



Capstone Project Report On “Travel application on Salesforce Technology ”

Submitted by:

Name: Ashee Goud

Batch: Wipro Salesforce B13 (WIP-SF-13)

LMS Id: MGSA_493

Date: 28/02/2023

Github Link: <https://github.com/ashee4532/TravelApp.git>

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Abstract

The Salesforce Travel App is a comprehensive travel management solution that helps travel agencies and tour operators streamline their business processes. The app offers a range of features that allow businesses to manage customer interactions, bookings, and payments. It also enables businesses to offer personalised travel packages to their customers, increasing customer satisfaction and loyalty.

The report highlights the benefits of using Salesforce technology for travel companies, including increased efficiency, improved customer experiences, and increased revenue. The technology's integration with Salesforce's Customer 360 platform allows travel companies to create a single view of the customer, which can help them better understand their customers' needs and preferences.

The travel app built on Salesforce technology is a web-based application that leverages data from multiple sources to provide personalised recommendations to customers. The app's seamless booking process, real-time updates, customer support, and loyalty programs make it a great choice for customers looking for convenient and enjoyable travel planning experiences.

Overall, this report provides valuable insights into the potential of Salesforce technology in the travel industry. It encourages travel companies to leverage this technology to improve customer experiences, increase customer loyalty, and drive revenue growth.

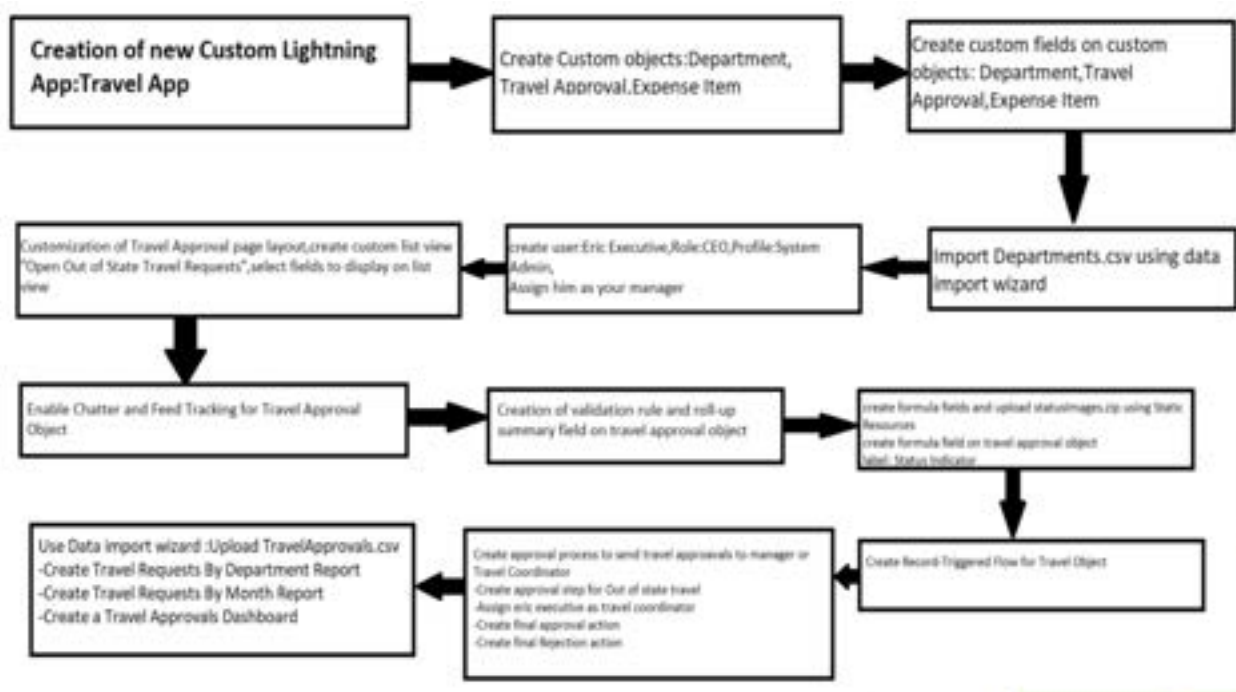
Introduction

Travel industry is one of the largest and most competitive industries in the world. With the rise of digitalisation, customers are now preferring to book their travel plans online, hence increasing the demand for travel apps. Salesforce technology has been used to develop a travel app that is aimed at providing seamless and personalised experiences to customers.

Travel is one of the largest industries in the world, and with the rise of technology, the travel industry has been transformed. Today, there are many travel apps that allow travellers to book flights, hotels, rental cars, and more from the comfort of their own home. Salesforce technology is a popular platform for building travel apps due to its robust features and scalability. In this report, we will discuss the benefits of using Salesforce technology to build a travel app, and how it can improve the overall customer experience.

The travel app built on Salesforce technology is a web-based application that allows customers to book their travel plans online. The app is designed to provide personalised experiences to customers by leveraging data about their preferences and behaviors. It is built using Salesforce's Customer 360 platform, which integrates data from multiple sources to create a single view of the customer.

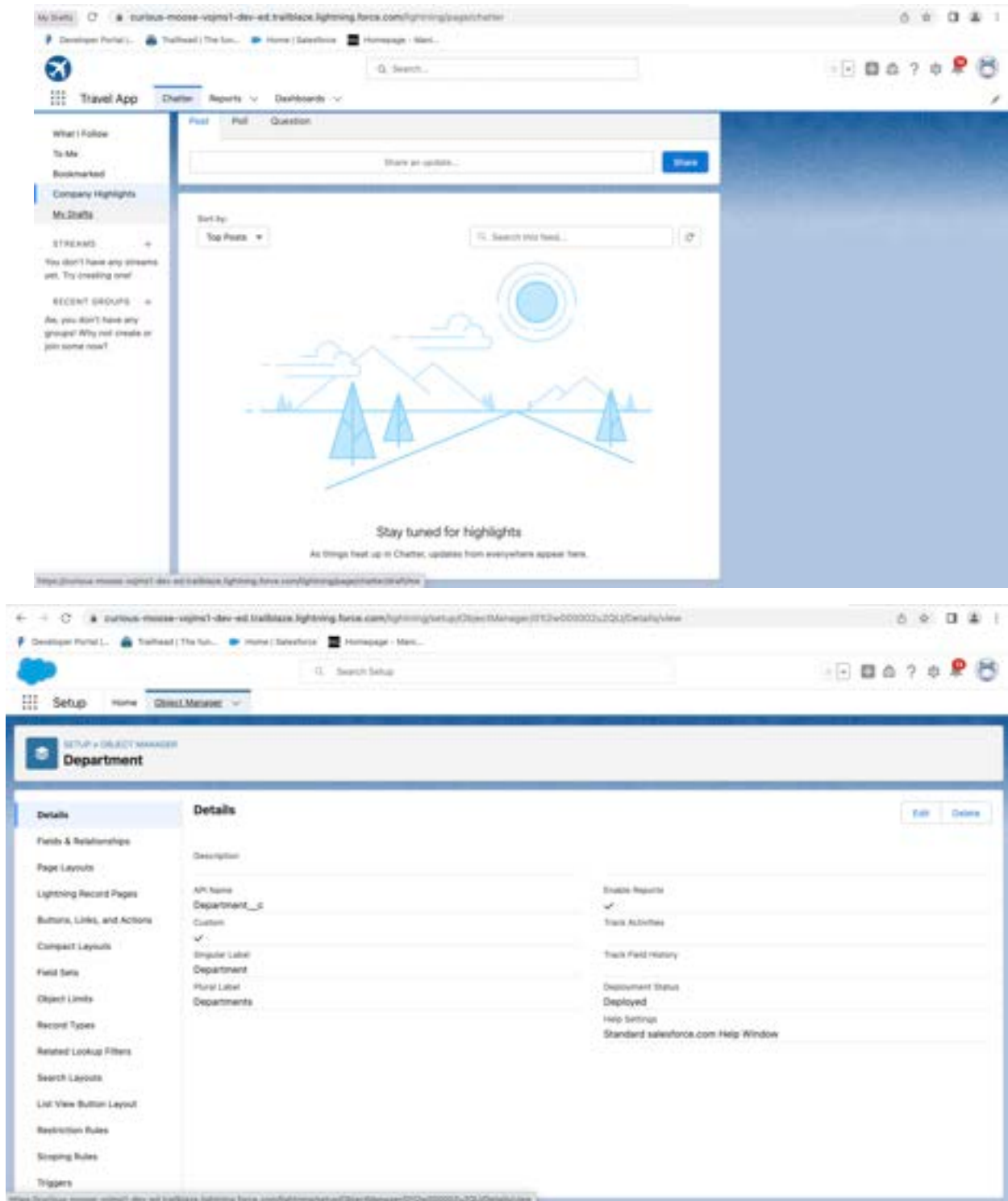
Flow of the Project



ScreenShots

Module 1:

Exercise 1:



curious-moose-vjms1-dev-ed.trilblaze.lightning.force.com/lightning/setup/ObjectManager/FieldAndRelationships/dependentFieldController06...

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Main...

Search Setup

Setup Home Object Manager

Department

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

Controlling Field Location

Dependent Field Department Type

Instructions

- Double-click on a cell to toggle its visibility for the Controlling Field value shown in the column heading.
- To change multiple cells at once, select multiple cells and then click the Include Values or Exclude Values button to change the visibility of all selected cells at once.
- Use Shift + click to select a range of adjacent cells. Use Ctrl, + click to select multiple cells that are not adjacent.
- Use the Previous button to test the results.

Click button to include or exclude selected values from the dependent picklist.

Include Values Exclude Values

Location	Department Type	Available	Selected
Germany	Technology		
France	Technology		
Education	Technology		
Energy	Technology		
IT	Technology		

Showing Columns: 1 of 2 of 2 Columns | Next | View All | Go to

Click button to include or exclude selected values from the dependent picklist.

Include Values Exclude Values

Save Cancel Previous

curious-moose-vjms1-dev-ed.trilblaze.lightning.force.com/lightning/Travel_Approval__c04022w000008lx2AAA/view

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Main...

Search

Travel App Chatter Reports Dashboards Departments Travel Approvals

Travel Approval TA00001

+ Follow Edit New Contact New Opportunity

Related Details

Travel Approval # TA00001

Status Approved

Total Expenses \$1,320.00

Status Indicator

Created By Ashlee Gault, 23/02/2023, 2:20 pm

Last Modified By Ashlee Gault, 24/02/2023, 1:01 pm

Trip Info

Purpose Of Trip Attend Dreamforce

Trip Start Date 23/02/2023

Trip End Date 24/02/2023

Out Of State

Destination State CA

Activity Chatter

Filters: All time - All activities - All types

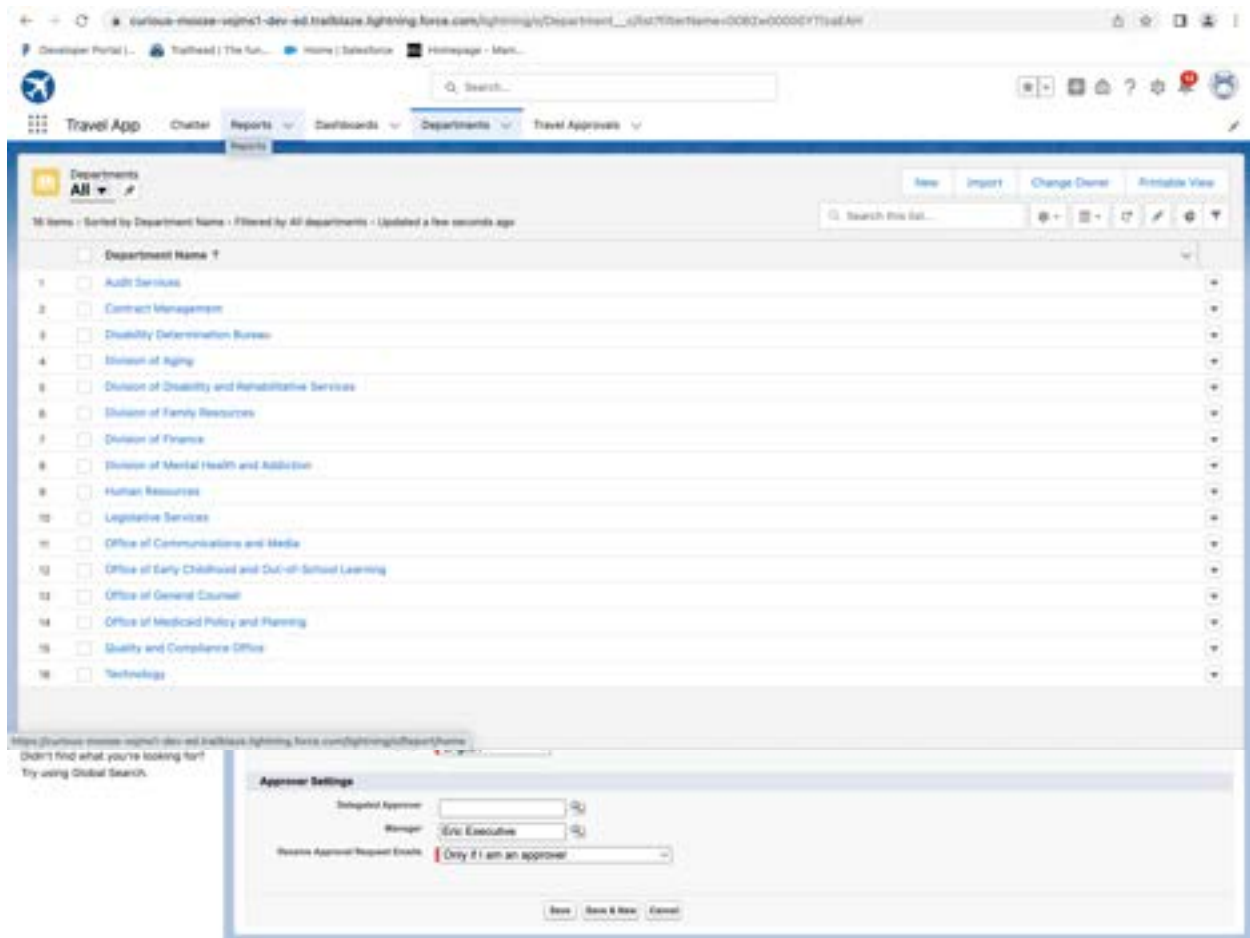
Refresh Expand All View All

Upcoming & Overdue

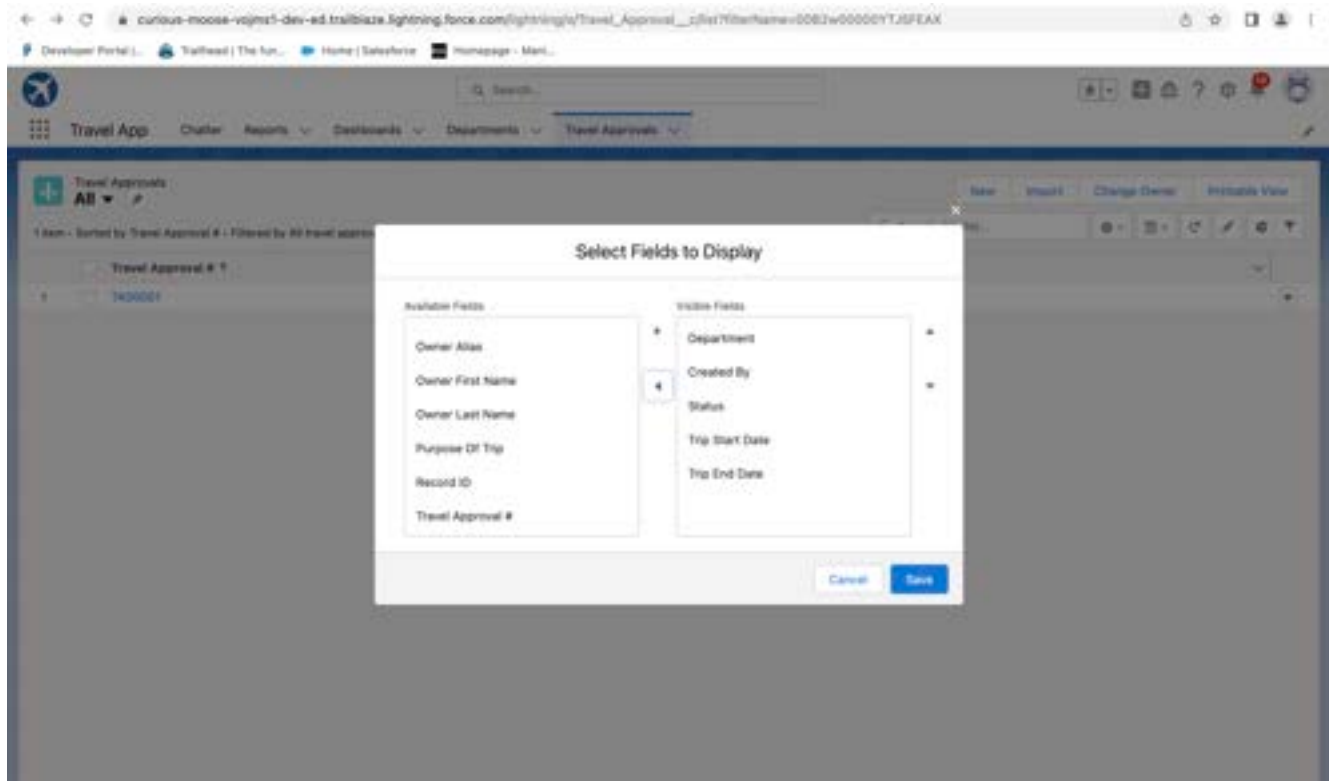
No activities to show.

Get started by sending an email, scheduling a task, and more.

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



Exercise 2:



curious-moose-vgjmt-dev-ed trailblaze.lightning.force.com/lightning/page/chatter

Developer Portal | Trailhead | The Fun... Home | Salesforce Homepage | Maps

Search...

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
As 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...

Ashlee Gould 10 ago
@Eric Executive Which department should I associate this travel request with?

Like Comment Share 1 comment · 1 view

Eric Executive a few seconds ago
Technology is the correct department.
Like

Write a comment...

curious-moose-vgjmt-dev-ed trailblaze.lightning.force.com/lightning/Travel_Approval__c/0022w000006m2AAA/view

Developer Portal | Trailhead | The Fun... Home | Salesforce Homepage | Maps

Search...

Travel App Chatter Reports Dashboards Departments Travel Approvals

Travel Approval
TA000001

+ Follow Edit New Contact New Opportunity

Related Details

Travel Approval # TA000001

Status Draft

Created By Ashlee Gould, 23/02/2023, 2:20 pm

Last Modified By Ashlee Gould, 23/02/2023, 2:20 pm

Owner Ashlee Gould

Department Technology

▼ Trip Info

Purpose Of Trip Attend Dreamforce

Out Of State ☒

Trip Start Date 23/02/2023

Destination State CA

Trip End Date 04/03/2023

Activity Chatter

Post Poll Question

Share an update... Share

Sort by: Most Recent Activity Search this feed...

Ashlee Gould 10 ago
@Eric Executive Which department should I associate this travel request with?

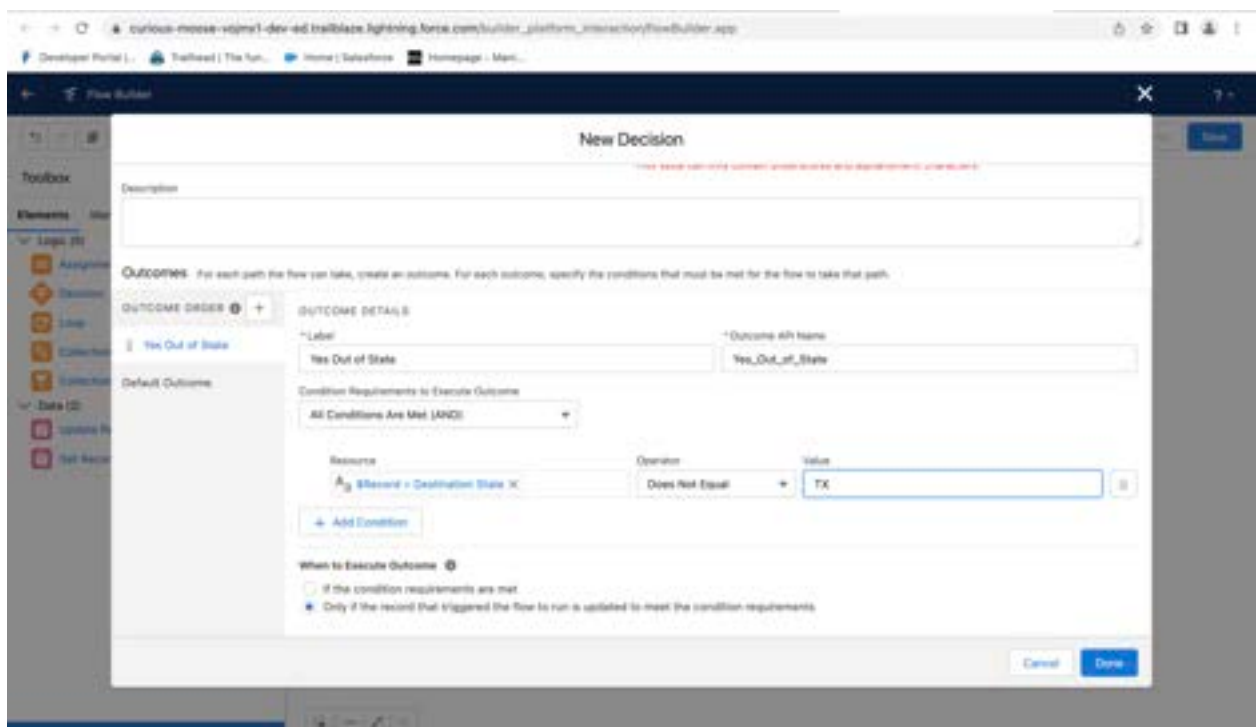
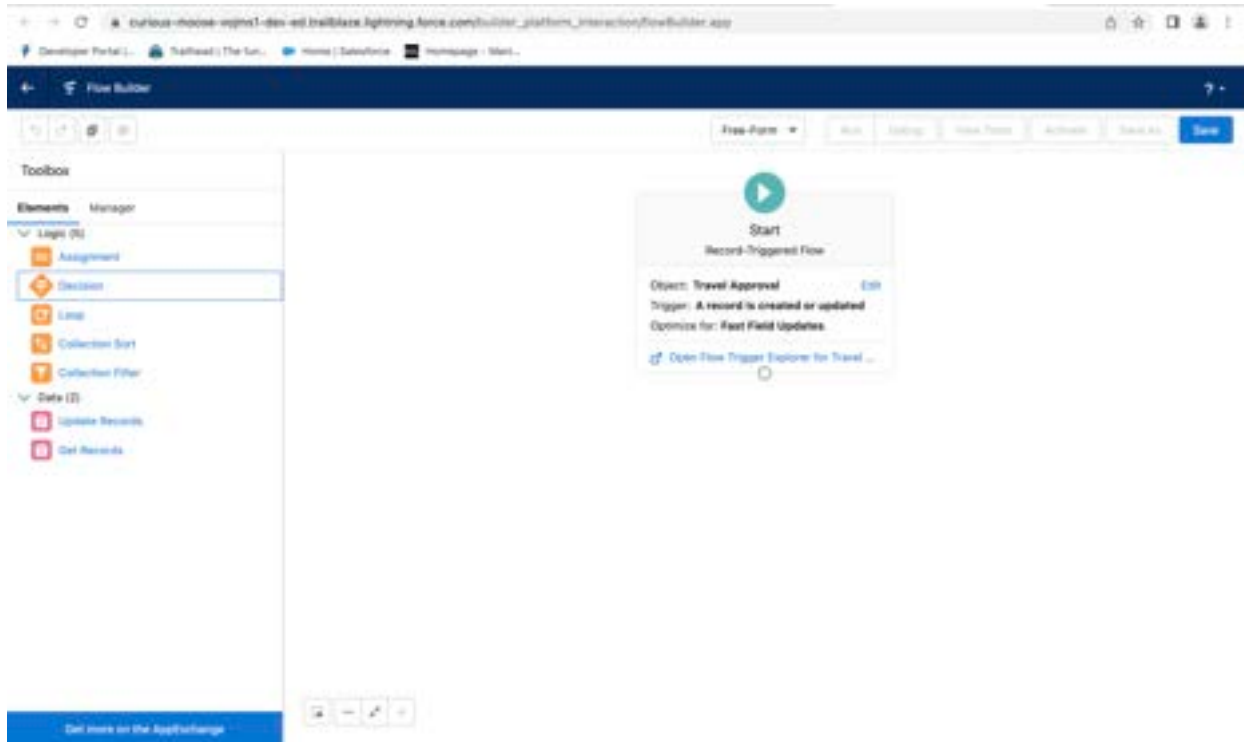
Like Comment 1 comment · 1 view

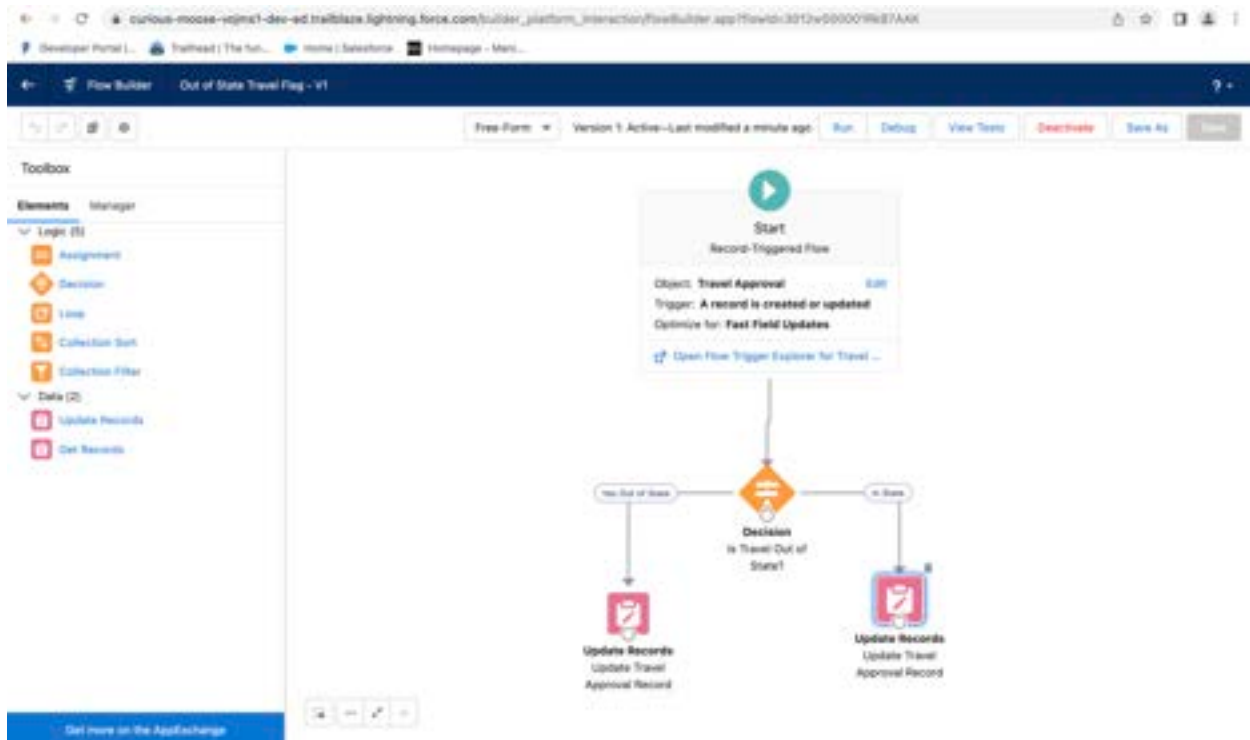
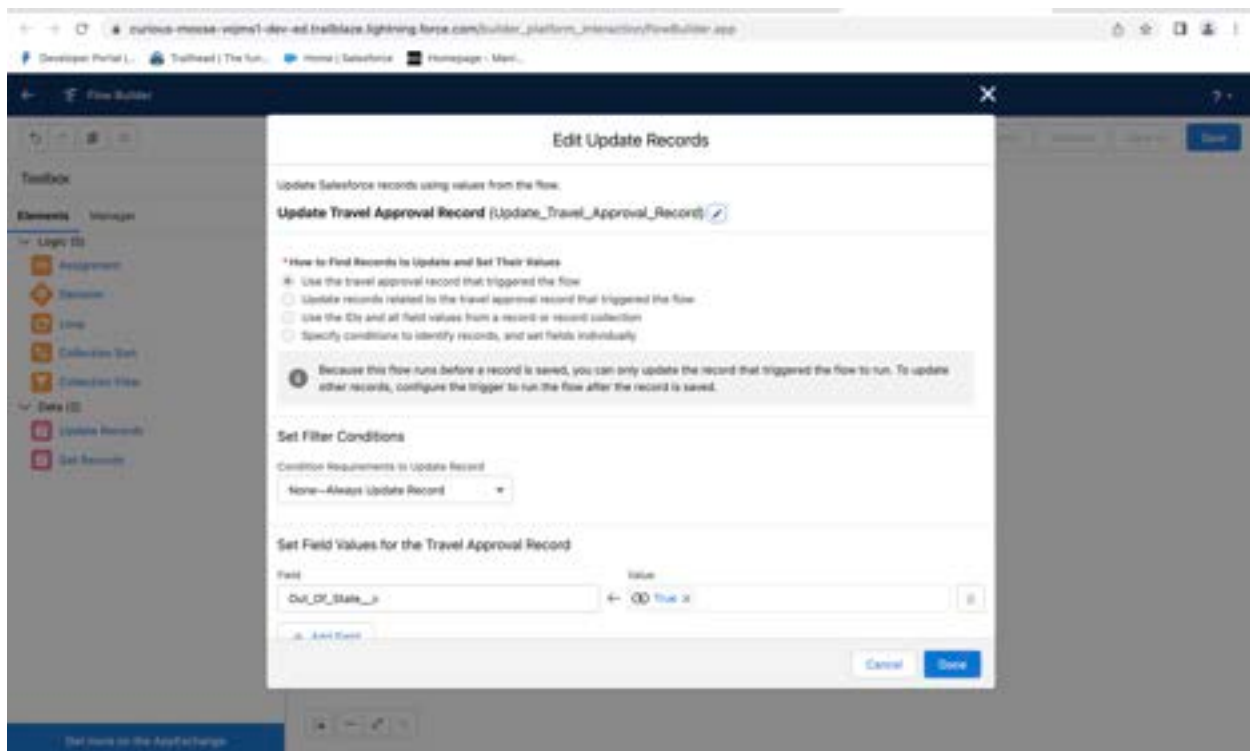
Eric Executive a few seconds ago
Technology is the correct department.
Like

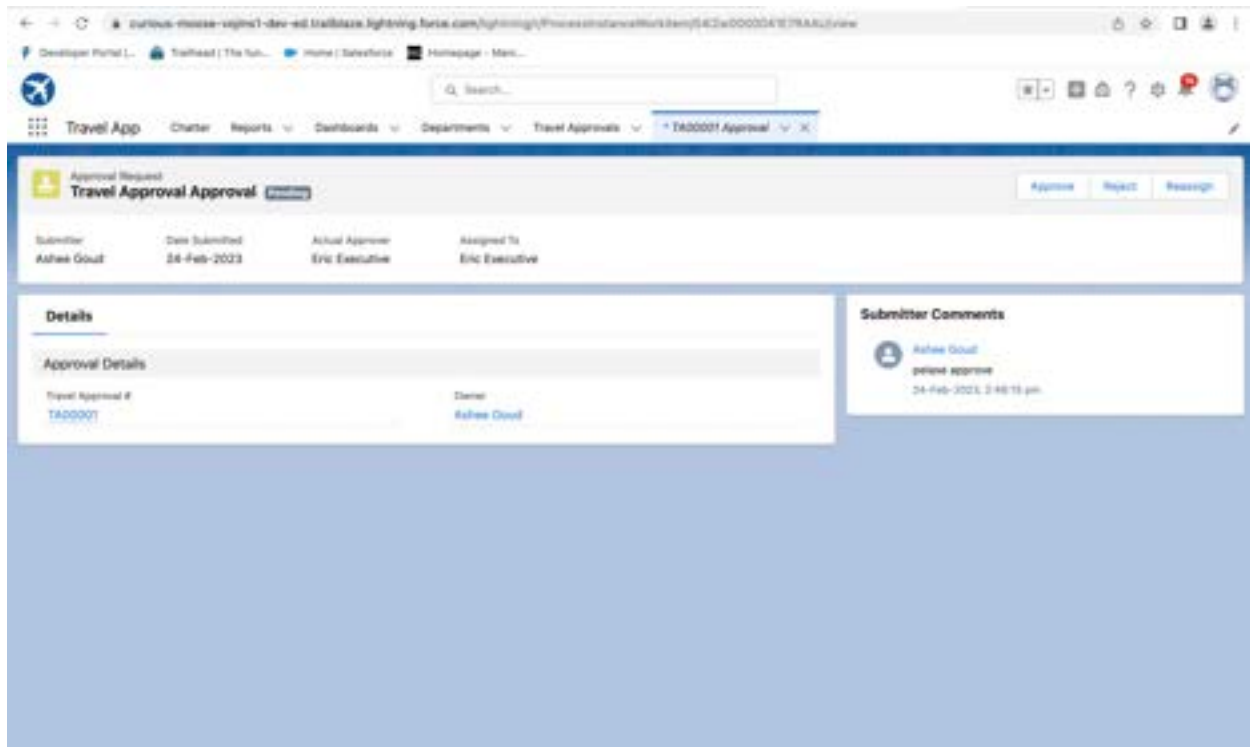
Write a comment...

Module 2:

Exercise 1:





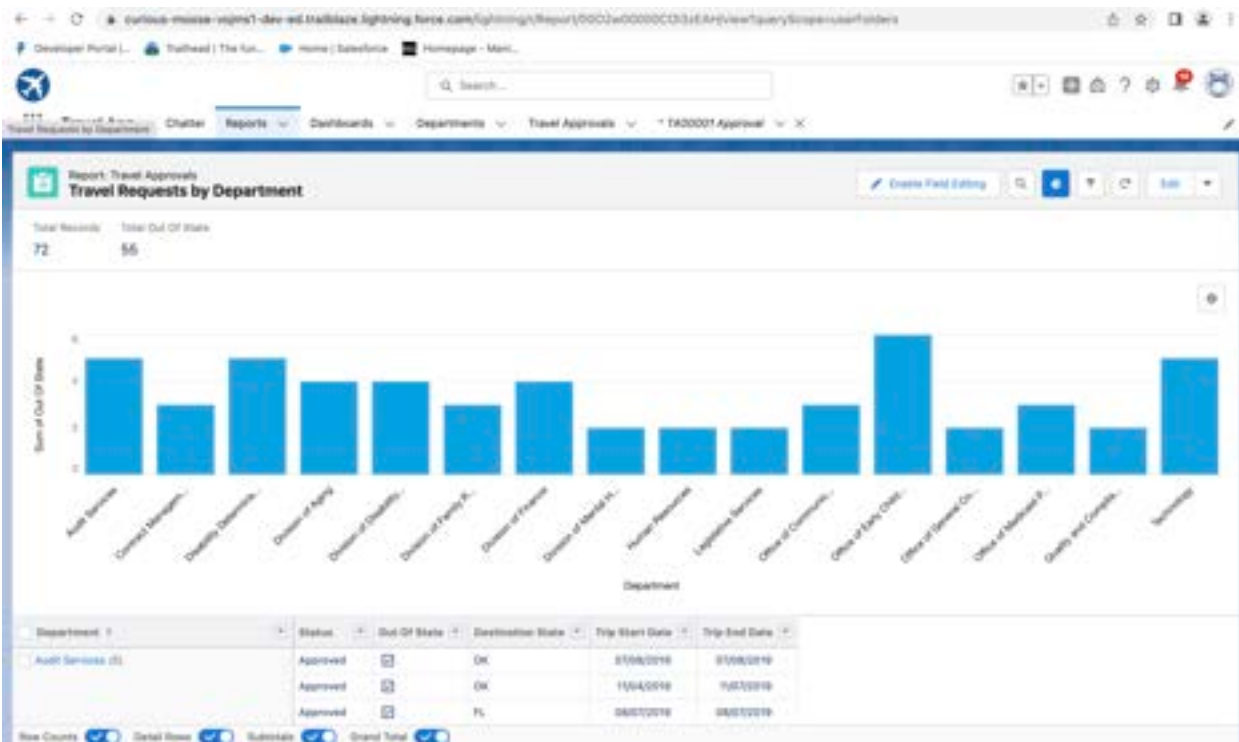


Exercise 2:

Travel Approvals

12 Items - Sorted by Department - Filtered by All travel approvals - Updated a few seconds ago

Department	Created By	Status	Trip Start Date	Trip End Date
Office of General Counsel	Ashlee Goud	Approved	04/01/2019	04/01/2019
Office of Medicaid Policy and Planning	Ashlee Goud	Approved	11/01/2019	11/01/2019
Office of Medicaid Policy and Planning	Ashlee Goud	Approved	07/01/2019	07/01/2019
Office of Medicaid Policy and Planning	Ashlee Goud	Approved	06/01/2019	06/01/2019
Office of Medicaid Policy and Planning	Ashlee Goud	Approved	08/01/2019	08/01/2019
Office of Medicaid Policy and Planning	Ashlee Goud	Approved	07/01/2019	07/01/2019
Office of Medicaid Policy and Planning	Ashlee Goud	Rejected	08/01/2019	08/01/2019
Quality and Compliance Office	Ashlee Goud	Approved	01/01/2019	01/01/2019
Quality and Compliance Office	Ashlee Goud	Approved	08/01/2019	08/01/2019
Quality and Compliance Office	Ashlee Goud	Approved	12/01/2019	12/01/2019
Technology	Ashlee Goud	Approved	03/01/2019	03/01/2019
Technology	Ashlee Goud	Approved	01/01/2019	01/01/2019
Technology	Ashlee Goud	Approved	04/01/2019	04/01/2019
Technology	Ashlee Goud	Approved	02/01/2019	02/01/2019
Technology	Ashlee Goud	Approved	08/01/2019	08/01/2019
Technology	Ashlee Goud	Approved	08/01/2019	08/01/2019
Technology	Ashlee Goud	Approved	11/01/2019	11/01/2019
Technology	Ashlee Goud	Rejected	11/01/2019	11/01/2019



curious-moose-vjmsf-dev-ed.trilbaze.lightning.force.com/lightning/Report/0002w00000C0GHEAP/view

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Main...

Search...

Travel App | Chatter | Reports | Dashboards | Departments | Travel Approvals | TAD0001 Approval

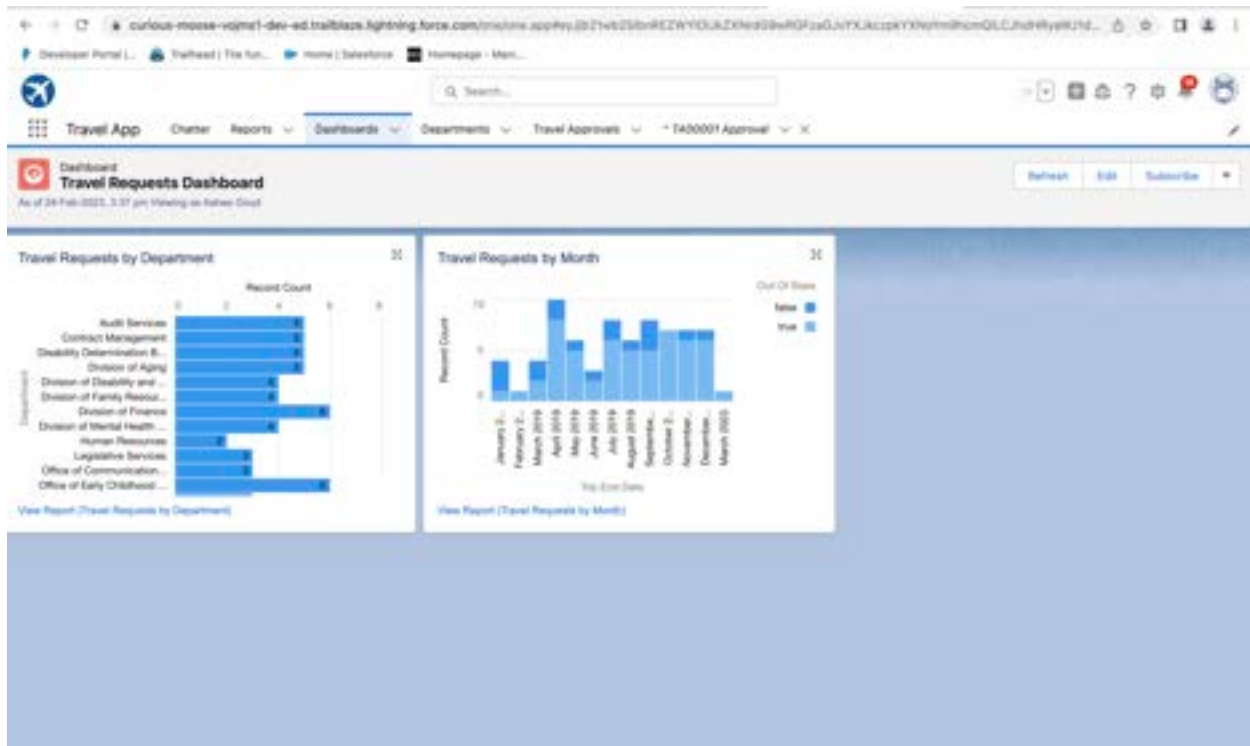
Report: Travel Approvals

Travel Requests by Month

Total Records: 72

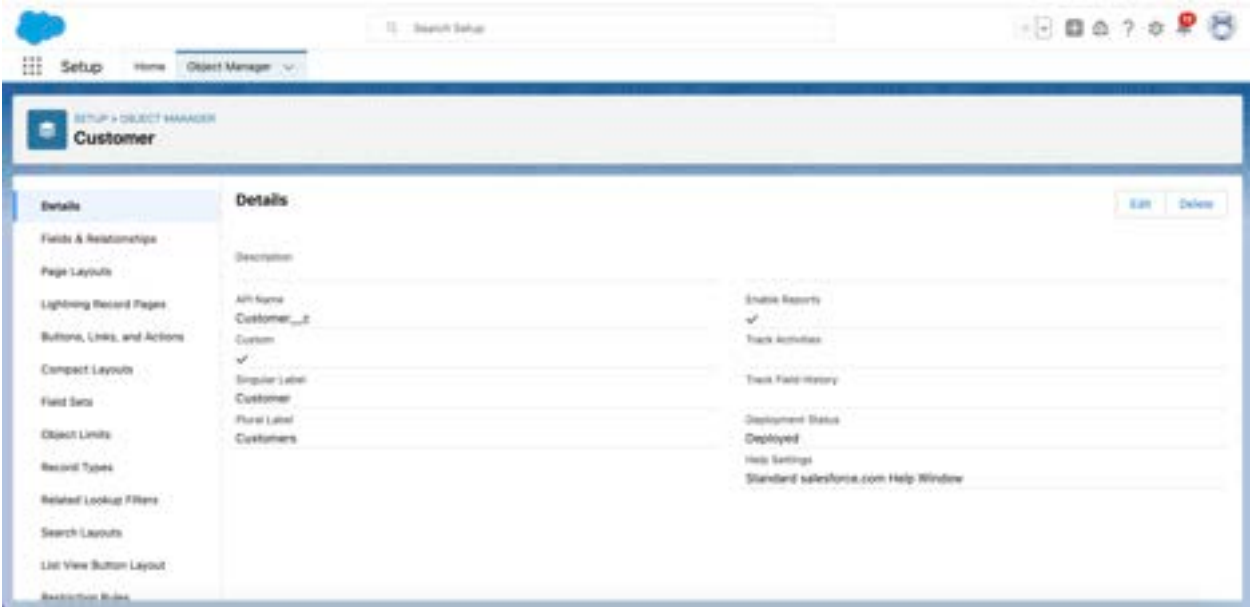
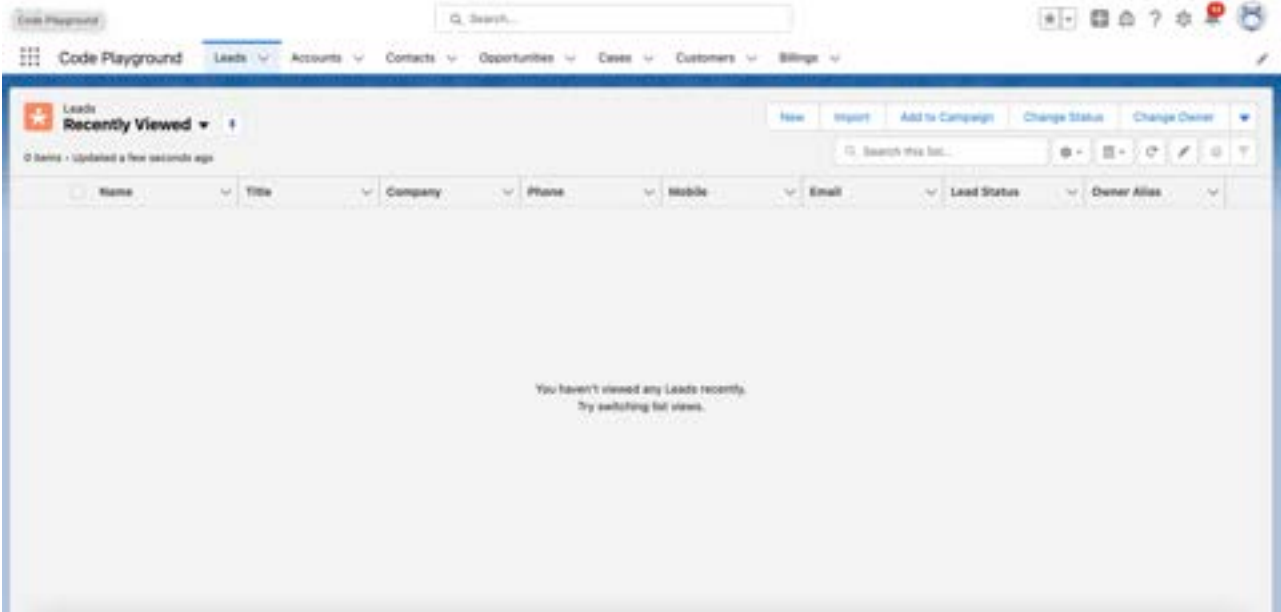
Trip End Date	Out Of State	Department	Status	Destination State	Trip Start Date
January 2019 (4)	<input checked="" type="checkbox"/> (3)	Division of Finance	Approved	TX	09/01/2018
		Office of General Counsel	Approved	TX	04/01/2019
		Division of Family Resources	Approved	TX	04/01/2019
	<input checked="" type="checkbox"/> (1)	Disability Determination Bureau	Approved	OK	02/01/2019
Subtotal					
February 2019 (1)	<input checked="" type="checkbox"/> (1)	Division of Family Resources	Approved	FL	11/01/2018
Subtotal					
March 2019 (4)	<input checked="" type="checkbox"/> (2)	Legislative Services	Approved	TX	06/03/2018
		Office of Medicaid Policy and Planning	Rejected	TX	06/03/2018
	<input checked="" type="checkbox"/> (1)	Audit Services	Approved	OK	08/03/2018
		Division of Finance	Approved	OK	08/03/2018
	Subtotal				

Row Counts: ☒ Detail Rows: ☒ Subtotals: ☒ Grand Total: ☒



Module 3:

Exercise 1:



resourceful-hawk-09800-dev-ed.trilbaze.lightning.force.com/lightning/setup/CustomTabs/page?address=02F012w0000003q0rN%3Fsetup%3DCustomTab

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Mark...

Search Setup

Setup Home Object Manager

Q: tabs

User Interface

Rename Tabs and Labels

Tabs

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

Custom Object Tab Customers

Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail

Tab Label	Customers	Tab Style	Light Blue
Object	Customer	Select Page Custom Link	
Description		Created By	Ashley Gould 25/02/2025 1:17 pm
Created By	Ashley Gould 25/02/2025 1:17 pm	Modified By	Ashley Gould 25/02/2025 1:17 pm

resourceful-hawk-09800-dev-ed.trilbaze.lightning.force.com/lightning/setup/CustomTabs/page?address=02F012w0000003q0rN%3Fsetup%3DCustomTab

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Mark...

Search Setup

Setup Home Object Manager

Q: tabs

User Interface

Rename Tabs and Labels

Tabs

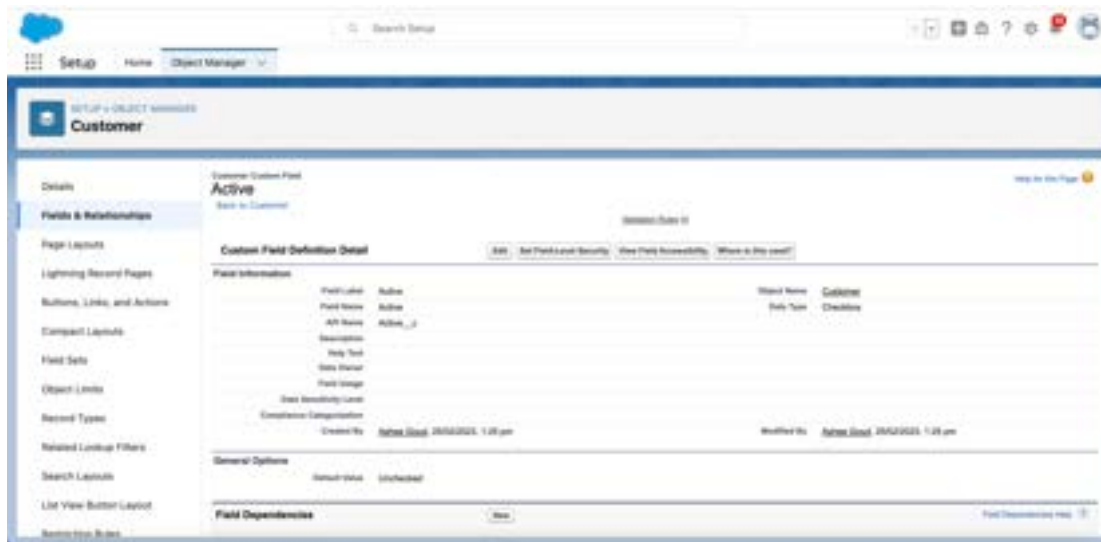
Didn't find what you're looking for? Try using Global Search.

Custom Object Tab Billings

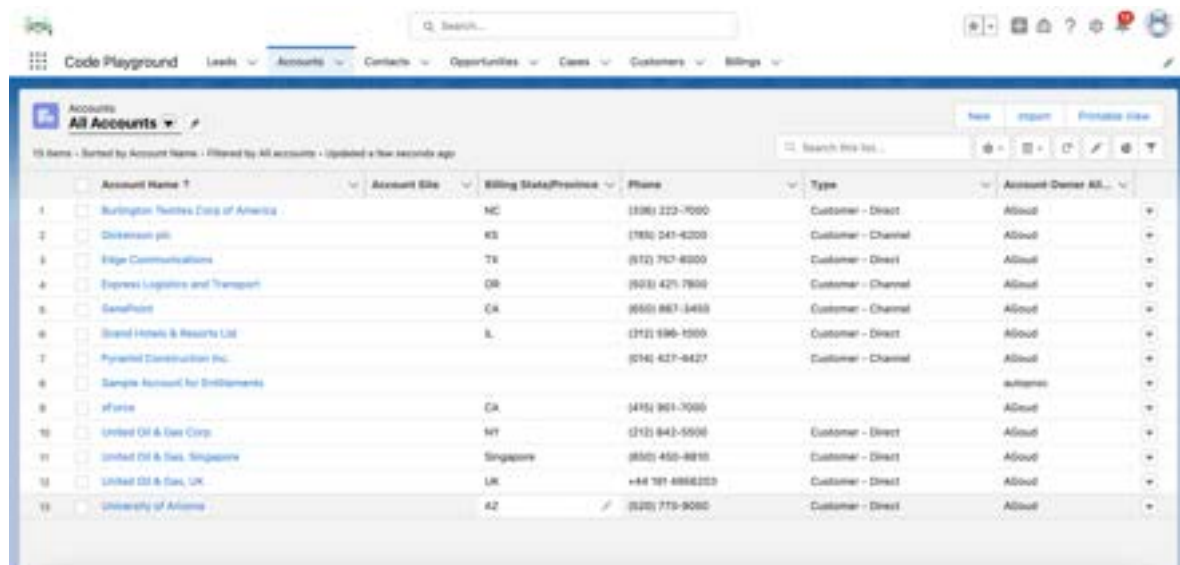
Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail

Tab Label	Billings	Tab Style	Dark Blue
Object	Billing	Select Page Custom Link	
Description		Created By	Ashley Gould 25/02/2025 2:28 pm
Created By	Ashley Gould 25/02/2025 2:28 pm	Modified By	Ashley Gould 25/02/2025 2:28 pm



Exercise 2:



resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Main...

File | Edit | Debug | Test | Workspace | Help | >

Enter Apex Code

```

1 string s = 'Hello Ashlee';
2 System.debug(s.endsWith('Good'));

```

Open Log | Execute | Execute Highlights

Logs | Tests | Checkpoints | **Query Editor** | View State | Progress | Problems

Enter SOQL or SOSL query: SELECT columns FROM type WHERE predicates | FIND what IN type FIELDSET RETURN type(columns) | ...

Any query errors will appear here...

Details | ☐ Use Testing API

History
Executed

resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Main...

File | Edit | Debug | Test | Workspace | Help | >

Log executedAnonymous 8/25/2023, 19:55:41

Execution Log

Timestamp	Event	Details
19:55:40:002	LOGS_INFO	[{"eventName": "2023-08-25T19:55:40.002Z", "message": "resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage"}]
19:55:40:002	EXECUTION_START	
19:55:40:002	CODE_UNIT_START	[{"unitName": "execute_anonymous_apex"}]
19:55:40:002	WARIABLE_SET	[{"name": "s", "value": "Hello Ashlee"}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 1}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 128}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 408}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 408}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 48}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 6}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 1}]
19:55:40:002	STATEMENT_START	[{"line": 1}]
19:55:40:002	STATEMENT_START	[{"line": 1}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 1}]
19:55:40:002	WARIABLE_SET	[{"name": "s", "value": "Hello Ashlee"}]
19:55:40:002	STATEMENT_START	[{"line": 1}]
19:55:40:002	HEAP_ALLOCATE	[{"bytes": 4}]
19:55:40:004	HEAP_ALLOCATE	[{"bytes": 3}]
19:55:40:004	HEAP_ALLOCATE	[{"bytes": 1}]
19:55:40:004	HEAP_ALLOCATE	[{"bytes": 7}]
19:55:40:004	LOGS_SUCCESS	[{"message": "Log executedAnonymous 8/25/2023, 19:55:41"}]

19:55:40:004 | 19:55:41:000 | ☐ 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	Row	Size
Ashlee Good	Unknown	resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage	20/05/2023, 19:49:19	Success	1,4 KB	2,4 KB
Ashlee Good	Unknown	resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage	20/05/2023, 19:50:18	Success	11,86 KB	11,86 KB
Ashlee Good	Unknown	resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage	20/05/2023, 19:50:02	Success	1,38 KB	1,38 KB
Ashlee Good	Unknown	resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage	20/05/2023, 19:25:56	Success	2,44 KB	2,44 KB
Ashlee Good	Unknown	resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage	20/05/2023, 19:21:56	Success	1,25 KB	1,25 KB
Ashlee Good	Unknown	resourceful-hawk-09800-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage	20/05/2023, 19:20:42	Success	2,25 KB	2,25 KB

☐ Filter | Click here to filter the log list

Object Limits	Last Modified By	LastModifiedById	Lookup(User)
Record Types	Owner	OwnerId	Lookup(User,Group) ✓
Related Lookup Filters	Status	Status__c	Picklist
Search Layouts			
List View Button Layout			
Restriction Rules			



resourceful-hawk-19850-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Main...

File | Edit | Debug | Test | Workspaces | Help | < >

Log execution history

Enter Apex Code

```

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

```

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

User	Application	Operation	Time	Status	Result	Size
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:50:36	Success		3.98 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:50:50	Success		2.44 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:50:46	Success		2.14 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:51:02	Success		2.49 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:44:27	Success		2.48 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:42:55	Success		2.21 KB

[Click here to filter the log list](#)

resourceful-hawk-19850-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage - Main...

File | Edit | Debug | Test | Workspaces | Help | < >

Log execution history

Log execution history 03/03/2023, 19:52:49 | Log execution history 03/03/2023, 19:53:02 | **Log execution history 03/03/2023, 20:00:08**

Execution Log

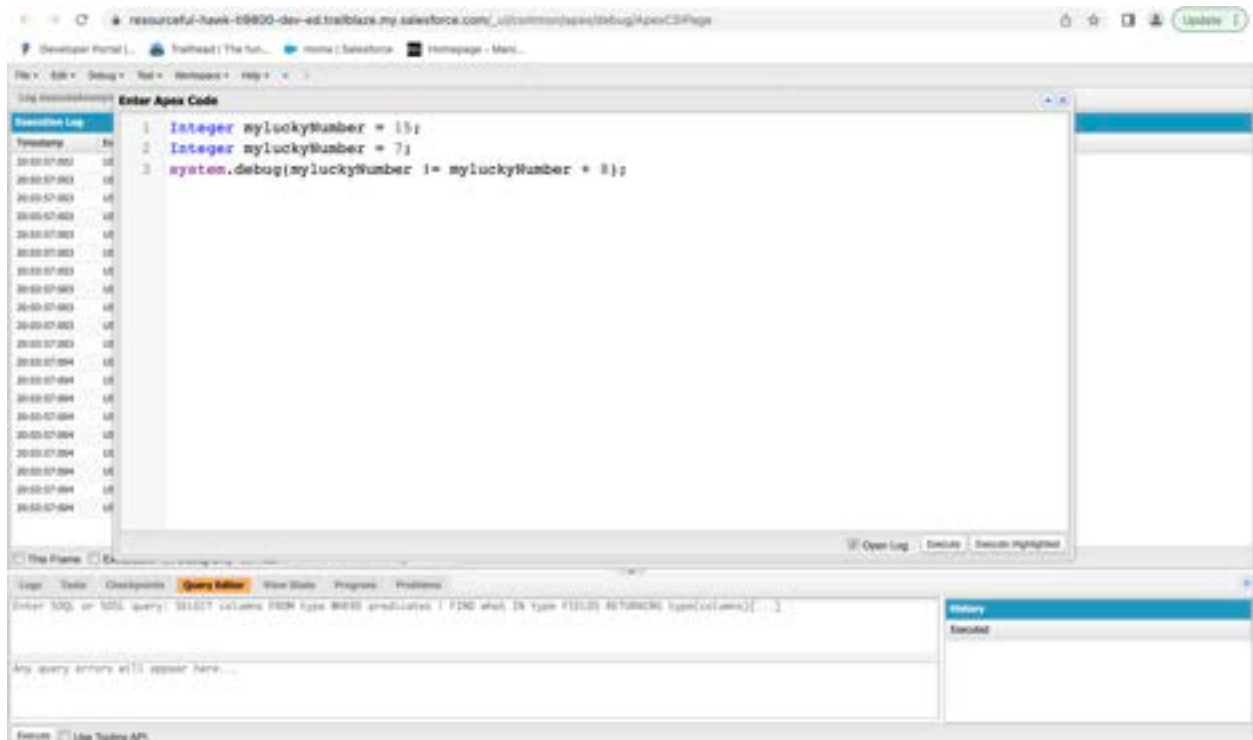
Timestamp	Event	Details
20:00:36.983	USER_DEBUG	[0]([0], 1, 2, 3, 4, 5)
20:00:36.983	USER_DEBUG	[1]([0], 1, 2, 3, 4, 5)
20:00:36.983	USER_DEBUG	[2]([0], 1, 2, 3, 4, 5)
20:00:36.983	USER_DEBUG	[3]([0], 1, 2, 3, 4, 5)
20:00:36.983	USER_DEBUG	[4]([0], 1, 2, 3, 4, 5)

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

User	Application	Operation	Time	Status	Result	Size
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 20:00:36	Success		3.98 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:55:51	Success		2.44 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:50:46	Success		2.14 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:51:02	Success		2.49 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:44:27	Success		2.48 KB
Ashley Gould	Unknown	System.debug/V1/ShowingResult	25/03/2023, 19:42:55	Success		2.21 KB

[Click here to filter the log list](#)

Exercise 4:



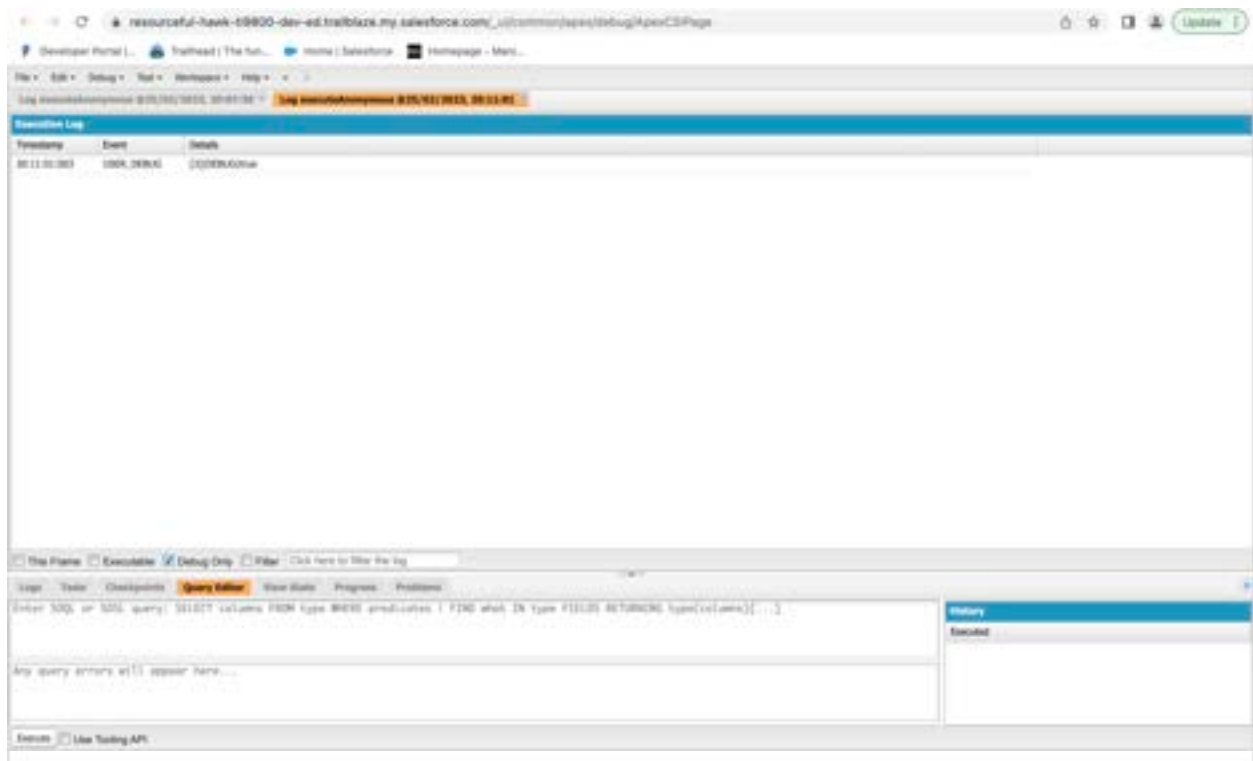
The screenshot shows the Salesforce Developer Console interface. The top pane displays the following Apex code:

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

The bottom pane shows the 'Debug Log' tab with a table of log entries. The table has columns for 'Timestamp' and 'Event'. The log entries show a sequence of events from 20:00:07:002 to 20:00:07:004.

Timestamp	Event
20:00:07:002	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:003	UI
20:00:07:004	UI
20:00:07:004	UI
20:00:07:004	UI
20:00:07:004	UI
20:00:07:004	UI
20:00:07:004	UI
20:00:07:004	UI
20:00:07:004	UI

Exercise 5:



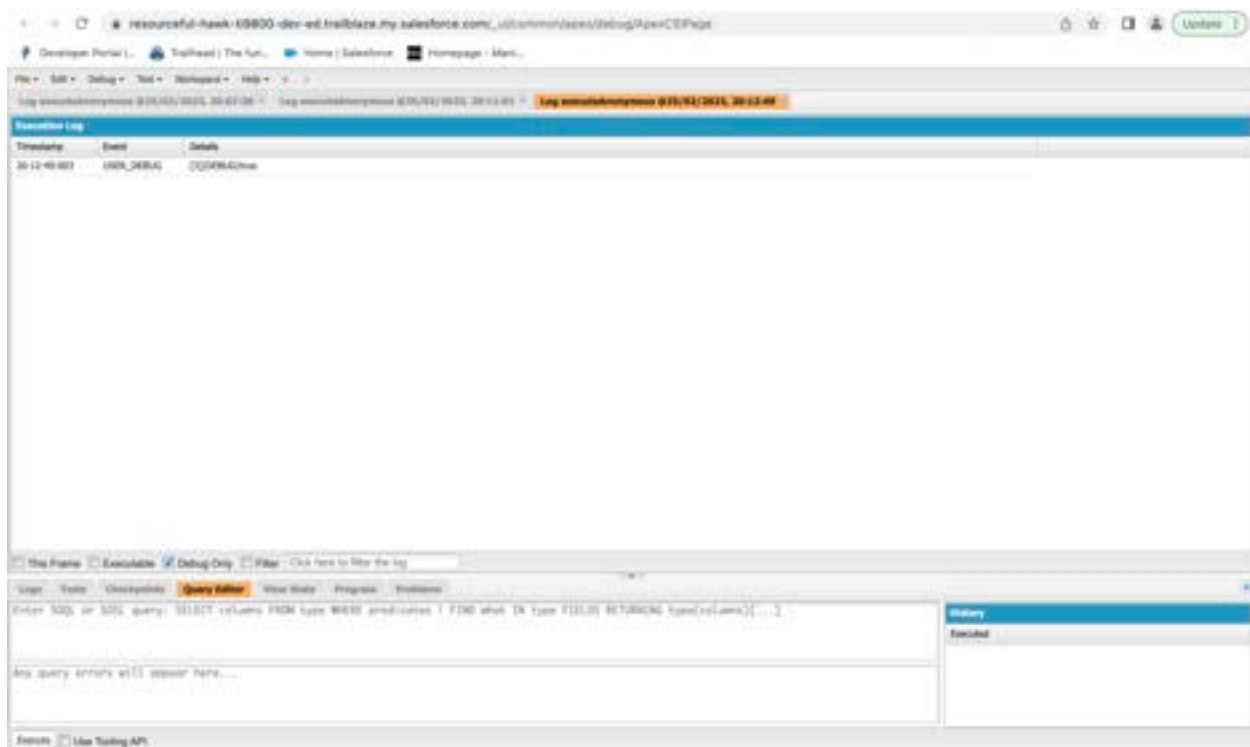
The screenshot shows the Salesforce Developer Console interface. The top pane displays the following Apex code:

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

The bottom pane shows the 'Debug Log' tab with a table of log entries. The table has columns for 'Timestamp', 'Event', and 'Details'. The log entries show a single event from 20:00:07:002 to 20:00:07:004.

Timestamp	Event	Details
20:00:07:002	UI	UI

Exercise 6:



Exercise 7

The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes links for Developer Portal, Trailhead, Home, Salesforce, and Homepage. The main editor area is titled "Enter Apex Code" and contains the following code:

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

Below the code editor, there is a "Log" tab showing a single log entry with the message "today != tomorrow". The bottom of the console shows the "Query Editor" tab with a query: "SELECT * FROM User WHERE ...".

The screenshot shows the Salesforce Developer Console interface. The top navigation bar is the same as the previous screenshot. The main editor area is titled "Enter Apex Code" and contains the following code:

```
1 public class billingloop {
2     public static void viewBills(){
3         List<Billing__c> listofBills = [SELECT Id, Name, Status__c FROM Billing__c];
4         List<String> billRecords = new List<String>();
5         for(Billing__c bill: listofBills){
6             system.debug('viewBills');
7             if(bill.Status__c == 'Paid'){
8                 billRecords.add(bill.Name);
9             }
10        }
11        System.debug('Bills: ' + billRecords);
12    }
13 }
```

Below the code editor, there is a "Log" tab showing a single log entry with the message "viewBills". The bottom of the console shows the "Query Editor" tab with a query: "SELECT * FROM User WHERE ...".

resourceful-hawk-19800-dev-ed.trilblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage | Menu...

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

Enter Apex Code

```

1 Integer Score= 67;
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 }

```

Open Log | Details | Search Highlighted

Log	Trace	Checkpoints	Query Editor	Visual Studio	Progress	Problems
User	Application	Operation	Time	Status	Result	Size
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:41:19	Success		2.4 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:39:19	Success		11.86 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:35:02	Success		3.98 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:25:39	Success		2.44 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:21:59	Success		2.03 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:20:42	Success		3.05 KB

Filter | Click here to filter the log list

resourceful-hawk-19800-dev-ed.trilblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSPage

Developer Portal | Trailhead | The Fun... | Home | Salesforce | Homepage | Menu...

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

Log execution progress 25/02/2023, 19:41:47

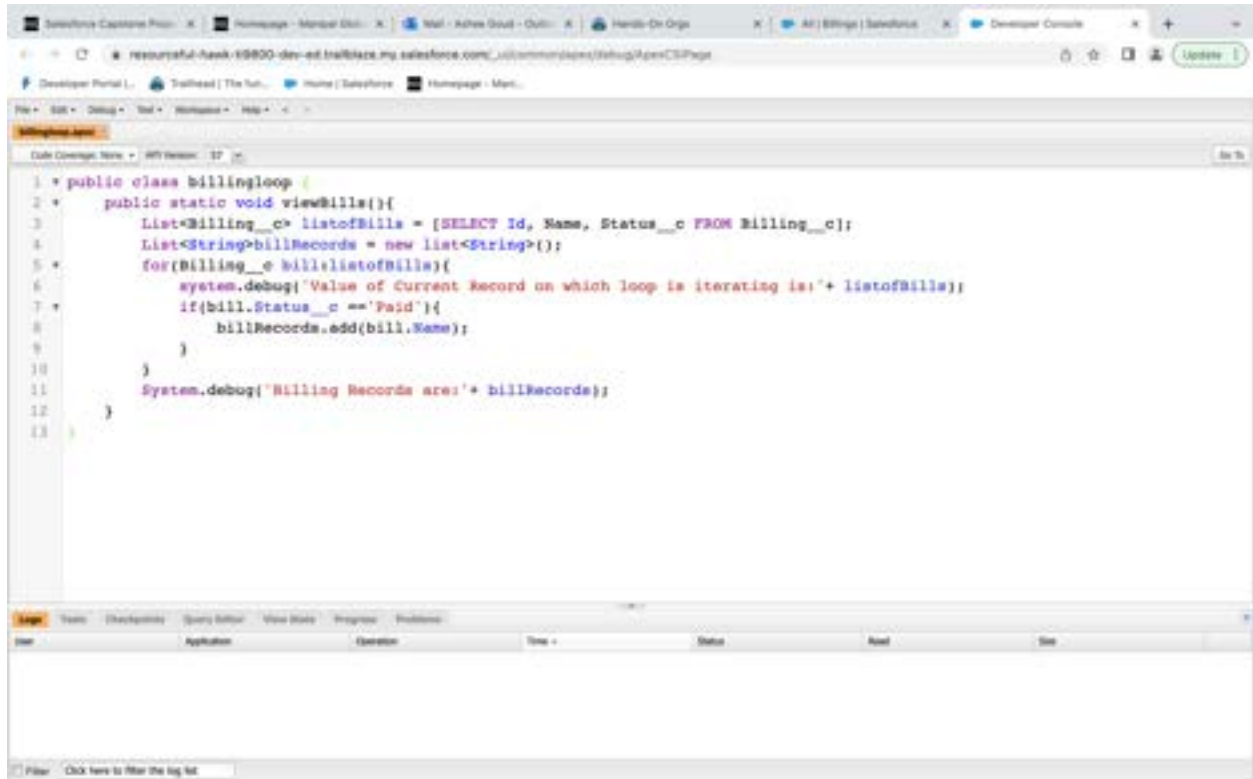
Execution Log

Timestamp	Event	Details
19:41:42.892	LOG_DEBUG	System.debug('Grade: A')

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

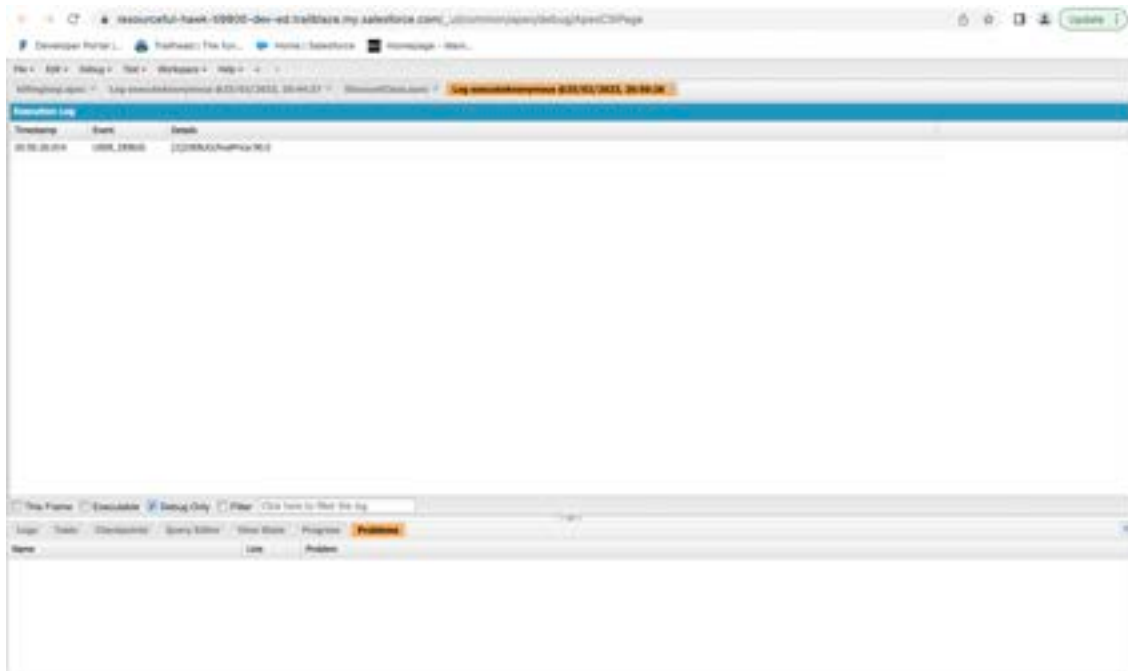
Log	Trace	Checkpoints	Query Editor	Visual Studio	Progress	Problems
User	Application	Operation	Time	Status	Result	Size
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:41:19	Success		2.4 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:39:19	Success		11.86 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:35:02	Success		3.98 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:25:39	Success		2.44 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:21:59	Success		2.03 KB
Ashley Gould	Unknown	System.debug('Grade: A')	25/02/2023, 19:20:42	Success		3.05 KB

Filter | Click here to filter the log list

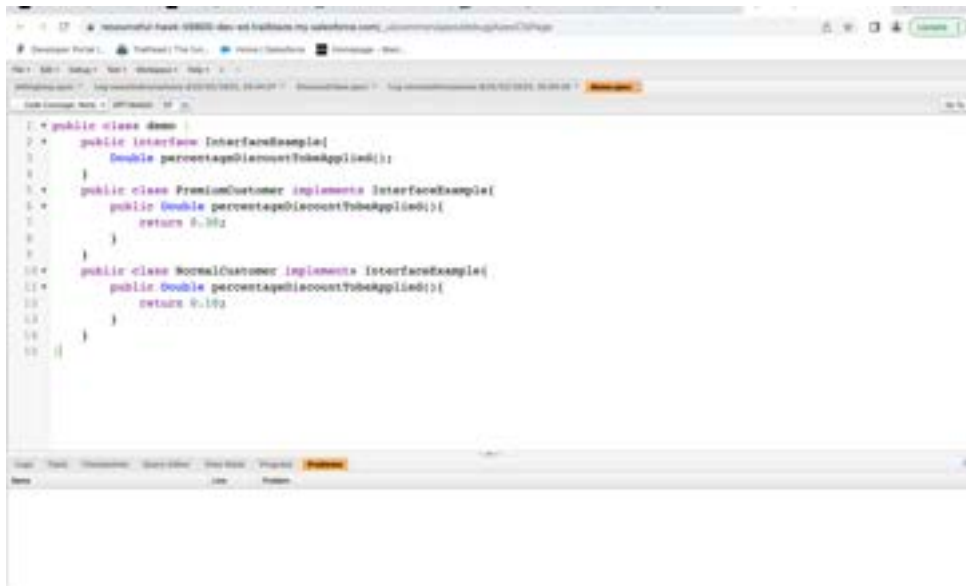


Exercise 8:





Exercise 9

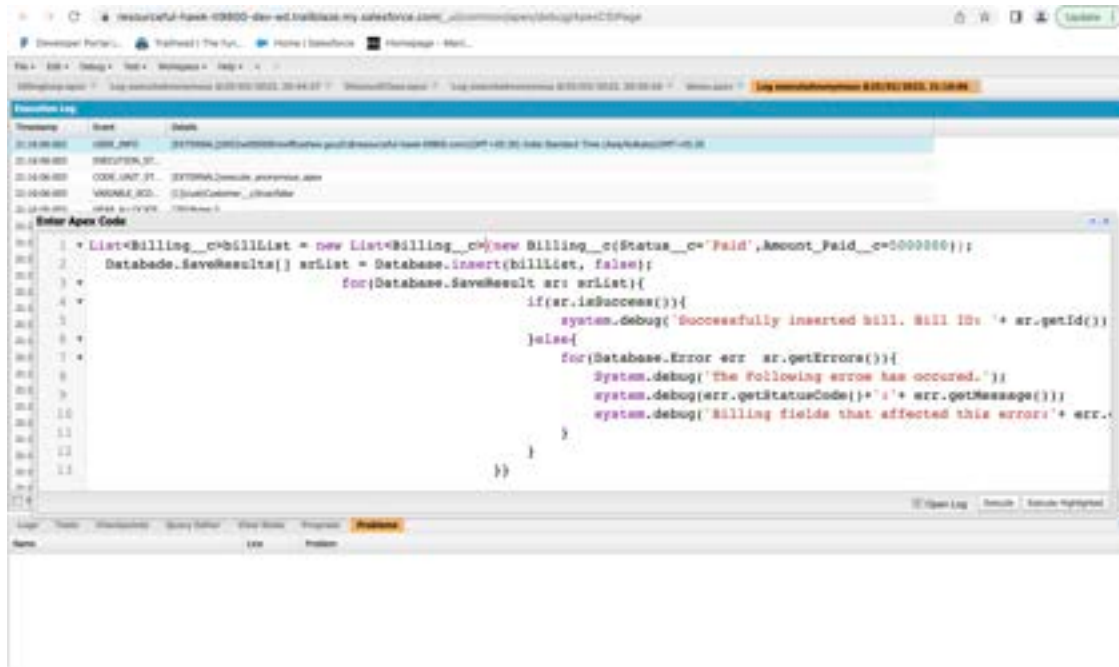


```
1 public class demo {
2     public interface InterfaceExample {
3         Double percentageDiscountToBeApplied();
4     }
5     public class PremiumCustomer implements InterfaceExample {
6         public Double percentageDiscountToBeApplied() {
7             return 0.30;
8         }
9     }
10    public class NormalCustomer implements InterfaceExample {
11        public Double percentageDiscountToBeApplied() {
12            return 0.10;
13        }
14    }
15 }
```



```
1 public class demo {
2     public interface InterfaceExample {
3         Double percentageDiscountToBeApplied();
4     }
5     public class PremiumCustomer implements InterfaceExample {
6         public Enter Apex Code
7         {
8             Customer__c cust = new Customer__c(SName='wipro', Customer_Type__c='Premium');
9             insert cust;
10        }
11    }
12    public class
13    public
14    {
15    }
16 }
```


Exercise 10:



The screenshot shows the Salesforce Developer Console with an Apex code editor. The code is as follows:

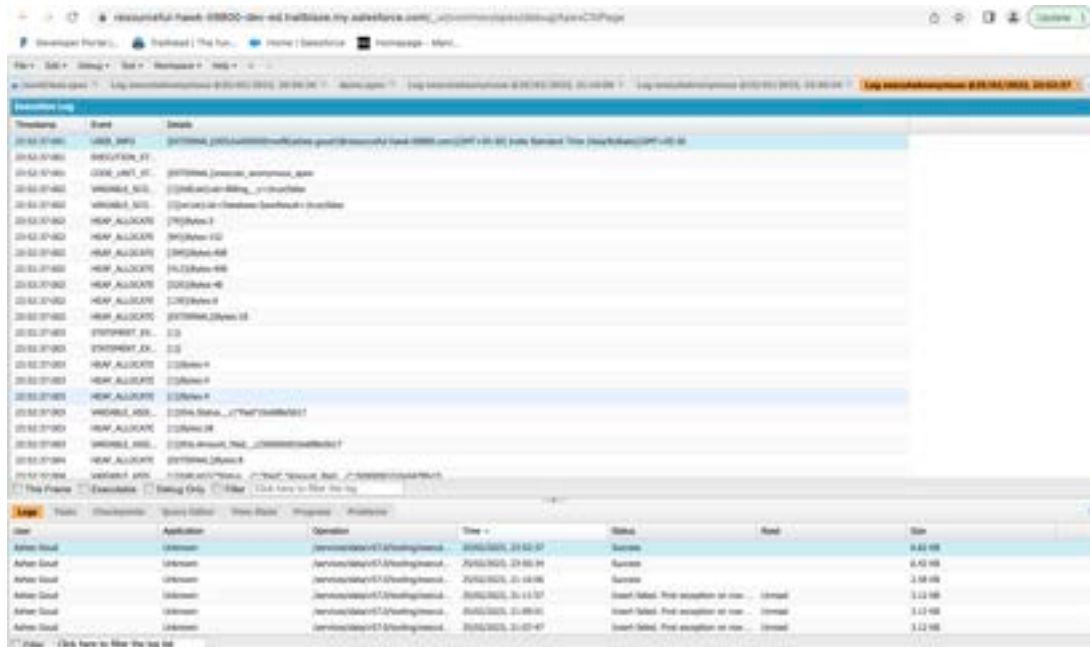
```

1 List<Billing_c> billList = new List<Billing_c>{new Billing_c(Status_c='Paid',Amount_Paid_c=2000000)};
2 Database.SaveResults[] srList = Database.insert(billList, false);
3 for(Database.SaveResult sr: srList){
4     if(sr.isSuccess()){
5         system.debug('Successfully inserted bill. Bill ID: ' + sr.getId());
6     }else{
7         for(Database.Error err: sr.getErrors()){
8             system.debug('The following error has occurred.');
9             system.debug(err.getStatusCode()+' '+ err.getMessage());
10            system.debug('Billing fields that affected this error: ' + err.
11        }
12    }
13 }
14 }

```

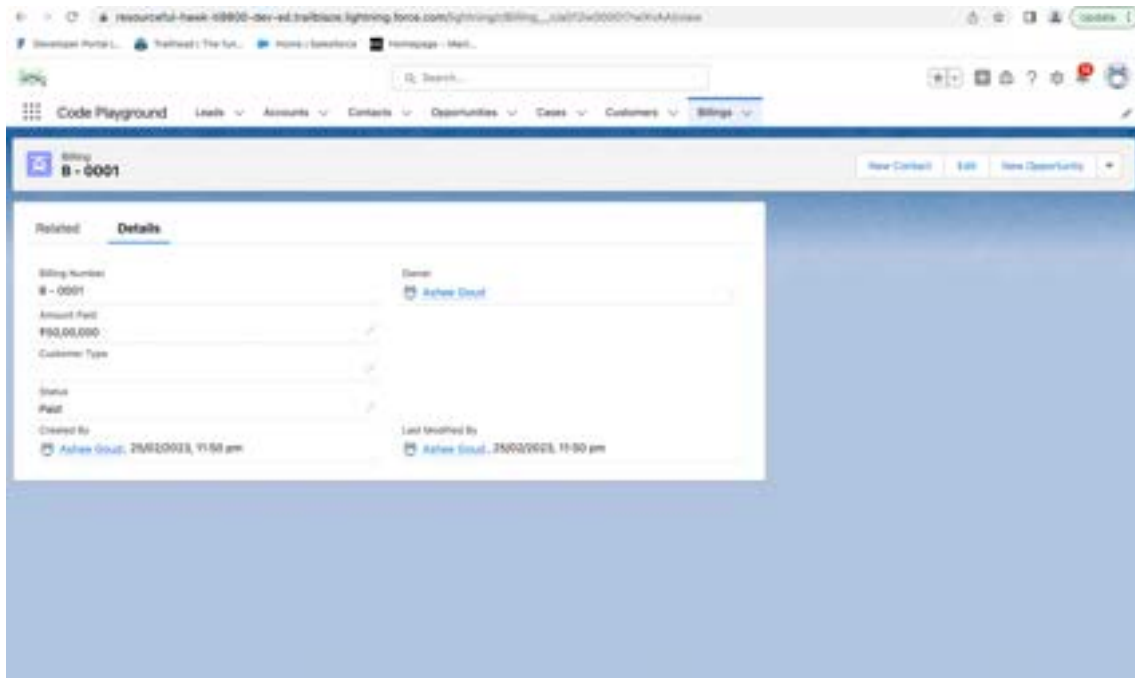
The console also shows a list of recent log messages:

Timestamp	Event	Details
2019-09-05 10:00:00	USER_LOGIN	20190905 10:00:00 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:01	DEBUG_START	20190905 10:00:01 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:02	CODE_UNIT_START	20190905 10:00:02 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:03	VARIABLE_SET	20190905 10:00:03 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:04	DEBUG_END	20190905 10:00:04 Salesforce user logged in successfully from IP: 192.168.1.100

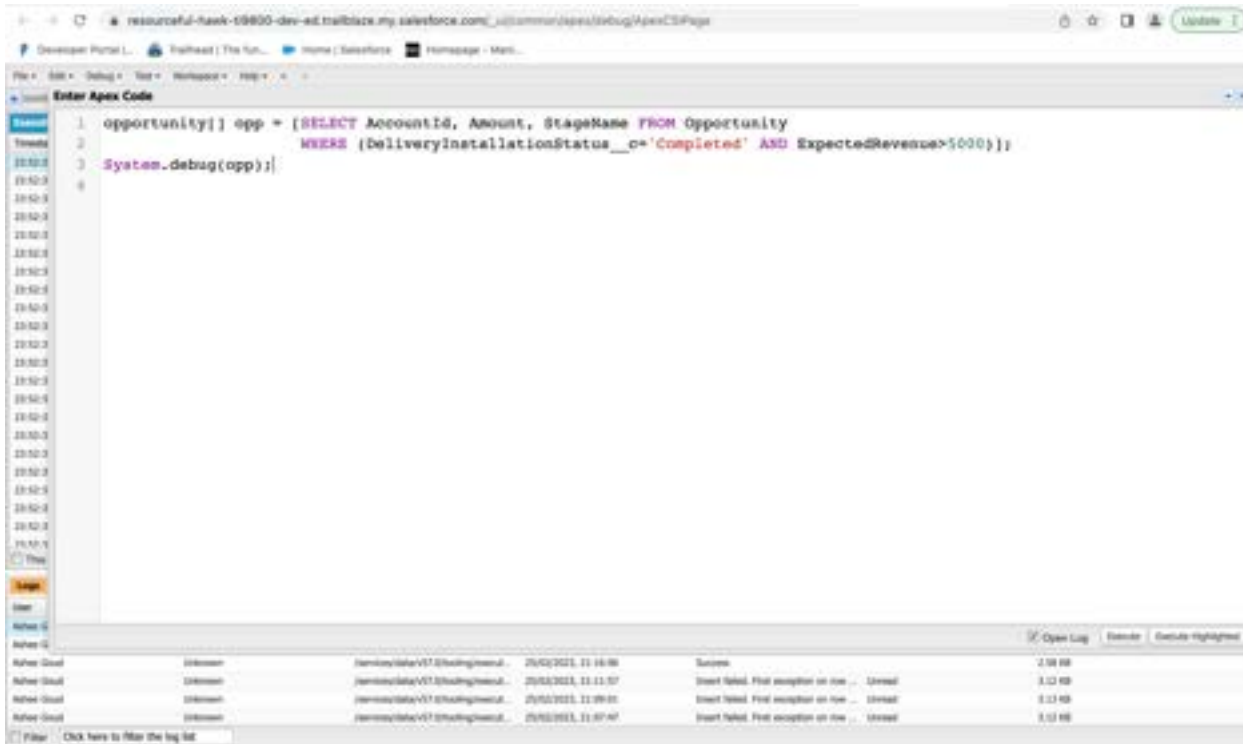


The screenshot shows the Salesforce Developer Console with a list of log messages. The log messages are as follows:

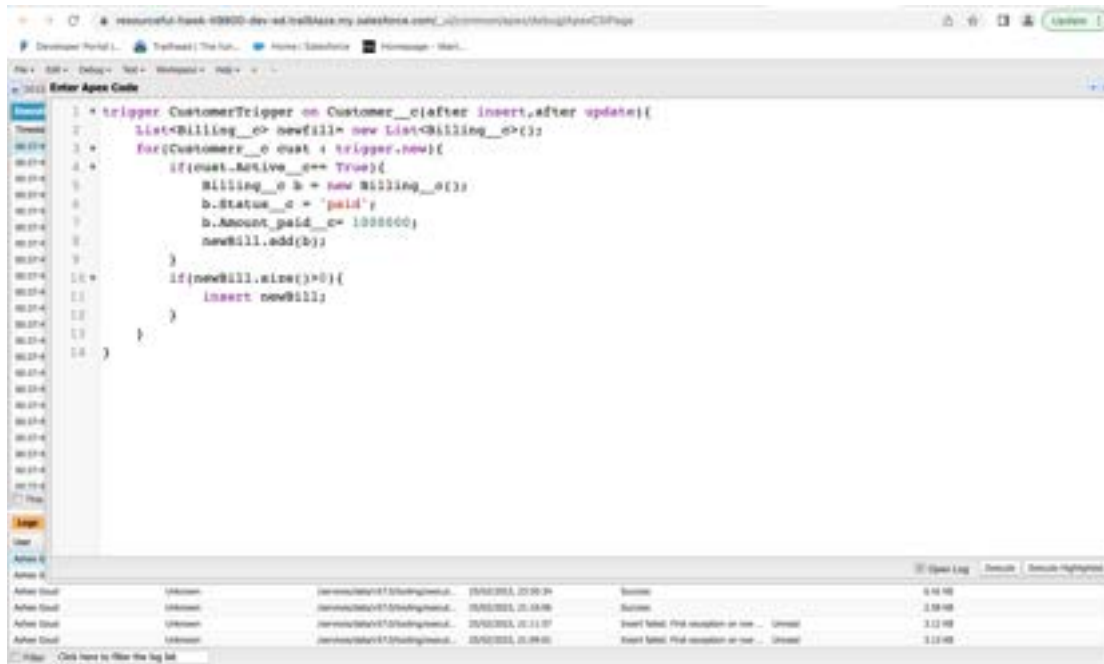
Timestamp	Event	Details
2019-09-05 10:00:00	USER_LOGIN	20190905 10:00:00 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:01	DEBUG_START	20190905 10:00:01 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:02	CODE_UNIT_START	20190905 10:00:02 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:03	VARIABLE_SET	20190905 10:00:03 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:04	DEBUG_END	20190905 10:00:04 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:05	HTTP_REQUEST	20190905 10:00:05 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:06	HTTP_RESPONSE	20190905 10:00:06 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:07	HTTP_REQUEST	20190905 10:00:07 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:08	HTTP_RESPONSE	20190905 10:00:08 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:09	HTTP_REQUEST	20190905 10:00:09 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:10	HTTP_RESPONSE	20190905 10:00:10 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:11	HTTP_REQUEST	20190905 10:00:11 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:12	HTTP_RESPONSE	20190905 10:00:12 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:13	HTTP_REQUEST	20190905 10:00:13 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:14	HTTP_RESPONSE	20190905 10:00:14 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:15	HTTP_REQUEST	20190905 10:00:15 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:16	HTTP_RESPONSE	20190905 10:00:16 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:17	HTTP_REQUEST	20190905 10:00:17 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:18	HTTP_RESPONSE	20190905 10:00:18 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:19	HTTP_REQUEST	20190905 10:00:19 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:20	HTTP_RESPONSE	20190905 10:00:20 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:21	HTTP_REQUEST	20190905 10:00:21 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:22	HTTP_RESPONSE	20190905 10:00:22 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:23	HTTP_REQUEST	20190905 10:00:23 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:24	HTTP_RESPONSE	20190905 10:00:24 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:25	HTTP_REQUEST	20190905 10:00:25 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:26	HTTP_RESPONSE	20190905 10:00:26 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:27	HTTP_REQUEST	20190905 10:00:27 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:28	HTTP_RESPONSE	20190905 10:00:28 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:29	HTTP_REQUEST	20190905 10:00:29 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:30	HTTP_RESPONSE	20190905 10:00:30 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:31	HTTP_REQUEST	20190905 10:00:31 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:32	HTTP_RESPONSE	20190905 10:00:32 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:33	HTTP_REQUEST	20190905 10:00:33 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:34	HTTP_RESPONSE	20190905 10:00:34 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:35	HTTP_REQUEST	20190905 10:00:35 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:36	HTTP_RESPONSE	20190905 10:00:36 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:37	HTTP_REQUEST	20190905 10:00:37 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:38	HTTP_RESPONSE	20190905 10:00:38 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:39	HTTP_REQUEST	20190905 10:00:39 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:40	HTTP_RESPONSE	20190905 10:00:40 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:41	HTTP_REQUEST	20190905 10:00:41 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:42	HTTP_RESPONSE	20190905 10:00:42 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:43	HTTP_REQUEST	20190905 10:00:43 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:44	HTTP_RESPONSE	20190905 10:00:44 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:45	HTTP_REQUEST	20190905 10:00:45 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:46	HTTP_RESPONSE	20190905 10:00:46 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:47	HTTP_REQUEST	20190905 10:00:47 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:48	HTTP_RESPONSE	20190905 10:00:48 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:49	HTTP_REQUEST	20190905 10:00:49 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:50	HTTP_RESPONSE	20190905 10:00:50 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:51	HTTP_REQUEST	20190905 10:00:51 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:52	HTTP_RESPONSE	20190905 10:00:52 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:53	HTTP_REQUEST	20190905 10:00:53 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:54	HTTP_RESPONSE	20190905 10:00:54 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:55	HTTP_REQUEST	20190905 10:00:55 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:56	HTTP_RESPONSE	20190905 10:00:56 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:57	HTTP_REQUEST	20190905 10:00:57 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:58	HTTP_RESPONSE	20190905 10:00:58 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:00:59	HTTP_REQUEST	20190905 10:00:59 Salesforce user logged in successfully from IP: 192.168.1.100
2019-09-05 10:01:00	HTTP_RESPONSE	20190905 10:01:00 Salesforce user logged in successfully from IP: 192.168.1.100



Exercise 11:



Exercise 12:



The screenshot shows a Visual Studio Code editor with a C# script named `CustomerTrigger.cs`. The script is a trigger that runs on the `Customer_c` table after insert and update operations. It creates a new `Billing_o` record for each customer, setting the `Status_c` to 'paid' and the `Amount_paid_c` to 1000000. The script also inserts the new `Billing_o` record into the `Billing_o` table.

```

1 * trigger CustomerTrigger on Customer_c (after insert, after update) {
2     list<Billing_o> newBill = new List<Billing_o>();
3     for (Customer_o cust : trigger.new) {
4         if (cust.Active_c == True) {
5             Billing_o b = new Billing_o();
6             b.Status_c = 'paid';
7             b.Amount_paid_c = 1000000;
8             newBill.add(b);
9         }
10    }
11    if (newBill.size() > 0) {
12        insert newBill;
13    }
14 }

```

Below the editor, the `Log` window is open, showing a table of log entries. The table has columns for `Message`, `Time`, `Source`, `Severity`, `Message`, and `Details`. The log entries show the trigger firing successfully for multiple customers.

Message	Time	Source	Severity	Message	Details
CustomerTrigger: Trigger fired for Customer_c	15/02/2021, 15:00:29	System	Info		
CustomerTrigger: Trigger fired for Customer_c	15/02/2021, 15:00:30	System	Info		
CustomerTrigger: Trigger fired for Customer_c	15/02/2021, 15:00:31	System	Info		
CustomerTrigger: Trigger fired for Customer_c	15/02/2021, 15:00:32	System	Info		

Exercise 13:



The screenshot shows a Visual Studio Code editor with a C# script named `CustomerTrigger.cs`. The script is a trigger that runs on the `Customer_c` table after insert and update operations. It creates a new `Billing_o` record for each customer, setting the `Status_c` to 'paid' and the `Amount_paid_c` to 1000000. The script also inserts the new `Billing_o` record into the `Billing_o` table.

```

1 * trigger CustomerTrigger on Customer_c (after insert, after update) {
2     list<Billing_o> BillingList = new List<Billing_o>();
3
4     for (Customer_o objCustomer : trigger.new)
5     {
6
7         if (objCustomer.Active_c == False)
8         {
9             Billing_o objBill = new Billing_o();
10            objBill.Status_c = 'paid';
11            objBill.Amount_paid_c = 1000000;
12            BillingList.add(objBill);
13        }
14    }
15    insert BillingList;
16 }

```

Below the editor, the `Log` window is open, showing a table of log entries. The table has columns for `Message`, `Time`, `Source`

Exercise 14:

The screenshot shows the Salesforce IDE with the following Apex code in the `DisqualifyTestLeads.apex` file:

```

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 }

```

The test results table shows the following data:

Status	Test Run	Prepared Time	Duration	Volume	Total
✓	Test DisqualifyTestLeads	Sat Feb 26 2021 01:31:41 GMT...		0	1
✓	Test DisqualifyTestLeads	Sat Feb 26 2021 01:35:04 GMT...		0	1

The **Overall Code Coverage** table shows the following data:

Class	Percent	Lines
Overall	0%	0/1
DisqualifyTestLeads	0%	0/1
CustomerTrigger	0%	0/1
Items	0%	0/1
PersonClass	0%	0/1
DisqualifyTestLeads	0%	0/1

Exercise 15:

The screenshot shows the Salesforce IDE with the following Apex code in the `DisqualifyTestLeads.apex` file:

```

1 * test
2 * public class DisqualifyTestLeads {
3     * test static void s()
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 }

```

The test results table shows the following data:

Status	Test Run	Prepared Time	Duration	Volume	Total
✓	Test DisqualifyTestLeads	Sat Feb 26 2021 01:32:42 GMT...		0	1
✓	Test DisqualifyTestLeads	Sat Feb 26 2021 01:35:04 GMT...		0	1
✓	Test DisqualifyTestLeads	Sat Feb 26 2021 01:38:11 GMT...		0	1

The **Overall Code Coverage** table shows the following data:

Class	Percent	Lines
Overall	22%	0/1
DisqualifyTestLeads	0%	0/1
CustomerTrigger	0%	0/1
Items	0%	0/1
PersonClass	0%	0/1
DisqualifyTestLeads	100%	0/1

Exercise 16:



Exercise 17:

The screenshot shows the Salesforce Developer Console with the Apex code for `AccountList.cmp`. The code uses `<apex:page>` with `standardController="Account"` and `recordSetVar="Accounts"`. It includes an `<apex:pageBlock>` containing an `<apex:repeat>` loop that iterates over `{!Accounts}`. Inside the loop, there is an `<apex:outputLink>` with `value="{!a.Id}"` and an `<apex:outputText>` with `value="{!a.Name}"`. The test results table at the bottom shows four successful test runs.

Status	Test Run	Elapsed Time	Assertion	Failures	Total	Overall Code Coverage
✓	✓ [1] TestAccountList	Sun Feb 26, 2023 11:31:42 GMT		0	1	Class
✓	✓ [2] TestAccountList	Sun Feb 26, 2023 11:31:48 GMT		0	1	Overall
✓	✓ [3] TestAccountList	Sun Feb 26, 2023 11:38:13 GMT		0	1	Integration
✓	✓ [4] TestAccountList	Sun Feb 26, 2023 11:42:51 GMT		0	1	Customer Pages
✓	✓ [5] TestAccountList	Sun Feb 26, 2023 11:44:12 GMT		0	1	Items
						Overall Code
						Overall Test Suite
						Overall Code Coverage
						Percent
						Lines

Exercise 18:

The screenshot shows the Salesforce Developer Console with the Apex code for `NewCaseList.cmp`. The code uses `<apex:page>` with `controller="NewCaseListController"`. It includes an `<apex:repeat>` loop that iterates over `{!NewCases}` with `var="case"`. Inside the loop, there is an `` containing an `<apex:outputLink>` with `value="{!case.Id}"` and `target="_new"`, followed by `{!case.CaseNumber}`. The test results table at the bottom shows four successful test runs.

Status	Test Run	Elapsed Time	Assertion	Failures	Total	Overall Code Coverage
✓	✓ [1] TestNewCaseList	Sun Feb 26, 2023 11:32:42 GMT		0	1	Class
✓	✓ [2] TestNewCaseList	Sun Feb 26, 2023 11:33:04 GMT		0	1	Overall
✓	✓ [3] TestNewCaseList	Sun Feb 26, 2023 11:38:13 GMT		0	1	Integration
✓	✓ [4] TestNewCaseList	Sun Feb 26, 2023 11:42:51 GMT		0	1	Customer Pages
✓	✓ [5] TestNewCaseList	Sun Feb 26, 2023 11:44:12 GMT		0	1	Items
✓	✓ [6] TestNewCaseList	Sun Feb 26, 2023 11:46:16 GMT		0	1	Overall Code
✓	✓ [7] TestNewCaseList	Sun Feb 26, 2023 11:46:16 GMT		0	1	Overall Test Suite
						Overall Code Coverage
						Percent
						Lines

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

Future Enhancements

1. Integration with social media platforms to allow customers to share their travel experiences and promote the business.
2. Integration with popular travel review websites to showcase positive customer feedback and improve online reputation.
3. Introduction of an artificial intelligence-powered chatbot to provide 24/7 customer support.
4. Implementation of a loyalty program to reward repeat customers and increase customer retention.
5. Integration with third-party booking engines to expand the range of options available to customers.

References

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