



Project Title -: ONLINE TRAINING MANAGEMENT

Name -: PRATYANK CHAUHAN

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Introduction

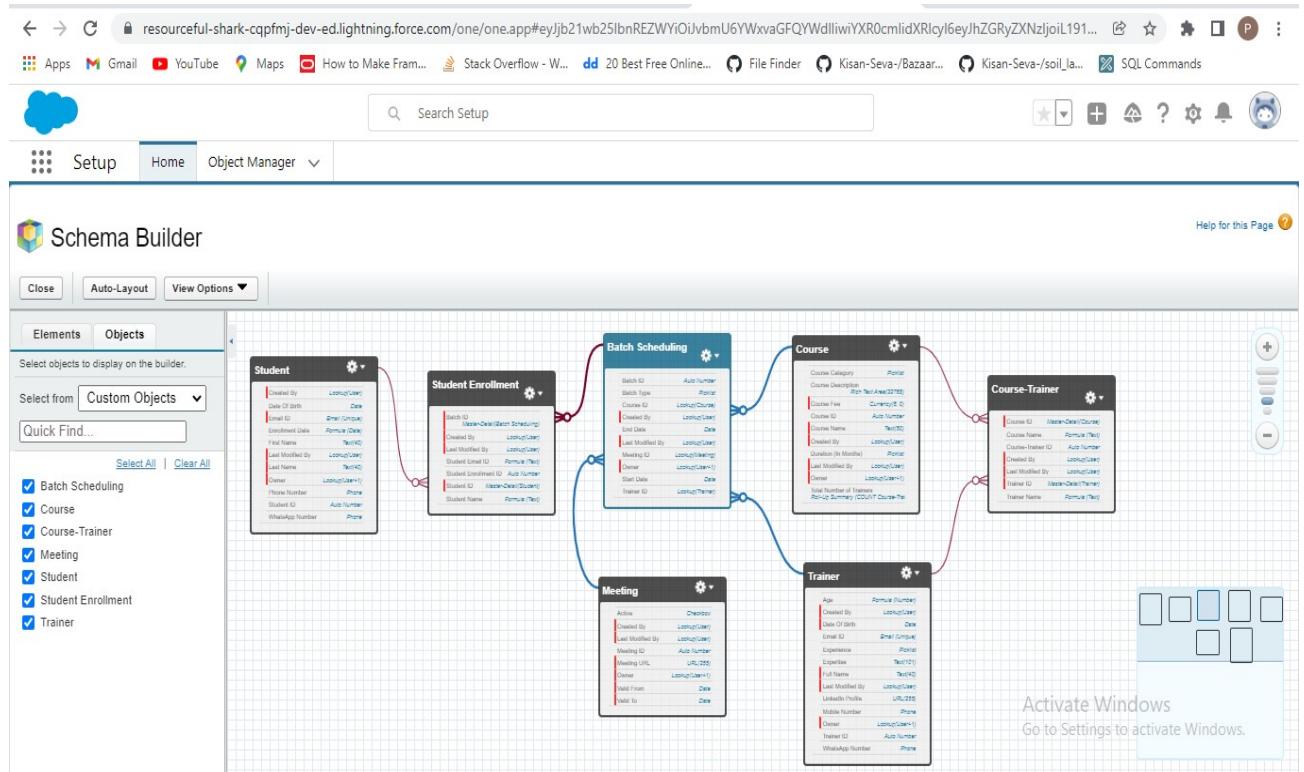
In this project we will be creating an Online Training Management application that will store all the details of the training from courses offered, trainers, students enrolled, Meeting/training information, and many other informations. In the project, we will be creating objects to store these records and will also create various fields to store the values of these records. We will establish relationships between various objects and create custom pages using visualforce and also about the triggers. This is great platform where students take online training from anywhere and in the pandemic it is very safe also.

Requirment

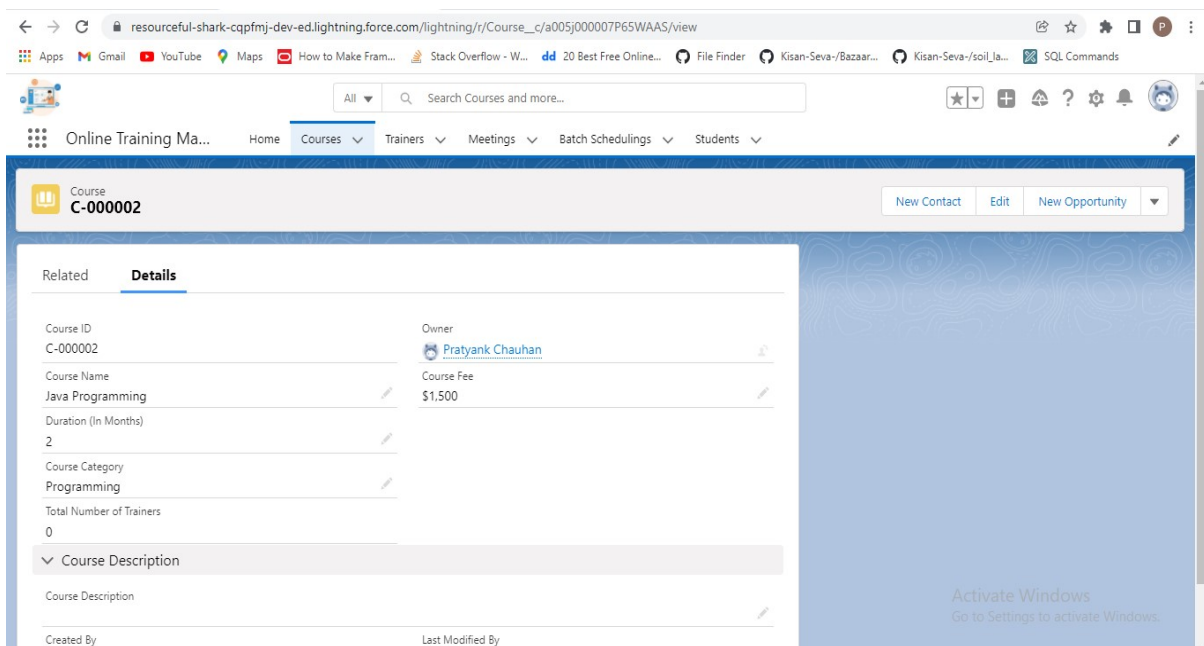
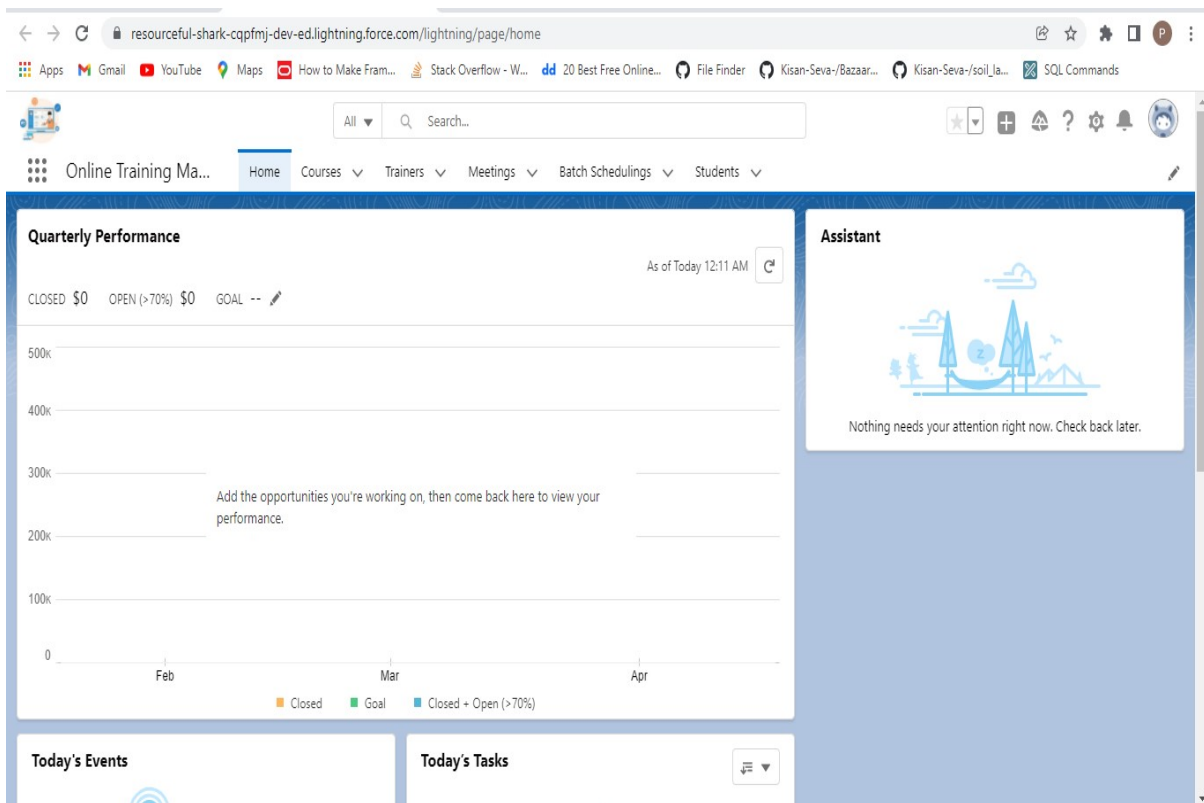
For creating application in salesforce we don't need to install any specific software or very large size files. We just only need proper internet connection, laptop and a browser.

Data Model

This is data model or in salesforce language Schema Builder of Online Training Management application.

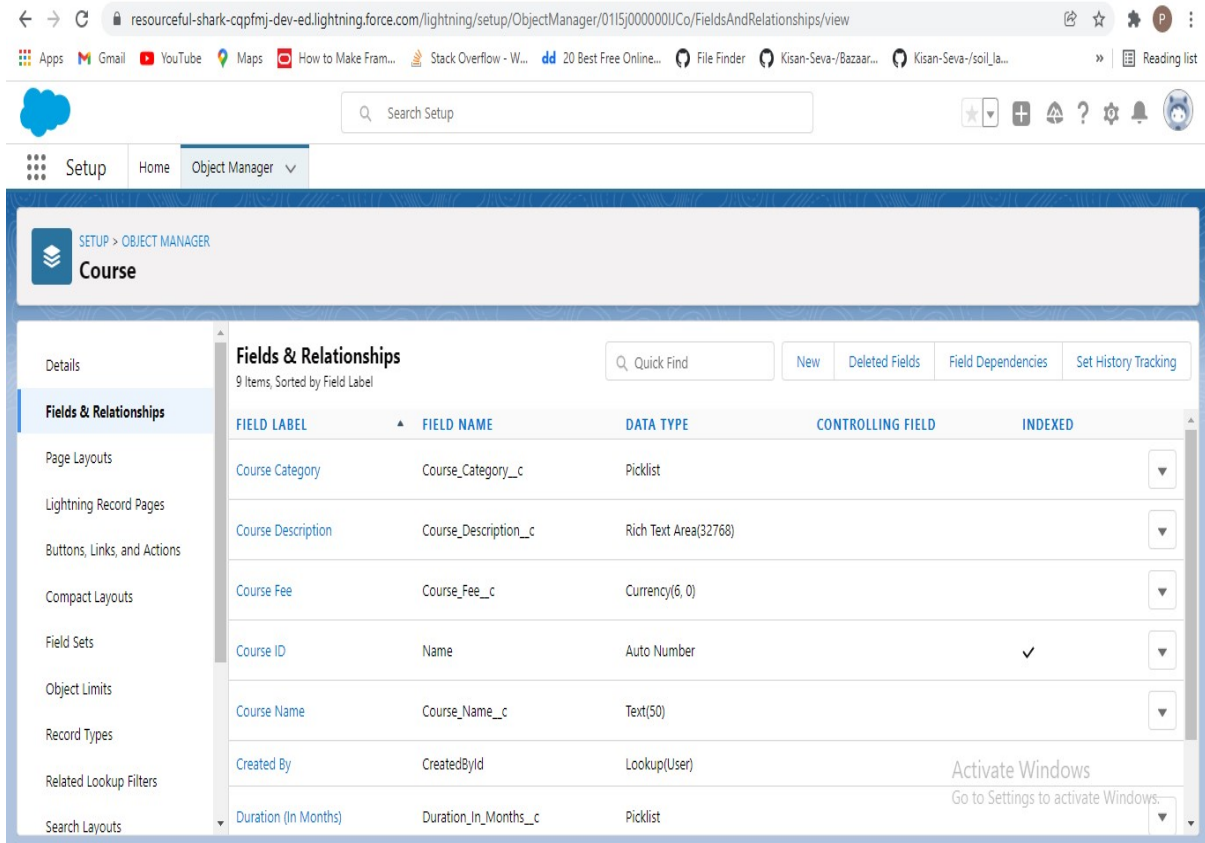


Application Home Screens



All Available Courses

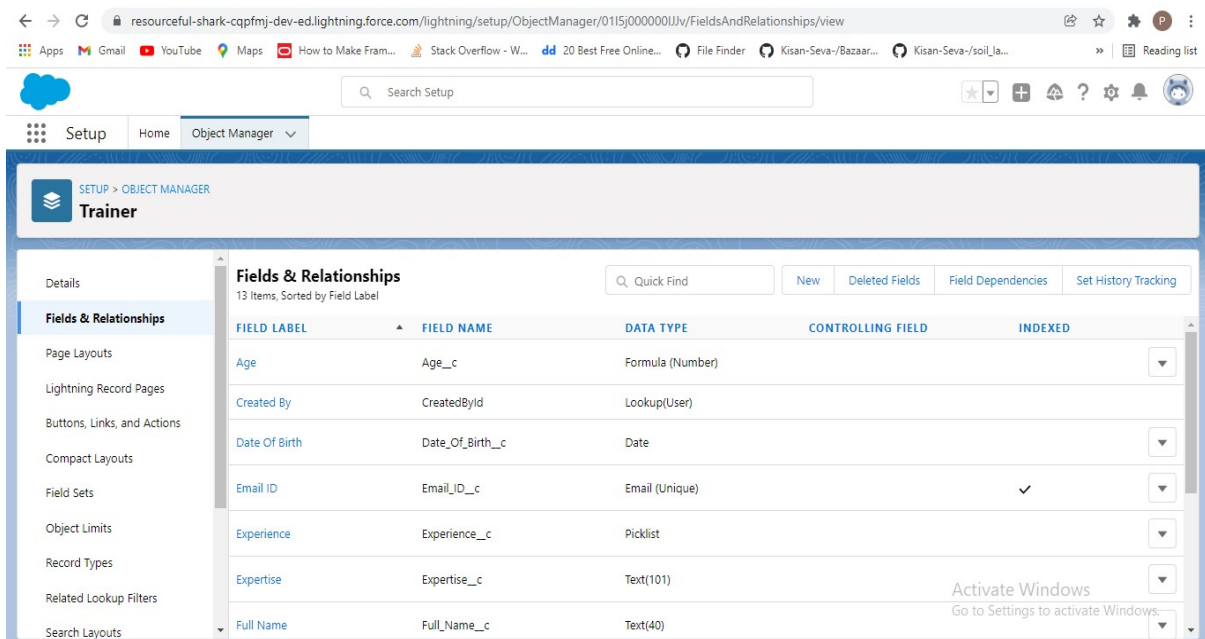
This is objects and courses where student or trainer perform certain actions.



The screenshot shows the Salesforce Setup interface for the 'Course' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Fields & Relationships' and shows 9 items sorted by Field Label. The table below lists the fields and their properties.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Course Category	Course_Category__c	Picklist		
Course Description	Course_Description__c	Rich Text Area(32768)		
Course Fee	Course_Fee__c	Currency(6, 0)		
Course ID	Name	Auto Number		✓
Course Name	Course_Name__c	Text(50)		
Created By	CreatedById	Lookup(User)		
Duration (In Months)	Duration_In_Months__c	Picklist		

At the bottom right of the table, there is a message: 'Activate Windows Go to Settings to activate Windows.'



The screenshot shows the Salesforce Setup interface for the 'Trainer' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Fields & Relationships' and shows 13 items sorted by Field Label. The table below lists the fields and their properties.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Age	Age__c	Formula (Number)		
Created By	CreatedById	Lookup(User)		
Date Of Birth	Date_Of_Birth__c	Date		
Email ID	Email_ID__c	Email (Unique)		✓
Experience	Experience__c	Picklist		
Expertise	Expertise__c	Text(101)		
Full Name	Full_Name__c	Text(40)		

At the bottom right of the table, there is a message: 'Activate Windows Go to Settings to activate Windows.'

resourceful-shark-cqpfmj-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000INqD/FieldsAndRelationships/view

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Meeting

Details

Fields & Relationships 8 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Active	Active__c	Checkbox		Controlling Field
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Meeting ID	Name	Auto Number		✓
Meeting URL	Meeting_URL__c	URL(255)		
Owner	OwnerId	Lookup(User,Group)		✓
Valid From	Valid_From__c	Date		

Activate Windows
Go to Settings to activate Windows.

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Batch Scheduling

Details

Fields & Relationships 7 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Batch ID	Name	Auto Number		✓
Batch Type	Batch_Type__c	Picklist		
Created By	CreatedById	Lookup(User)		
End Date	End_Date__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Start Date	Start_Date__c	Date		

Activate Windows
Go to Settings to activate Windows.

resourceful-shark-cqpfmj-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000IPaf/FieldsAndRelationships/view

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Student

Details

Fields & Relationships
11 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Date Of Birth	Date_Of_Birth__c	Date		
Email ID	Email_ID__c	Email (Unique)		✓
Enrollment Date	Enrollment_Date__c	Formula (Date)		
First Name	First_Name__c	Text(40)		
Last Modified By	LastModifiedById	Lookup(User)		
Last Name	Last_Name__c	Text(40)		

Activate Windows
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Custom Pages

VisualForce Page:-

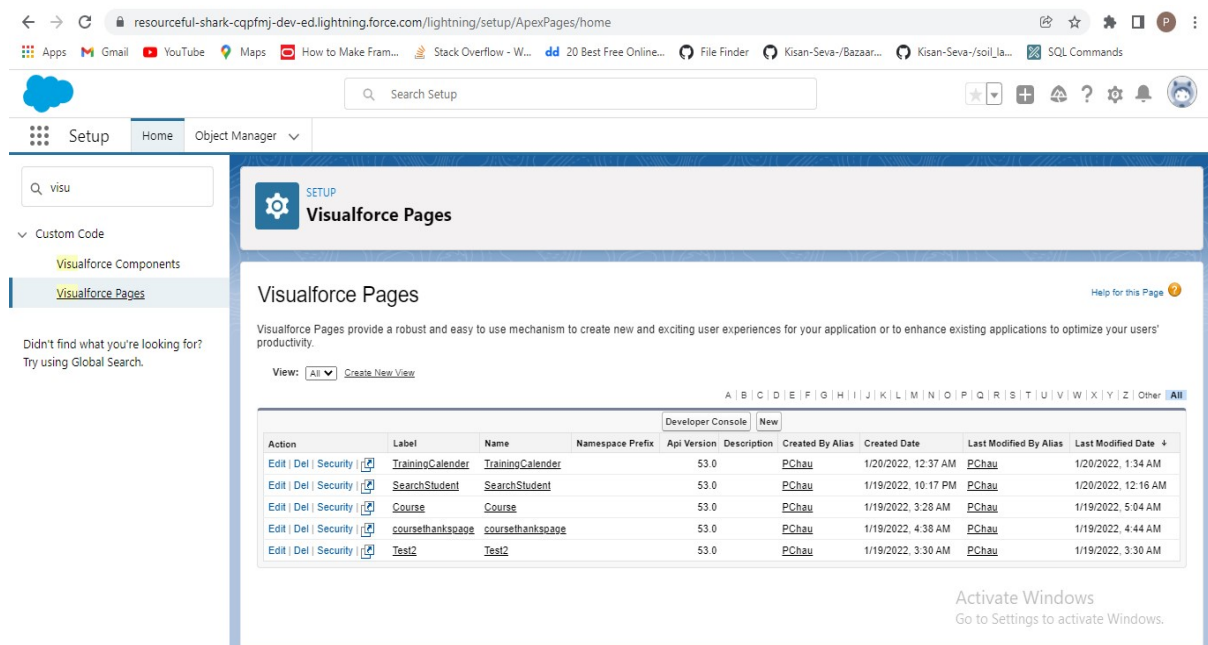
Visualforce Page is a web technology and also framework that is used for web development. So programmer used to build refined, custom user interfaces for mobile and desktop apps.

Apex :-

Apex is a proprietary language developed by Salesforce.com. It is a strongly typed, object-oriented programming language that allows developers to execute flow and transaction control statements on the Force.com platform server in conjunction with calls to the Force.com API.

Lightning Web Component:-

Lightning web components are custom HTML elements built using HTML and modern JavaScript. Lightning web components and Aura components can coexist and interoperate on a page. To create Lightning web components, use the code editor of your choice and the Salesforce CLI.



The screenshot displays the Salesforce Visualforce Pages setup interface. The left sidebar shows the navigation menu with 'Setup', 'Home', and 'Object Manager'. The main content area is titled 'Visualforce Pages' and includes a search bar and a 'Help for this Page' link. Below the title, there is a description of Visualforce Pages and a 'View' dropdown set to 'All'. A table lists the existing Visualforce Pages:

Action	Label	Name	Namespace Prefix	Api Version	Description	Created By Alias	Created Date	Last Modified By Alias	Last Modified Date
Edit Del Security New	TrainingCalender	TrainingCalender		53.0		PChau	1/20/2022, 12:37 AM	PChau	1/20/2022, 1:34 AM
Edit Del Security New	SearchStudent	SearchStudent		53.0		PChau	1/19/2022, 10:17 PM	PChau	1/20/2022, 12:16 AM
Edit Del Security New	Course	Course		53.0		PChau	1/19/2022, 3:28 AM	PChau	1/19/2022, 5:04 AM
Edit Del Security New	coursethankspage	coursethankspage		53.0		PChau	1/19/2022, 4:38 AM	PChau	1/19/2022, 4:44 AM
Edit Del Security New	Test2	Test2		53.0		PChau	1/19/2022, 3:30 AM	PChau	1/19/2022, 3:30 AM

At the bottom right, there is a 'Activate Windows' watermark with the text 'Go to Settings to activate Windows.'

resourceful-shark-cqpfmj-dev-ed.lightning.force.com/lightning/setup/CustomTabs/home

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Search Setup

Setup Home Object Manager

tabs

User Interface

Rename Tabs and Labels

tabs

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

SETUP Tabs

Action	Label	Tab Style	Description
Edit Del	Meetings	Mail	
Edit Del	Students	People	
Edit Del	Trainers	Presenter	

Web Tabs [New | What is This?](#)

No Web Tabs have been defined.

Visualforce Tabs

Action	Label	Tab Style	Description
Edit Del	New Course	Box	
Edit Del	Search Student	Flag	
Edit Del	Training Calendar	Ball	

Lightning Component Tabs

Action	Label	Tab Style	Description
Edit	Get Your Login Credentials	Flag	
Edit	Install a Package	Compass	
Edit Del	New Trainer	Gears	
Edit Del	Search Courses	Laptop	
Edit	Welcome	Chalkboard	

Activate Windows
Go to Settings to activate Windows.

resourceful-shark-cqpfmj-dev-ed.lightning.force.com/lightning/n/New_Course

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All Search...

Online Training Ma... Home **New Course** New Trainer Search Courses Search Student Training Calendar Reports Dashboards

New Course

Course Name

Course Fee

Course Category

Duration (In Months)

Course Description

Course Description

[https://resourceful-shark-cqpfmj-dev-ed.lightning.force.com/lightning/n/New_Co...](#)

Activate Windows
Go to Settings to activate Windows.

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Online Training Ma... Home New Course New Trainer Search Courses Search Student Training Calender Reports Dashboards

Form to Register New Trainer

Full Name
Enter Name Here...

Date of Birth

Email ID
Type your email Here

Phone Number

WhatsApp Number

Save Record

Activate Windows
Go to Settings to activate Windows.

resourceful-shark-cqpfmj-dev-ed.lightning.force.com/lightning/n/Search_Student

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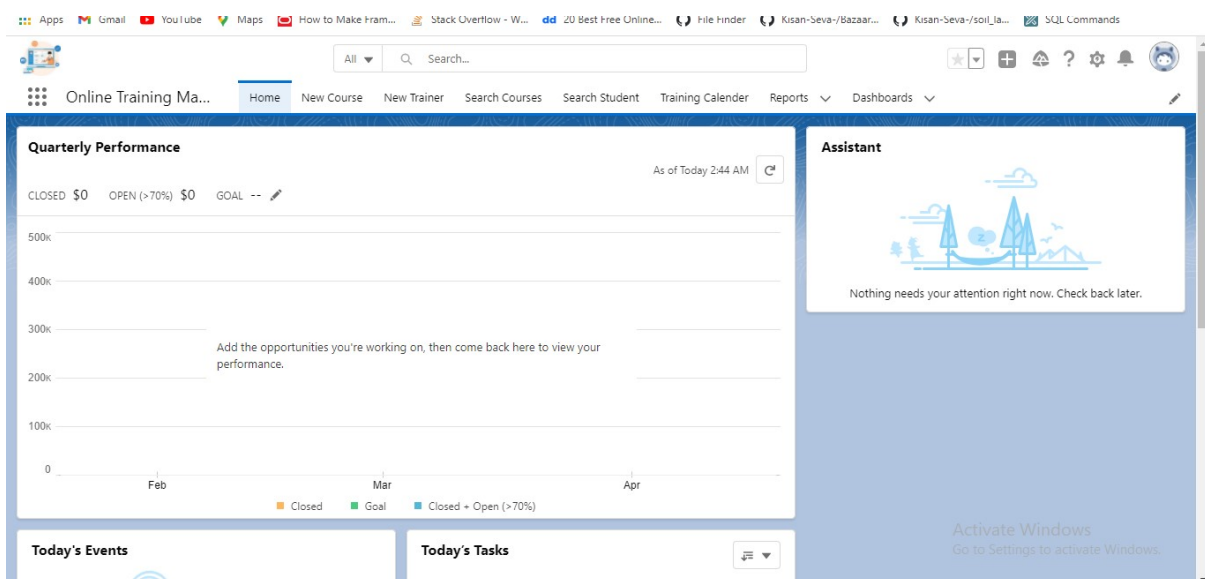
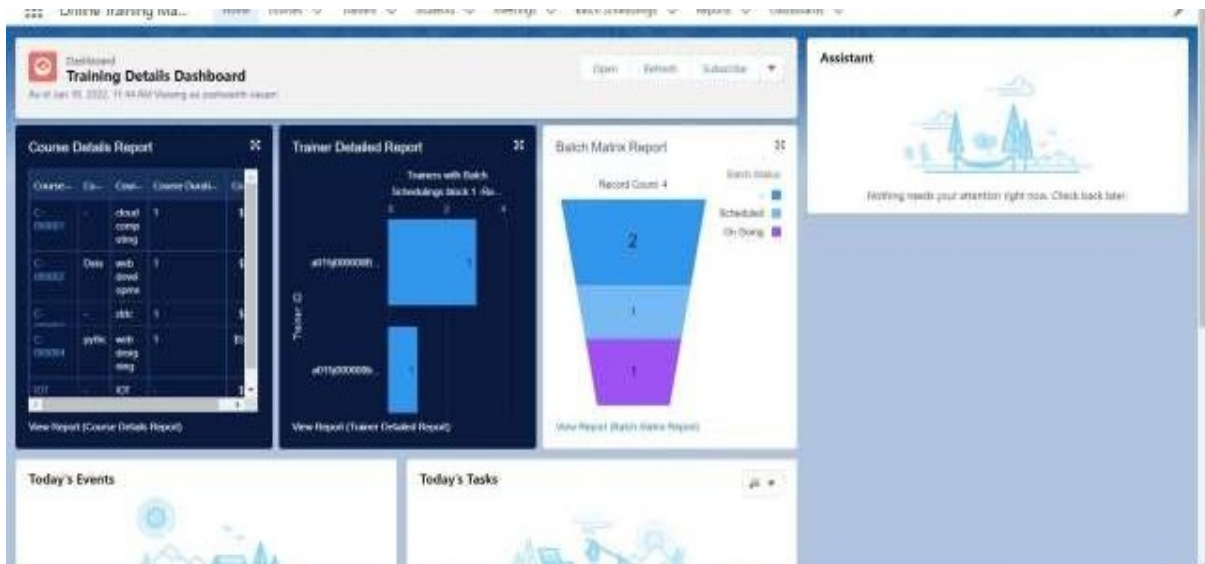
Online Training Ma... Home New Course New Trainer Search Courses Search Student Training Calender Reports Dashboards

Search Student Details

Enter Student Email:

accessibility title

Activate Windows
Go to Settings to activate Windows.



Conclusion:-

The above discussion and pictures related to projects above. This cloud based CRM and great scope in this field. Its working is very simple and not complex like others languages such as java, C++, C etc. Salesforce doesn't required any software to work on it. It is work on SaaS(Software as a Service) which means allow user to connect cloud-based application over the internet. While doing this project I have got many errors while doing the tasks but with the help trainer and the mentor the errors were solved in the next session and the project has been done successfully in a short period of time. Now I have got experience to perform in the various projects without any errors. This project had given me the real time experience in how to work in a company organization.