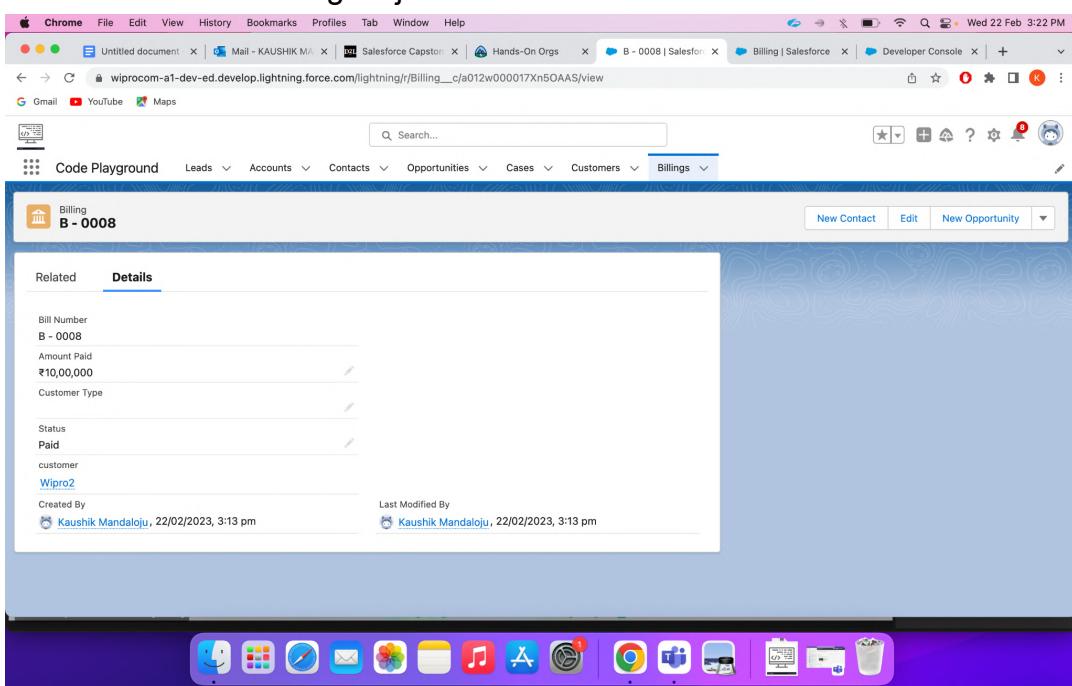
The bottom of the screen shows the Mac OS X dock with various application icons.

Updated Salesforce Customer from inactive to active



The screenshot shows a Chrome browser window with multiple tabs open. The active tab is a Salesforce Lightning page for a customer named 'Wipro2'. The 'Details' tab is selected. The 'Active' field is checked. Other fields visible include 'Customer Name' (Wipro2), 'Owner' (Kaushik Mandaloju), 'Customer Type' (Premium), and 'Description'. The bottom status bar shows the last modified date and time: 'Last Modified By: Kaushik Mandaloju, 22/02/2023, 3:13 pm'.

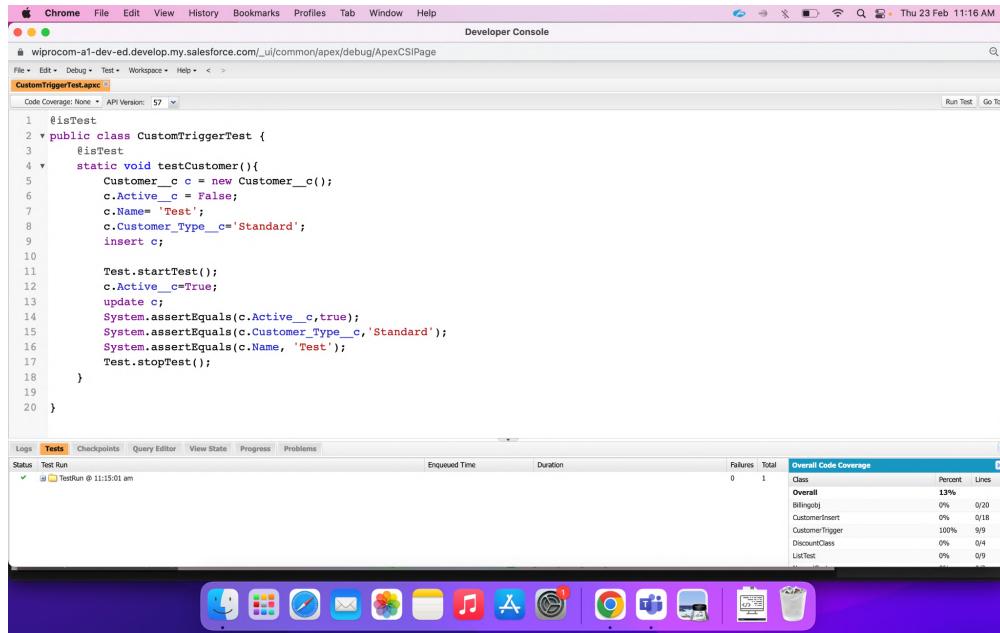
New Record Created in Billing Object with Salesforce as Customer



The screenshot shows a Chrome browser window with multiple tabs open. The active tab is a Salesforce Lightning page for a new Billing record with Bill Number 'B - 0008'. The 'Details' tab is selected. The 'Customer' field is populated with 'Wipro2'. Other fields visible include 'Bill Number' (B - 0008), 'Amount Paid' (₹10,00,000), and 'Customer Type'. The bottom status bar shows the last modified date and time: 'Last Modified By: Kaushik Mandaloju, 22/02/2023, 3:13 pm'.

Exercise-13

Created a Test class for CustomTrigger

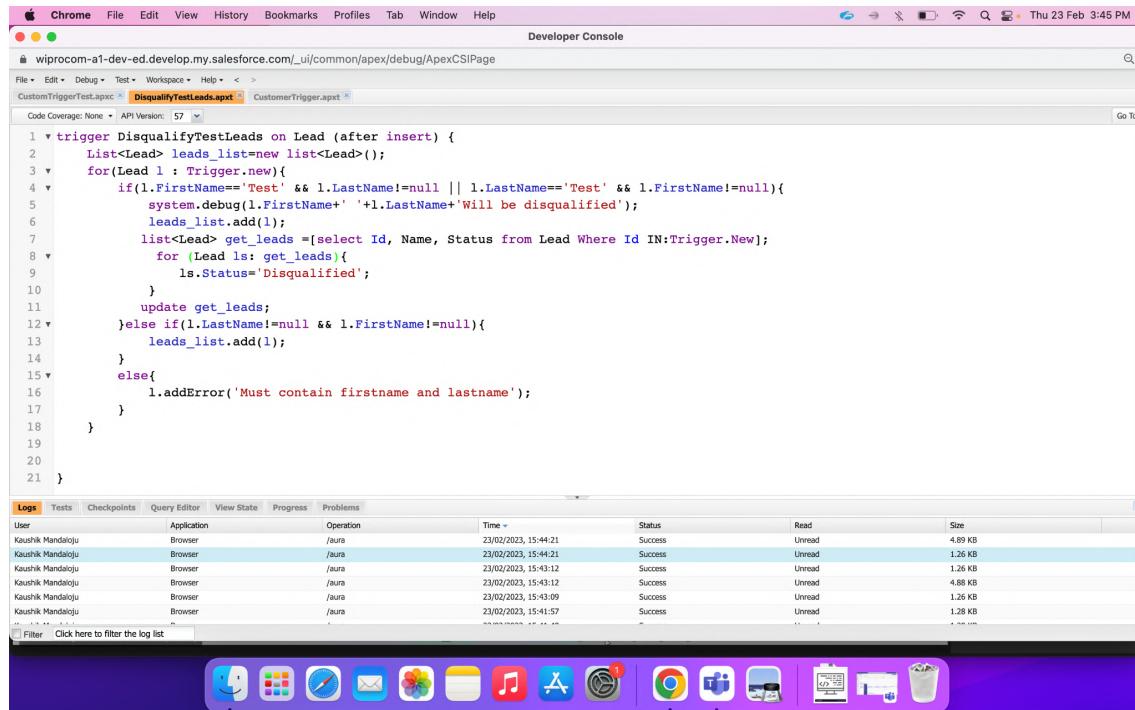


```
1  @isTest
2  public class CustomTriggerTest {
3      @isTest
4      static void testCustomer(){
5          Customer__c c = new Customer__c();
6          c.Active__c = False;
7          c.Name= 'Test';
8          c.Customer_Type__c='Standard';
9          insert c;
10
11         Test.startTest();
12         c.Active__c=True;
13         update c;
14         System.assertEquals(c.Active__c,true);
15         System.assertEquals(c.Customer_Type__c,'Standard');
16         System.assertEquals(c.Name, 'Test');
17     }
18 }
19
20 }
```

Class	Percent	Lines
Overall	13%	
Billingobj	0%	0/20
CustomerInsert	0%	0/18
CustomerTrigger	100%	9/9
DiscountClass	0%	0/4
ListTest	0%	0/9

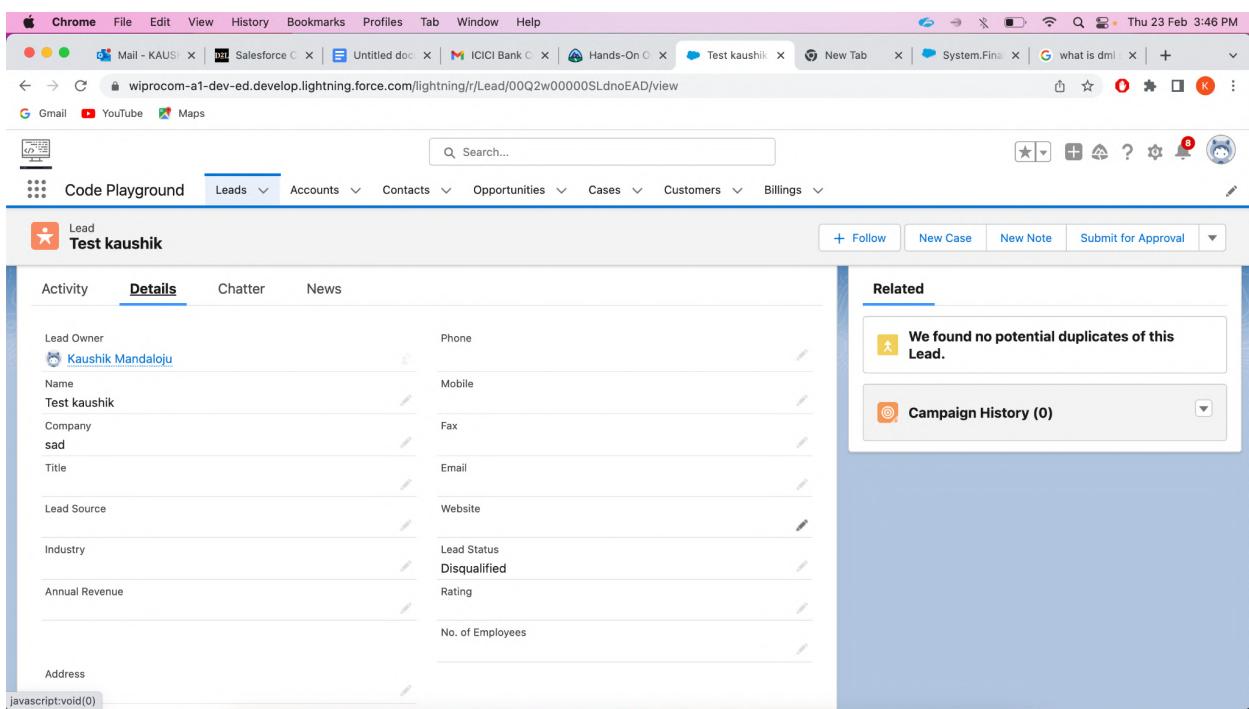
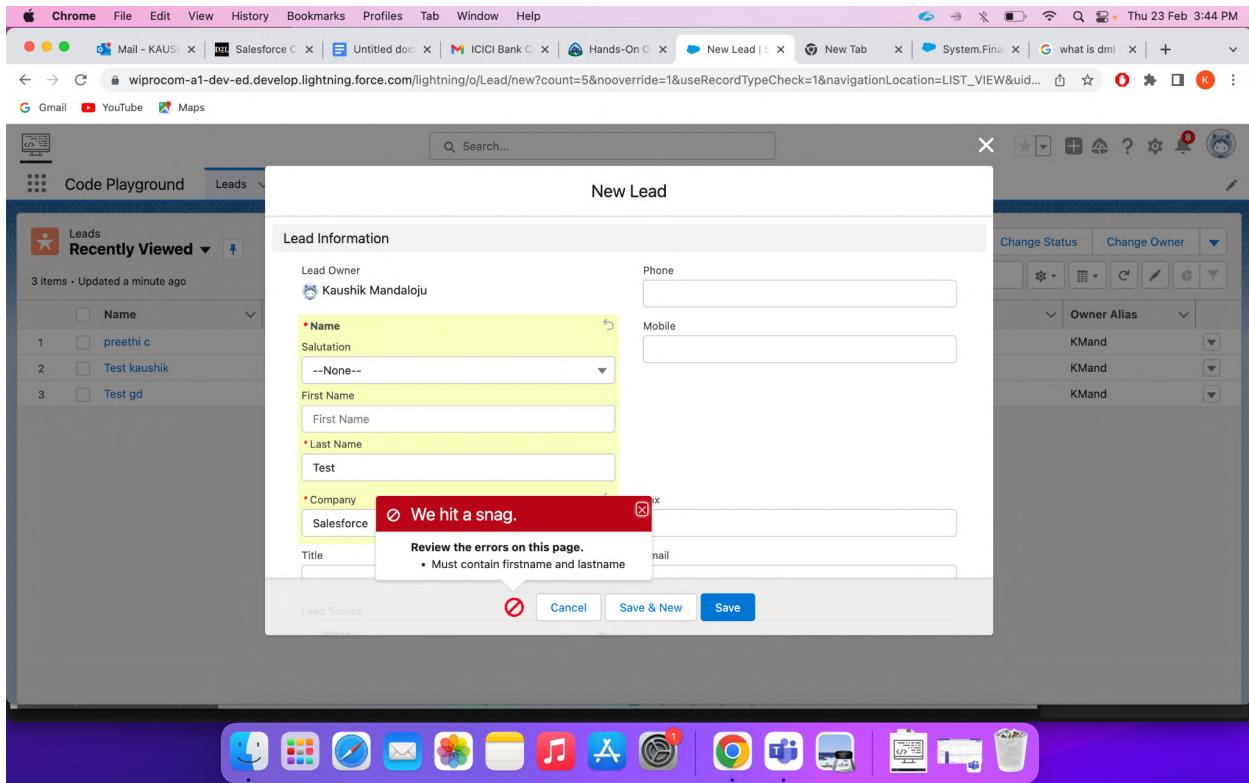
Exercise-14

Created a Trigger for Leads Named DisqualifyTestLeads



```
1 trigger DisqualifyTestLeads on Lead (after insert) {
2     List<Lead> leads_list=new list<Lead>();
3     for(Lead l : Trigger.new){
4         if(l.FirstName=='Test' && l.LastName==null || l.LastName=='Test' && l.FirstName==null){
5             system.debug(l.FirstName+' '+l.LastName+' Will be disqualified');
6             leads_list.add(l);
7             list<Lead> get_leads =[select Id, Name, Status from Lead Where Id IN:Trigger.New];
8             for (Lead ls: get_leads){
9                 ls.Status='Disqualified';
10            }
11            update get_leads;
12        }else if(l.LastName==null && l.FirstName!=null){
13            leads_list.add(l);
14        }
15    }
16    else{
17        laddError('Must contain firstname and lastname');
18    }
19
20 }
21 }
```

User	Application	Operation	Time	Status	Read	Size
Kausik Mandalajlu	Browser	/aura	23/02/2023, 15:44:21	Success	Unread	4.89 KB
Kausik Mandalajlu	Browser	/aura	23/02/2023, 15:44:21	Success	Unread	1.26 KB
Kausik Mandalajlu	Browser	/aura	23/02/2023, 15:43:12	Success	Unread	4.88 KB
Kausik Mandalajlu	Browser	/aura	23/02/2023, 15:43:09	Success	Unread	1.26 KB
Kausik Mandalajlu	Browser	/aura	23/02/2023, 15:41:57	Success	Unread	1.28 KB



Exercise-15

Created a Test class for DisqualifiedTestLeads trigger

The screenshot displays two instances of the Google Chrome browser running on a Mac OS X system. Both instances are viewing the Salesforce Developer Console at the URL https://wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage. The developer console interface includes tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems.

Top Window (Developer Console):

```
1  @isTest
2  public class LeadTriggerTest {
3    @isTest static void leadTest(){
4      List<Lead> test_list=new List<Lead>();
5      Lead l=new Lead();
6      l.FirstName='Siddhartha';
7      l.LastName='Test';
8      l.Company='Amazon';
9      l.Status='Disqualified';
10     test_list.add(l);
11     Test.startTest();
12     insert test_list;
13     Test.stopTest();
14     System.assertEquals(l.FirstName,'Siddhartha');
15     System.assertEquals(l.LastName,'Test');
16     System.assertEquals(l.Status,'Disqualified');
17   }
18   @isTest static void leadTest2(){
19     List<Lead> test_list2=new List<Lead>();
20     Lead l2=new Lead();
21     l2.FirstName=null;
22     l2.LastName='Test';
23     l2.Company='Wipro';
24     test_list2.add(l2);
25     Test.startTest();
26     try
27     {
28       insert test_list2;
29     }
30     catch(Exception e)
31     {
32       system.debug('cannot insert ');
33     }
34   }
35   Test.stopTest();
36   System.assertEquals(l2.FirstName,null);
37   System.assertEquals(l2.LastName,'Test');
38 }
39   @isTest static void leadTest3(){
40     List<Lead> test_list3=new List<Lead>();
41     Lead l3=new Lead();
```

Bottom Window (Developer Console):

```
16   System.assertEquals(l.Status,'Disqualified');
17 }
18   @isTest static void leadTest2(){
19     List<Lead> test_list2=new List<Lead>();
20     Lead l2=new Lead();
21     l2.FirstName=null;
22     l2.LastName='Test';
23     l2.Company='Wipro';
24     test_list2.add(l2);
25     Test.startTest();
26     try
27     {
28       insert test_list2;
29     }
30     catch(Exception e)
31     {
32       system.debug('cannot insert ');
33     }
34   }
35   Test.stopTest();
36   System.assertEquals(l2.FirstName,null);
37   System.assertEquals(l2.LastName,'Test');
38 }
39   @isTest static void leadTest3(){
40     List<Lead> test_list3=new List<Lead>();
41     Lead l3=new Lead();
```

Log Entries (Visible in both windows):

User	Application	Operation	Time	Status	Read	Size
Kausik Mandalajlu	Unknown	/services/data/v57.0/bolting/runTestsSync	24/02/2023, 12:24:32	Success	Unread	33.39 KB
Kausik Mandalajlu	Unknown	/services/data/v57.0/bolting/runTestsSync	24/02/2023, 12:24:05	Insert failed. First exception on row 0; first er...	Unread	32.97 KB
Kausik Mandalajlu	Unknown	/services/data/v57.0/bolting/runTestsSync	24/02/2023, 12:00:23	Insert failed. First exception on row 0; first er...	Unread	32.97 KB
Kausik Mandalajlu	Unknown	/services/data/v57.0/bolting/runTestsSync	24/02/2023, 11:51:16	Insert failed. First exception on row 0; first er...	Unread	32.96 KB
Kausik Mandalajlu	Unknown	/services/data/v57.0/bolting/runTestsSync	24/02/2023, 11:39:10	Insert failed. First exception on row 0; first er...	Unread	32.97 KB
Kausik Mandalajlu	Unknown	/services/data/v57.0/bolting/runTestsSync	24/02/2023, 11:35:04	Insert failed. First exception on row 0; first er...	Unread	32.97 KB

```

1  /*
2  * Test class for LeadTriggerTest
3  */
4
5  public class LeadTriggerTest {
6
7     @isTest static void leadTest3(){
8         List<Lead> test_list3=new List<Lead>();
9         Lead l3=new Lead();
10        l3.FirstName='kaushik';
11        l3.LastName='Mandaloju';
12        l3.Company='XYZ';
13        test_list3.add(l3);
14        Test.startTest();
15        insert test_list3;
16        Test.stopTest();
17        system.assertEquals(l3.FirstName,'kaushik');
18        system.assertEquals(l3.LastName,'Mandaloju');
19    }
20
21 }

```

Logs

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTests?mchron...	24/02/2023, 12:24:32	Success	Unread	33.39 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTests?mchron...	24/02/2023, 12:24:05	Insert failed. First exception on row 0; first err...	Unread	32.97 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTests?mchron...	24/02/2023, 12:20:23	Insert failed. First exception on row 0; first err...	Unread	32.97 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTests?mchron...	24/02/2023, 11:51:16	Insert failed. First exception on row 0; first err...	Unread	32.96 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTests?mchron...	24/02/2023, 11:39:10	Insert failed. First exception on row 0; first err...	Unread	32.97 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTests?mchron...	24/02/2023, 11:35:04	Insert failed. First exception on row 0; first err...	Unread	32.97 KB

Exercise-16

Created a Visualforce Page OppView and displayed four apex: outputfields

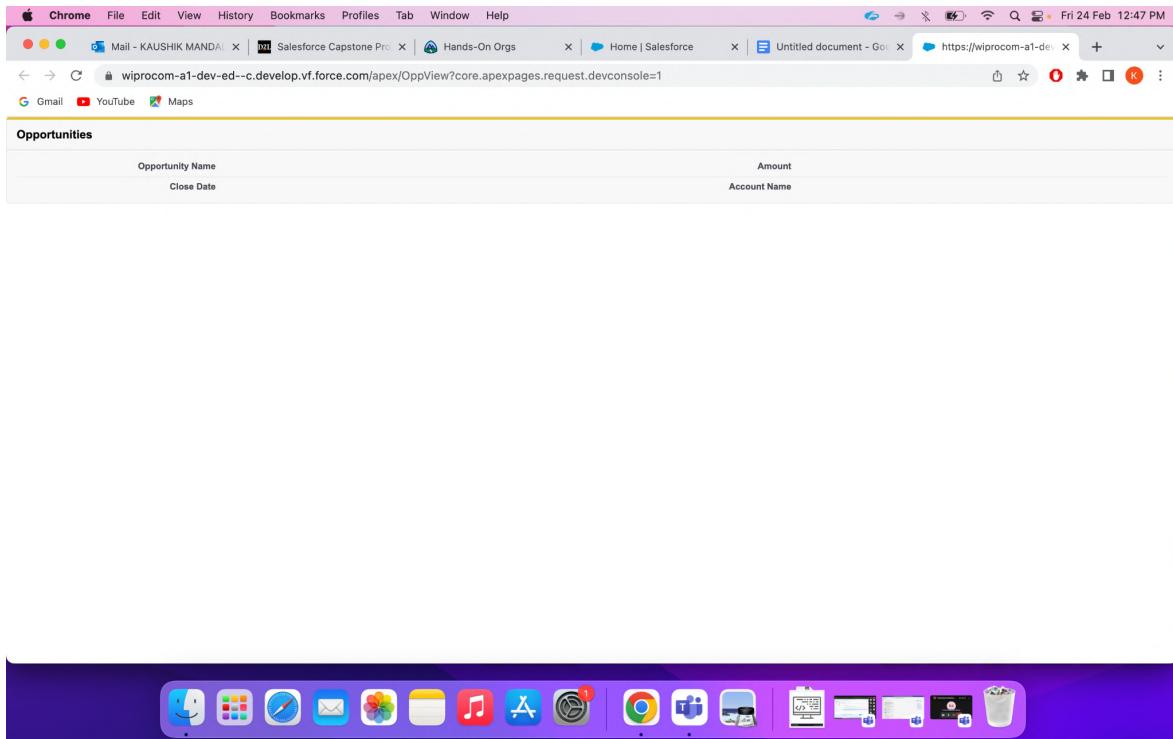
```

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

```

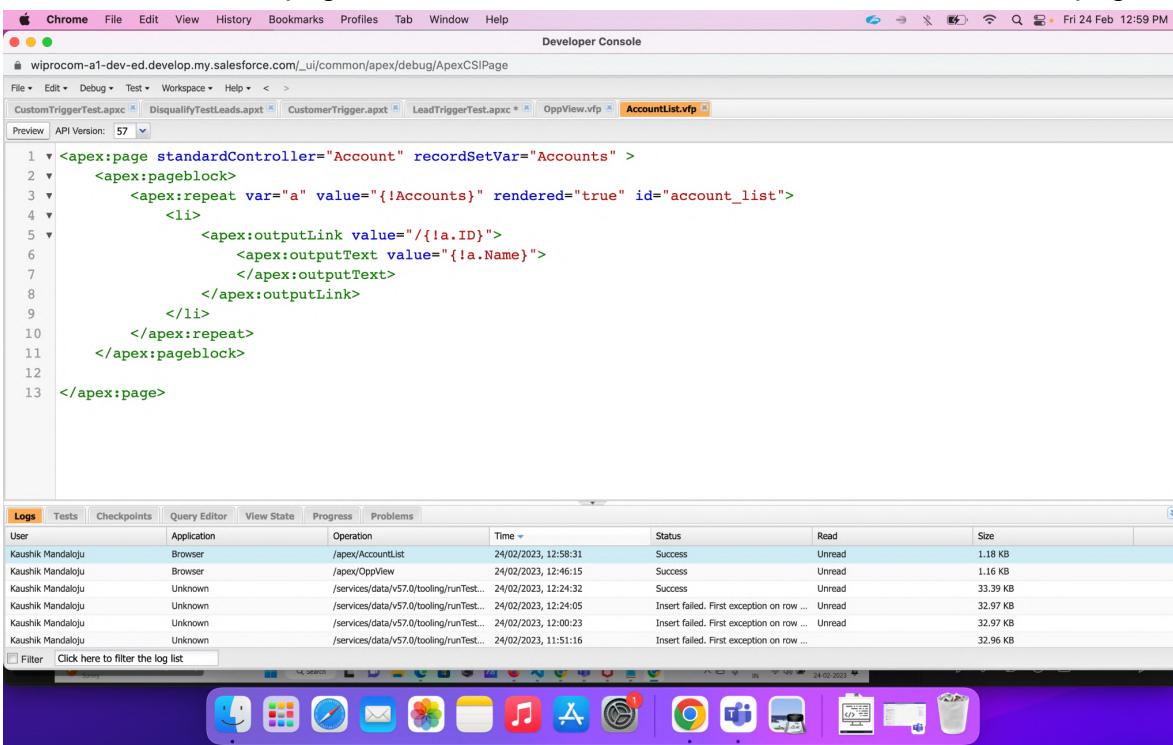
Logs

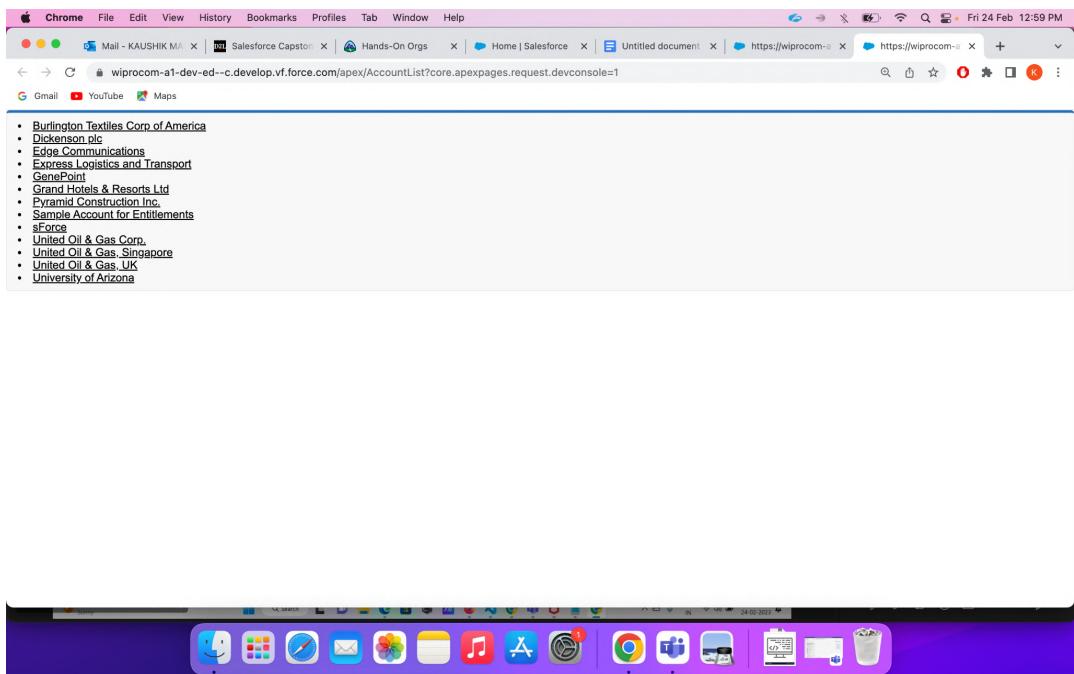
User	Application	Operation	Time	Status	Read	Size
Kaushik Mandaloju	Browser	/apex/OppView	24/02/2023, 12:46:15	Success	Unread	1.16 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTest... 24/02/2023, 12:24:32	Success	Unread	33.39 KB	
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTest... 24/02/2023, 12:24:05	Insert failed. First exception on row ...	Unread	32.97 KB	
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTest... 24/02/2023, 12:00:23	Insert failed. First exception on row ...	Unread	32.97 KB	
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTest... 24/02/2023, 11:51:16	Insert failed. First exception on row ...	Unread	32.96 KB	
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTest... 24/02/2023, 11:39:10	Insert failed. First exception on row ...	Unread	32.97 KB	



Exercise-17

Created a Visualforce page that shows a list of Accounts linked to their record pages





Exercise-18

Created a Vf page that uses an Apex class to display a list of cases with the status of 'New'

The screenshot shows a browser developer console with the title "Developer Console". The URL in the address bar is https://wiprocom-a1-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage. The code editor contains the following Apex class:

```
1 ▼ public class NewCaseListController {
2     list<case> newcase = new list<case>();
3     public list<case> GetNewCases()
4     {
5         newcase = [Select Id,CaseNumber from case where status='New'];
6         return newcase;
7     }
8 }
9 }
```

Below the code editor is a "Logs" tab of a log table. The table has columns: Log ID, Application, Operation, Time, Status, Read, and Size. The data in the table is as follows:

Log ID	Application	Operation	Time	Status	Read	Size
Kaushik Mandalajju	Browser	/apex/NewCaseListController	24/02/2023, 14:38:18	Success	Unread	3.46 KB
Kaushik Mandalajju	Browser	/apex/NewCaseListController	24/02/2023, 14:37:46	Success	Unread	3.46 KB
Kaushik Mandalajju	Browser	/apex/AccountList	24/02/2023, 12:58:31	Success	Unread	1.18 KB
Kaushik Mandalajju	Browser	/apex/OpView	24/02/2023, 12:46:15	Success	Unread	1.16 KB
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 12:24:32	Success	Unread	33.39 KB
Kaushik Mandalajju	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 12:24:05	Insert failed. First exception on row ...	Unread	32.97 KB

Developer Console

```
<apex:page controller="NewCaseListController">
    <apex:repeat var="case" value="{!NewCases}">
        <li>
            <apex:outputLink value="/{!case.id}">{!case.id}</apex:outputLink>
            {!case.CaseNumber}
        </li>
    </apex:repeat>
</apex:page>
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Kaushik Mandaloju	Browser	/apex/NewCaseListController	24/02/2023, 14:38:18	Success	Unread	3.46 KB
Kaushik Mandaloju	Browser	/apex/NewCaseListController	24/02/2023, 14:37:46	Success	Unread	3.46 KB
Kaushik Mandaloju	Browser	/apex/AccountList	24/02/2023, 12:58:31	Success	Unread	1.18 KB
Kaushik Mandaloju	Browser	/apex/OppView	24/02/2023, 12:46:15	Success	Unread	1.16 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 12:24:32	Success	Unread	33.39 KB
Kaushik Mandaloju	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 12:24:05	Insert failed. First exception on row ...	Unread	32.97 KB

Filter Click here to filter the log list

