



SALESFORCE PROJECT READY

Entry Level Training & Professional Development Program

Project Title: Online Training Management Application

Day 1:

Topic: Introduction to Salesforce Org

Milestone/Activites: To create a salesforce developer org and account activation

Detailed Description: We have received the SMARTINTERNZ credentials to login and access the resources for the project(Online Training Management) from the externship column. In the very first session they have delivered how to create an application using lightning app, and some glimpse of CRM and other basic terminologies of salesforce at the end of session we are instructed to follow the project details under the project workspace to complete the first task i.e to activate our salesforce developer org

Screenshots:

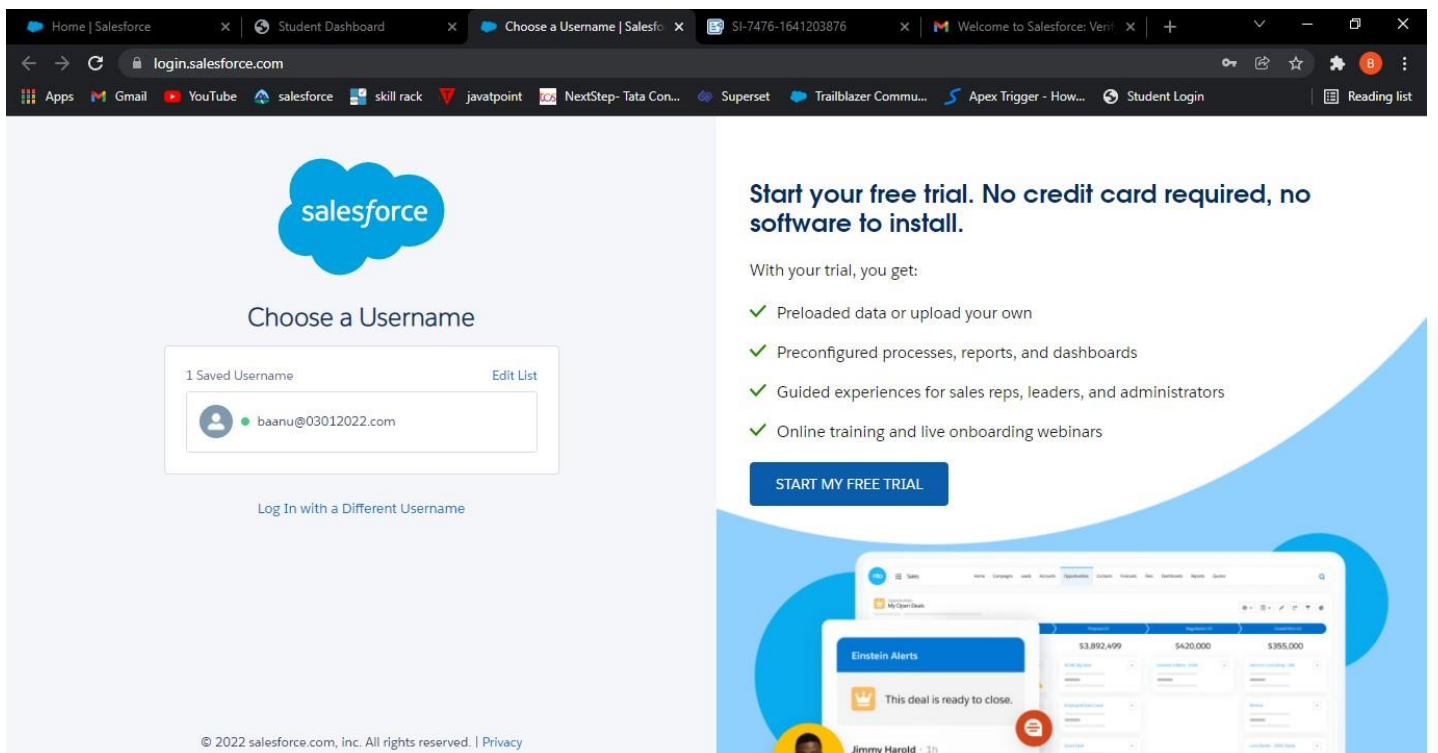
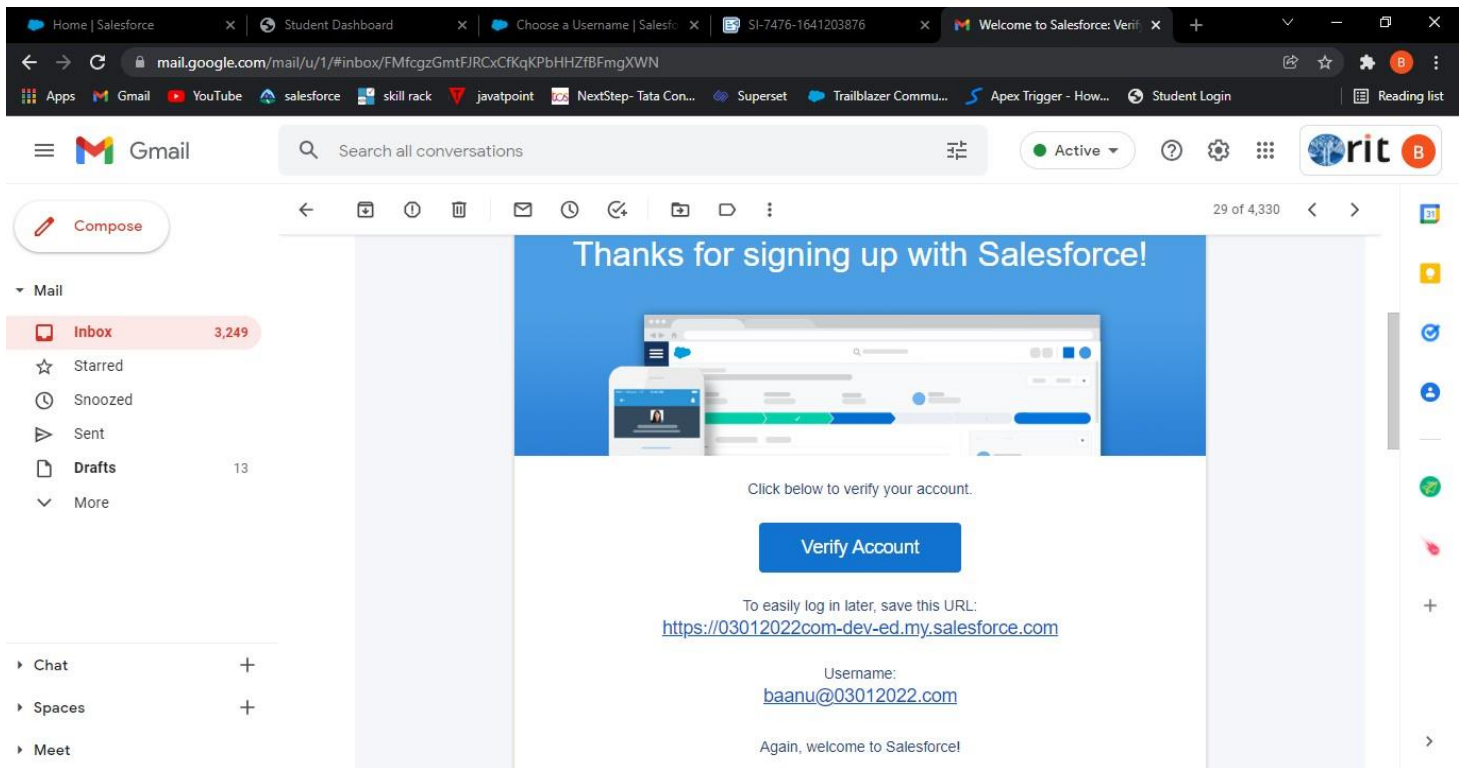
Step 1:

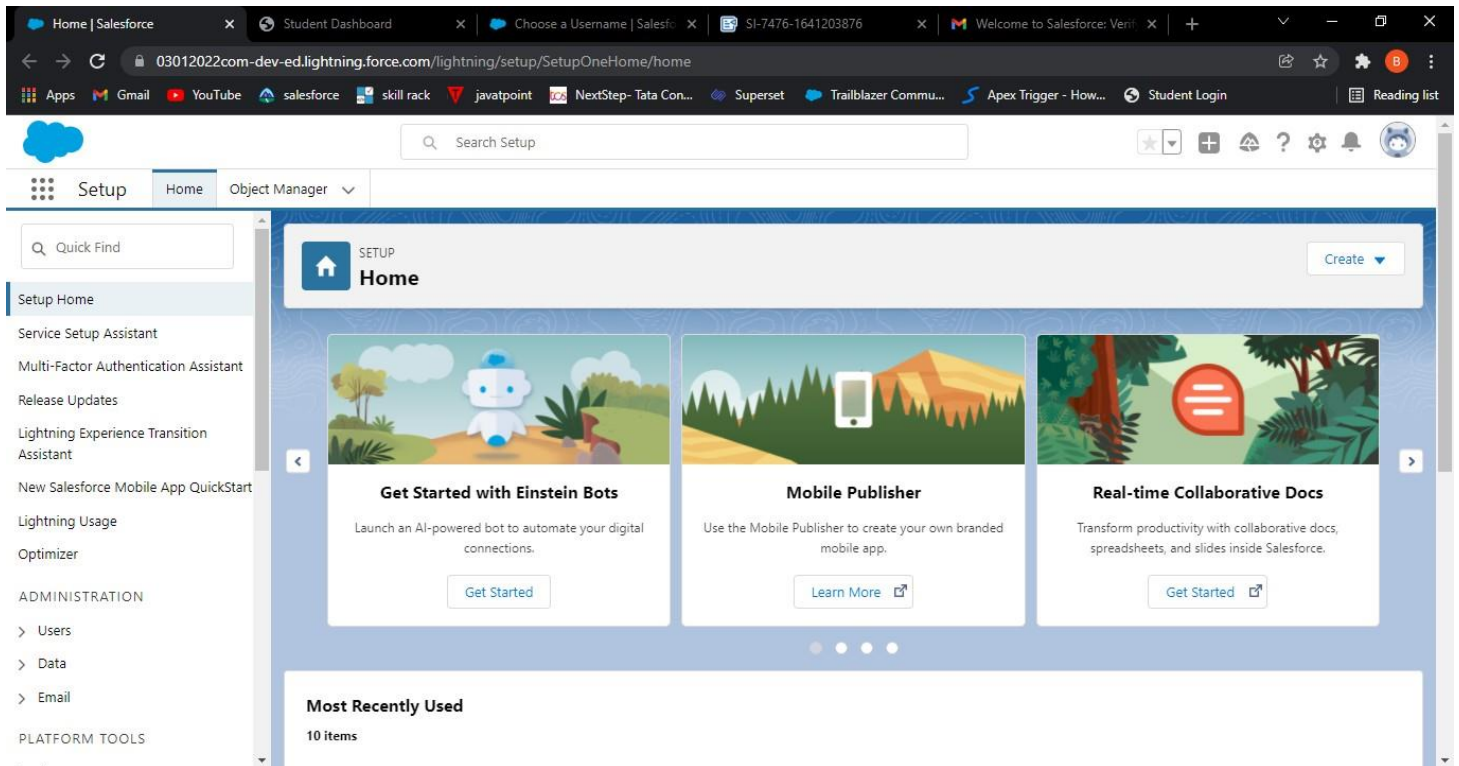
Login to the SMARTINTERNZ platform

Step 2:

Creating a developer Account by sign up and fill the required details within 5-10 minutes I got my email verification and activated my account by verify account through the mail

After verification I have logged in to my salesforce account





Day 2:

Topic: Create Custom Objects

Milestone/Activities: Creating Custom Objects and their respective Fields

Detailed Description: In the second session we learned about Objects and fields and how to create object in the salesforce org. There are 3 ways for creating objects first by using schema builder , create object directly in the object manager page or create object from spreadsheet

The task is to create an custom object for the application

Objects > Courses, Trainer, Student, Meeting, Batch/Class Scheduling

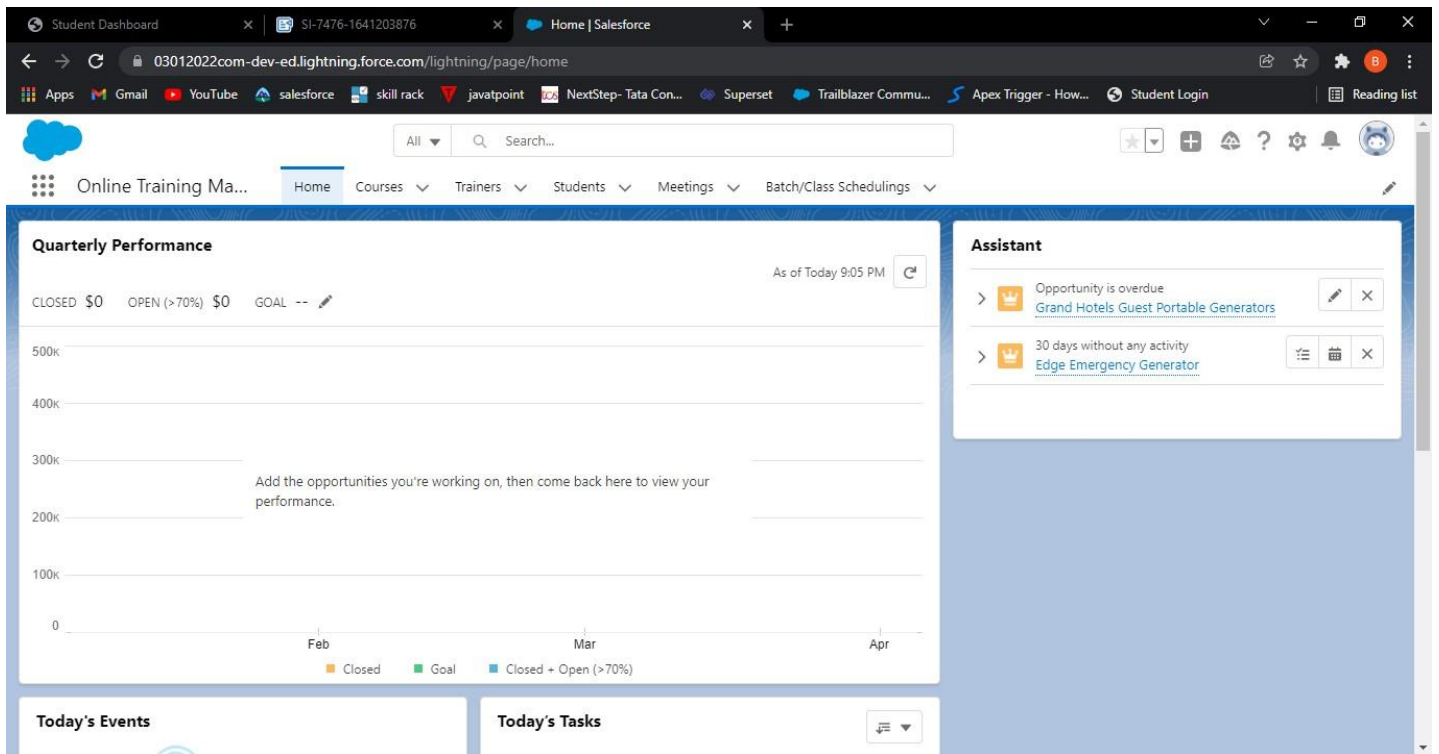
Fields-----> Name, ID, Whatsapp Number, Phone Number, Age,DateofBirth,Experience,URL etc.. Objects in

the salesforce is represented as tabs for storing the information in the form of database Fields are the

different collection of information that will be stored on the respective object

Screenshots:

Custom Objects of online training management application



Course Object and its field

SETUP > OBJECT MANAGER

Course

Fields & Relationships

9 Items, Sorted by Field Label

Field Name	API Name	Field Type	Relationship
Course Category	Course_Category__c	Picklist	
Course Description	Course_Description__c	Long Text Area(32768)	
Course Duration	Course_Duration__c	Picklist	
Course Fees	Course_Fees__c	Currency(18, 0)	
Course ID	Course_ID__c	Auto Number	
Course Name	Name	Text(80)	✓
Course Trainer	Course_Trainer__c	Master-Detail(Trainer)	✓

Trainer Object and its Field

Student Dashboard x SI-7476-1641203876 x Trainer | Salesforce x +

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NgbX/FieldsAndRelationships/view

Apps Gmail YouTube salesforce skill rack javatpoint NextStep- Tata Con... Superset Trailblazer Commu... Apex Trigger - How... Student Login Reading list

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Trainer

Details

Fields & Relationships
13 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Age	Age__c	Formula (Number)		
Created By	CreatedById	Lookup(User)		
DateofBirth	DateofBirth__c	Date		
Email	Email__c	Email		
Experience	Experience__c	Picklist		
Expertise	Expertise__c	Text Area(255)		
Full Name	Name	Text(80)		✓

Student Dashboard x SI-7476-1641203876 x Trainer | Salesforce x +

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NgbX/FieldsAndRelationships/view

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Trainer

Details

Fields & Relationships
13 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

Full Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
LinkedIn Profile	LinkedIn_Profile__c	URL(255)		
Owner	OwnerId	Lookup(User,Group)		✓
PhoneNumber	PhoneNumber__c	Phone		
Trainer ID	Trainer_ID__c	Auto Number		
Whatsapp Number	Whatsapp_Number__c	Phone		

Student Object and its field

Student Dashboard | SI-7476-1641203876 | Student | Salesforce | Post Attendee - Zoom

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NgcG/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	Email__c	Email		
Enrollment Date	Enrollment_Date__c	Formula (Date)		
First Name	First_Name__c	Text(16)		
Last Modified By	LastModifiedById	Lookup(User)		
Last Name	Last_Name__c	Text(10)		

Student Dashboard | SI-7476-1641203876 | Student | Salesforce | Post Attendee - Zoom

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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

First Name	First_Name__c	Text(16)		
Last Modified By	LastModifiedById	Lookup(User)		
Last Name	Last_Name__c	Text(10)		
PhoneNumber	PhoneNumber__c	Phone		
Student Enrollment	Student_Enrollment__c	Master-Detail(Batch/Class Scheduling)		✓
Student ID	Name	Auto Number		✓
Whatsapp Number	Whatsapp_Number__c	Phone		

Meeting Object and its Field

Student Dashboard x SI-7476-1641203876 x Meeting | Salesforce x Post Attendee - Zoom x

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NgdO/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		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Meeting ID	Name	Auto Number	✓	
Meeting Link	Meeting_Link__c	URL(255)		
Owner	OwnerId	Lookup(User,Group)	✓	
Valid From	Valid_From__c	Date		
Valid To	Valid_To__c	Date		

Batch/Class scheduling

Student Dashboard x SI-7476-1641203876 x Batch/Class Scheduling | Salesforce x Post Attendee - Zoom x

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NfOu/FieldsAndRelationships/view

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Batch/Class Scheduling

Details

Fields & Relationships

14 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	Batch_ID__c	Auto Number		
Batch Type	Batch_Type__c	Picklist		
Batch/Class Scheduling Name	Name	Text(80)	✓	
Course ID	Course_ID__c	Lookup(Course)	✓	
Created By	CreatedById	Lookup(User)		
End Date	End_Date__c	Date		
Enrolled Details	Enrolled_Details__c	Formula (Text)		

Student Dashboard | SI-7476-1641203876 | Batch/Class Scheduling | Salesforce | Post Attendee - Zoom

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NfOu/FieldsAndRelationships/view

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Search Setup

Setup | Home | Object Manager

SETUP > OBJECT MANAGER

Batch/Class Scheduling

Details

Fields & Relationships

14 Items, Sorted by Field Label

Quick Find

New | Deleted Fields | Field Dependencies | Set History Tracking

Last Modified By	LastModifiedById	Lookup(User)	
Meeting ID	Meeting_ID__c	Lookup(Meeting)	✓
Number Of Students	Number_Of_Students__c	Roll-Up Summary (COUNT Student)	
Owner	OwnerId	Lookup(User,Group)	✓
Start Date	Start_Date__c	Date	
Status	Status__c	Picklist	
Trainer ID	Trainer_ID__c	Lookup(Trainer)	✓

Day 3:

Topic: Validation rules and Relationships

Milestone/Activites: Creating Validation rules for custom objects and Building relationships between them using schema builder

Detailed description: In this session I learnt about Validation rule how it works and what is the purpose etcA validation rule is like a formula or an expression where the condition returns true or false based on the criteria or rule for example if due date is approaching in 2 days it should send an email alert to the receipient Also there will be an error message, we can write the error message as per the requirement so it will be triggered once the condition become true

1. Validation rule on course field

- > Course Fees Cannot be Negative
- > Course Fees Should Be Less than 3000\$

Student Dashboard | SI-7476-1641203876 | Course | Salesforce

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NeOI/ValidationRules/03d5j000000gfSDAAY/view

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Search Setup

Setup | Home | Object Manager

SETUP > OBJECT MANAGER

Course

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Course Validation Rule

[Back to Course](#)

Help for this Page

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Course_Fee	Active	<input checked="" type="checkbox"/>
Error Condition Formula	Course_Fees__c<0		
Error Message	Course fee should not be less than 0	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/4/2022, 8:53 PM	Modified By	BAANUMIRA J. 1/4/2022, 8:53 PM

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Student Dashboard | SI-7476-1641203876 | Course | Salesforce

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NeOI/ValidationRules/03d5j000000gfSNAAY/view

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Search Setup

Setup | Home | Object Manager

SETUP > OBJECT MANAGER

Course

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Course Validation Rule

[Back to Course](#)

Help for this Page

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Course_Fee_limitation	Active	<input checked="" type="checkbox"/>
Error Condition Formula	Course_Fees__c>=3000		
Error Message	course fee should be greater than or equal to 3000	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/4/2022, 8:55 PM	Modified By	BAANUMIRA J. 1/4/2022, 8:55 PM

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2. Validation rule on Trainer Object

- > Age Should Not Be Less than 25 years
- > Phone Number and Whatsapp Number should accept minimum 10 digits and maximum 15 digits

Student Dashboard x SI-7476-1641203876 x Trainer | Salesforce x +

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NgbX/ValidationRules/03d5j000000gffS/view

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Search Setup

Setup Home Object Manager

Trainer

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

Trainer Validation Rule

[Back to Trainer](#)

Help for this Page

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Trainer_age	Active	<input checked="" type="checkbox"/>
Error Condition Formula	Age__c<25		
Error Message	Age should be less than 25	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/5/2022, 1:58 AM	Modified By	BAANUMIRA J. 1/9/2022, 4:02 AM

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Student Dashboard x SI-7476-1641203876 x Trainer | Salesforce x +

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Search Setup

Setup Home Object Manager

Trainer

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

Trainer Validation Rule

[Back to Trainer](#)

Help for this Page

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Trainer_whatsapp_and_phone_number	Active	<input checked="" type="checkbox"/>
Error Condition Formula	NOT(REGEX(PhoneNumber__c, "[0-9]{10,15}"))&NOT(REGEX(Whatsapp_Number__c, "[0-9]{10,15}"))		
Error Message	Phone Number and Whatsapp Number should accept minimum 10 digits and maximum 15 digits	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/5/2022, 2:25 AM	Modified By	BAANUMIRA J. 1/9/2022, 4:03 AM

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3. validation rule on student object

- > Lastname should not be Blank
- > Minimum 16 years of age
- > Phone and whatsappNumber should be minimum 10 digits

Student Dashboard x SI-7476-1641203876 x Student | Salesforce x +

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NgcG/ValidationRules/03d5j000000ghdbAAA/view

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Student

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

Student Validation Rule

[Back to Student](#)

Help for this Page

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Student_Age_limit	Active	<input checked="" type="checkbox"/>
Error Condition Formula	Age__c<16	Error Location	Top of Page
Error Message	Student should be minimum 16 years old		
Description			
Created By	BAANUMIRA J. 1/9/2022, 2:37 AM	Modified By	BAANUMIRA J. 1/9/2022, 2:37 AM

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Student Dashboard x SI-7476-1641203876 x Student | Salesforce x +

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Student

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

Student Validation Rule

[Back to Student](#)

Help for this Page

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Student_whatsapp_and_phone_number	Active	<input checked="" type="checkbox"/>
Error Condition Formula	NOT(REGEX(PhoneNumber__c, "[0-9]{10,15}"))&&NOT(REGEX(Whatsapp_Number__c, "[0-9]{10,15}"))	Error Location	Top of Page
Error Message	Phone and whatsapp Number should be minimum 10 digits		
Description			
Created By	BAANUMIRA J. 1/6/2022, 10:19 PM	Modified By	BAANUMIRA J. 1/6/2022, 10:19 PM

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Student Dashboard x SI-7476-1641203876 x Student | Salesforce x +

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Student

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

Student Validation Rule

[Back to Student](#)

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Student_last_name	Active	<input checked="" type="checkbox"/>
Error Condition Formula	ISBLANK(Last_Name__c)		
Error Message	Last name should not be blank	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/5/2022, 1:34 AM	Modified By	BAANUMIRA J. 1/9/2022, 4:03 AM

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4. Validation rule on Meeting objects

- > Valid From should not be less than current date
- > ValidTo Cannot be less than Valid from
- > Minimum 14 days difference should be in between valid from and valid to

Student Dashboard x SI-7476-1641203876 x Meeting | Salesforce x +

03012022com-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000NgcO/ValidationRules/03d5j000000gfgkAAA/view

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Meeting

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

Meeting Validation Rule

[Back to Meeting](#)

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Meeeeting_details	Active	<input checked="" type="checkbox"/>
Error Condition Formula	Valid_From__c < TODAY()		
Error Message	Valid From should not be less than current date	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/5/2022, 2:31 AM	Modified By	BAANUMIRA J. 1/5/2022, 2:31 AM

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Student Dashboard x SI-7476-1641203876 x Meeting | Salesforce x +

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Meeting

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

Meeting Validation Rule

[Back to Meeting](#)

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Meeting_date_details	Active	<input checked="" type="checkbox"/>
Error Condition Formula	Valid_To__c < Valid_From__c		
Error Message	ValidTo Cannot be less than Valid from	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/5/2022, 2:33 AM	Modified By	BAANUMIRA J. 1/5/2022, 2:33 AM

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Student Dashboard x SI-7476-1641203876 x Meeting | Salesforce x +

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Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Meeting

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

Meeting Validation Rule

[Back to Meeting](#)

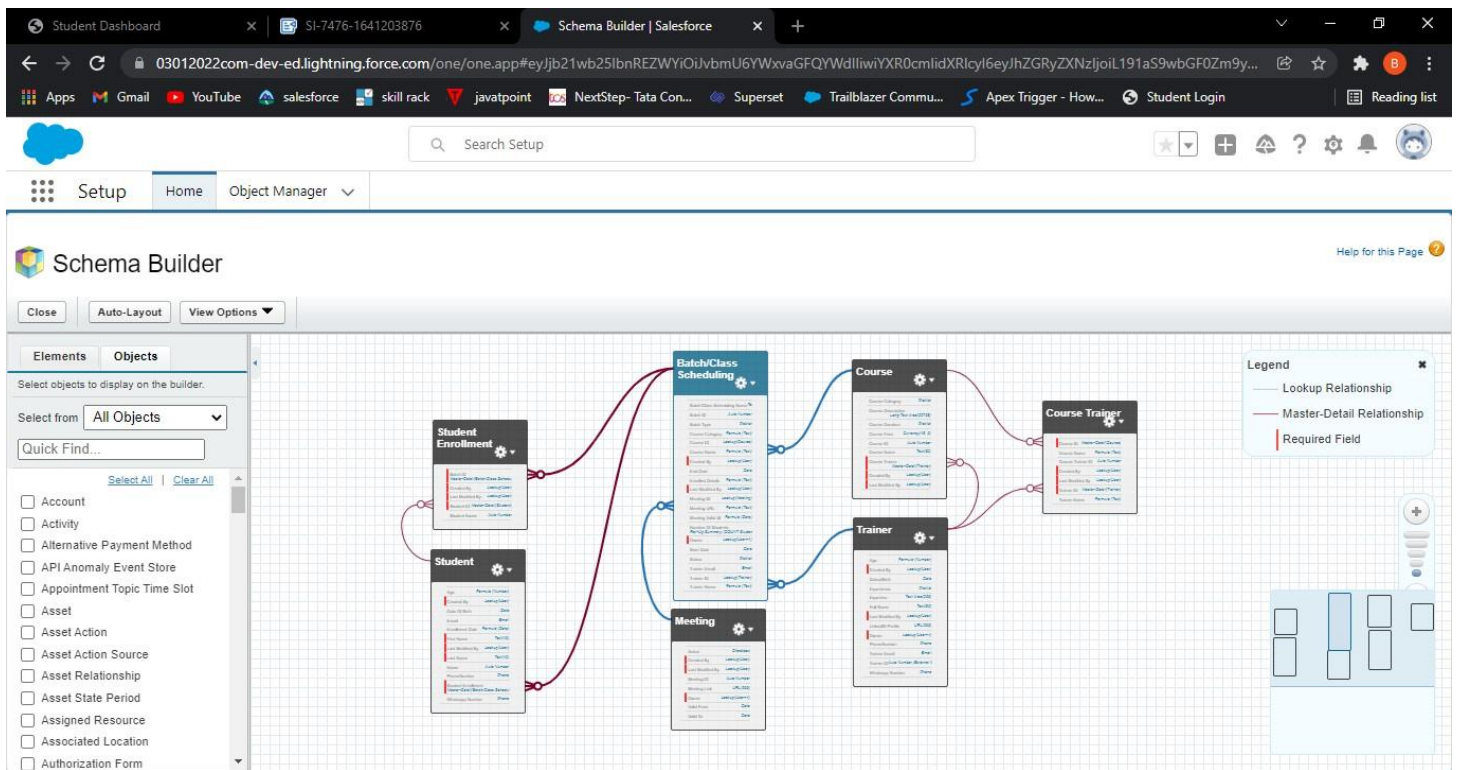
Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Meeting_vaidid_to_valid_from	Active	<input checked="" type="checkbox"/>
Error Condition Formula	Valid_To__c - Valid_From__c < 14		
Error Message	Minimum 14 days difference should be in between valid from and valid to	Error Location	Top of Page
Description			
Created By	BAANUMIRA J. 1/5/2022, 2:34 AM	Modified By	BAANUMIRA J. 1/5/2022, 2:34 AM

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Relationship between two objects established by using lookup or master-detail relationship
 Course object and trainer object has an junction object Course-Trainee object
 Student object and Batch scheduling object has an junction object Student-Enrollment object

I have created the master detail relationship using two methods one by creating object directly and the next method by using Schema builder



Day 4:

Topic: Create Process automation

Milestone/Activites: Creating work flow rule on meeting object and batch object

Detailed Description: The session is all about Process automation . It is used to construct a process or work flow in easy manner there are four types in it

- 1.Approval process
- 2.Process builder
- 3.Flows
- 4.Work flow

create work flow rule 1 day after valid to date the active check box will uncheck automatically and inform owner

create work flow rule 1 day before valid to date send a reminder email to owner

create work flow rule 2 days before valid to date send a reminder email to owner

Post Attendee - ZoomStudent DashboardWorkflow Rules | SalesforceSI-7476-1641203876

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Search Setup

SetupHomeObject Manager

workflo

Process AutomationWorkflow ActionsEmail AlertsField UpdatesOutbound MessagesSend ActionsTasksWorkflow RulesEnvironmentsMonitoringTime-Based Workflow

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SETUPWorkflow Rules

All Workflow Rules

Configure your organization's workflow by creating workflow rules. Each workflow rule consists of:

Criteria that cause the workflow rule to run.

Immediate actions that execute when a record matches the criteria. For example, Salesforce can automatically send an email that notifies the account team when a new high-value opportunity is created.

Time-dependent actions that queue when a record matches the criteria, and execute according to time triggers. For example, Salesforce can automatically send an email reminder to the account team if a high-value opportunity is still open ten days before the close date.

Quick Tips

Useful Sample Workflow Rules

Video Tutorial (English Only)

Troubleshooting Workflow

View: All Workflow RulesCreate New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Rule Name ↑	Description	Object	Active
Edit Del Deactivate	Active checkbox will uncheck automatically		Meeting	✓
Edit Del Deactivate	Email reminder 2 days before valid date		Meeting	✓
Edit Del Deactivate	Reminder email before 1 day		Meeting	✓

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Post Attendee - ZoomStudent DashboardEmail Alerts | SalesforceSI-7476-1641203876

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Search Setup

SetupHomeObject Manager

email al

Process AutomationWorkflow ActionsEmail Alerts

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SETUPEmail Alerts

All Email Alerts

Email alerts are the emails that workflow rules send when triggered.

View: All Email AlertsCreate New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Description ↑	Email Template Name	Object	Last Modified Date
Edit Del	Email alert to course record owner	New Course confirmation email template	Course	1/8/2022
Edit Del	Meeting expiry date email alert template	Meeting end date reminder email template	Meeting	1/8/2022
Edit Del	Reminder email before 2 days of valid to date	Reminder email before 2 days of valid to date	Meeting	1/9/2022
Edit Del	Reminder email one day before	Reminder email before 1 day	Meeting	1/9/2022
Edit Del	Training confirmation email alert	Trainer confirmation email	Batch/Class Scheduling	1/9/2022

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Day 5:

Topic: Create VisualForce page for Course Object

Milestone/Activites: Creating Custom Pages using Visualforce on the Course object of Online Training Management VF application

Detailed Description: The first requirement is to create a new application to display our tabs by using visual force pages I have created the application Online Trainig Management VF by using Lightning Experience App Manager for displaying the visual force created tabs . After that I have used the visual force page to customize my Course tab with my code. I've customized to land a new web page with thank you message once after the user clicked on the save record

The screenshot displays the Lightning App Builder interface in a web browser. The browser's address bar shows the URL: `03012022com-dev-ed.lightning.force.com/visualEditor/appBuilder.app?id=02u5j000000RBLDAA4&retUrl=https%3A%2F%2F03012022com-dev-ed.lightning.force.com%2F...&context=03012022com-dev-ed.lightning.force.com%2F...&context=03012022com-dev-ed.lightning.force.com%2F...`. The browser's tab bar includes 'Student Dashboard', 'Online training management VF', and 'SI-7476-1641203876'. The browser's bookmark bar lists various links including 'Apps', 'Gmail', 'YouTube', 'salesforce', 'skill rack', 'javatpoint', 'NextStep- Tata Con...', 'Superset', 'Trailblazer Commu...', 'Apex Trigger - How...', 'Student Login', and 'Reading list'. The Lightning App Builder interface has a dark blue header with a navigation bar containing 'Lightning App Builder', 'App Settings', 'Pages', and 'Online training management VF'. A 'Help' icon is also present. The left sidebar is titled 'App Settings' and contains a list of options: 'App Details & Branding' (selected), 'App Options', 'Utility Items (Desktop Only)', 'Navigation Items', and 'User Profiles'. The main content area is titled 'App Details & Branding' and includes the instruction: 'Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.' The 'App Details' section contains three input fields: '* App Name' (with value 'Online training management VF'), '* Developer Name' (with value 'Online_training_management_VF'), and 'Description' (with placeholder text 'Enter a description...'). The 'App Branding' section includes an 'Image' field (with a 'Smart Internz' logo), a 'Primary Color Hex Value' field (with value '#4740AE'), and an 'Org Theme Options' checkbox (which is unchecked). The 'App Launcher Preview' section shows a preview of the app's navigation bar with the 'Smart Internz' logo and the text 'Online training manageme...'. A 'Clear' button is located below the 'Image' field.

Student Dashboard | Course | Salesforce | Visualforce Pages | Salesforce | Page Editor - Course | SI-7476-1641203876 | + | - | X

03012022com-dev-ed.lightning.force.com/lightning/n/New_course

Apps | Gmail | YouTube | salesforce | skill rack | javatpoint | NextStep- Tata Con... | Superset | Trailblazer Commu... | Apex Trigger - How... | Student Login | Reading list

Smart Interface

All | Search...

Online training man... | Home | **New course** | Trainer Registration | Student Enrollment | Meeting | Batch Scheduling

New Course

Course Name *	<input type="text" value="Python"/>	Course Category	<input type="text" value="Data science"/>
Course Fees *	<input type="text" value="200"/>	Course Duration	<input type="text" value="3 months"/>
Course Description	<input type="text"/>		

Student Dashboard | Coursethankyou | Salesforce | Visualforce Pages | Salesforce | Page Editor - Course | SI-7476-1641203876 | + | - | X

03012022com-dev-ed.lightning.force.com/one/one.app#eyJjb21wb251bnREZWYiOiJvbmU6YWxvaGFQYWdlIiwiaXR0cmliidXRlcyl6eyJhZGRyZXNzIjoiaHR0cHM6Ly8wMzAx...

Apps | Gmail | YouTube | salesforce | skill rack | javatpoint | NextStep- Tata Con... | Superset | Trailblazer Commu... | Apex Trigger - How... | Student Login | Reading list

Smart Interface

All | Search...

Online training man... | Home | **New course** | Trainer Registration | Student Enrollment | Meeting | Batch Scheduling

Congratulations your Record submitted successfully in our Database

Day 6:

Topic: Create VisualForce page for Trainer Object

Milestone/Activites: Creating Custom Pages using Visualforce on the Trainer object of Online Training Management VF application

Detailed Description: By using Visual force pages I have customized trainer registration page on Online Training management VF application

. Here the requirement is to create a form to fill out the trainer details for registration and the record should be inserted successfully

Student Dashboard | trainer | Salesforce | Visualforce Pages | Salesforce | SI-7476-1641203876

03012022com-dev-ed.lightning.force.com/lightning/n/Trainer_Registration

Apps | Gmail | YouTube | salesforce | skill rack | javatpoint | NextStep- Tata Con... | Superset | Trailblazer Commu... | Apex Trigger - How... | Student Login | Reading list

Smart Internet | All | Search...

Online training man... | Home | New course | **Trainer Registration** | Student Enrollment | Meeting | Batch Scheduling

New Trainer

Full Name *	<input type="text" value="Peter"/>	Trainer Email *	<input type="text" value="peter23@gmail.com"/>
PhoneNumber *	<input type="text" value="(987) 654-3218"/>	Whatsapp Number	<input type="text"/>
DateofBirth *	<input type="text" value="1/17/2002"/> [1/17/2022]	Experience *	<input type="text" value="2years"/>
LinkedIN Profile	<input type="text"/>	Expertise	<input type="text"/>
Age			

Student Dashboard | trainer | Salesforce | Visualforce Pages | Salesforce | SI-7476-1641203876

03012022com-dev-ed.lightning.force.com/lightning/n/Trainer_Registration

Apps | Gmail | YouTube | salesforce | skill rack | javatpoint | NextStep- Tata Con... | Superset | Trailblazer Commu... | Apex Trigger - How... | Student Login | Reading list

Smart Internet | All | Search...

Online training man... | Home | New course | **Trainer Registration** | Student Enrollment | Meeting | Batch Scheduling

New Trainer

✓ **Success:**
Record Inserted Successfully

Full Name *	<input type="text"/>	Trainer Email *	<input type="text"/>
PhoneNumber *	<input type="text"/>	Whatsapp Number	<input type="text"/>
DateofBirth *	<input type="text"/> [1/17/2022]	Experience *	<input type="text" value="--None--"/>
LinkedIN Profile	<input type="text"/>	Expertise	<input type="text"/>
Age			

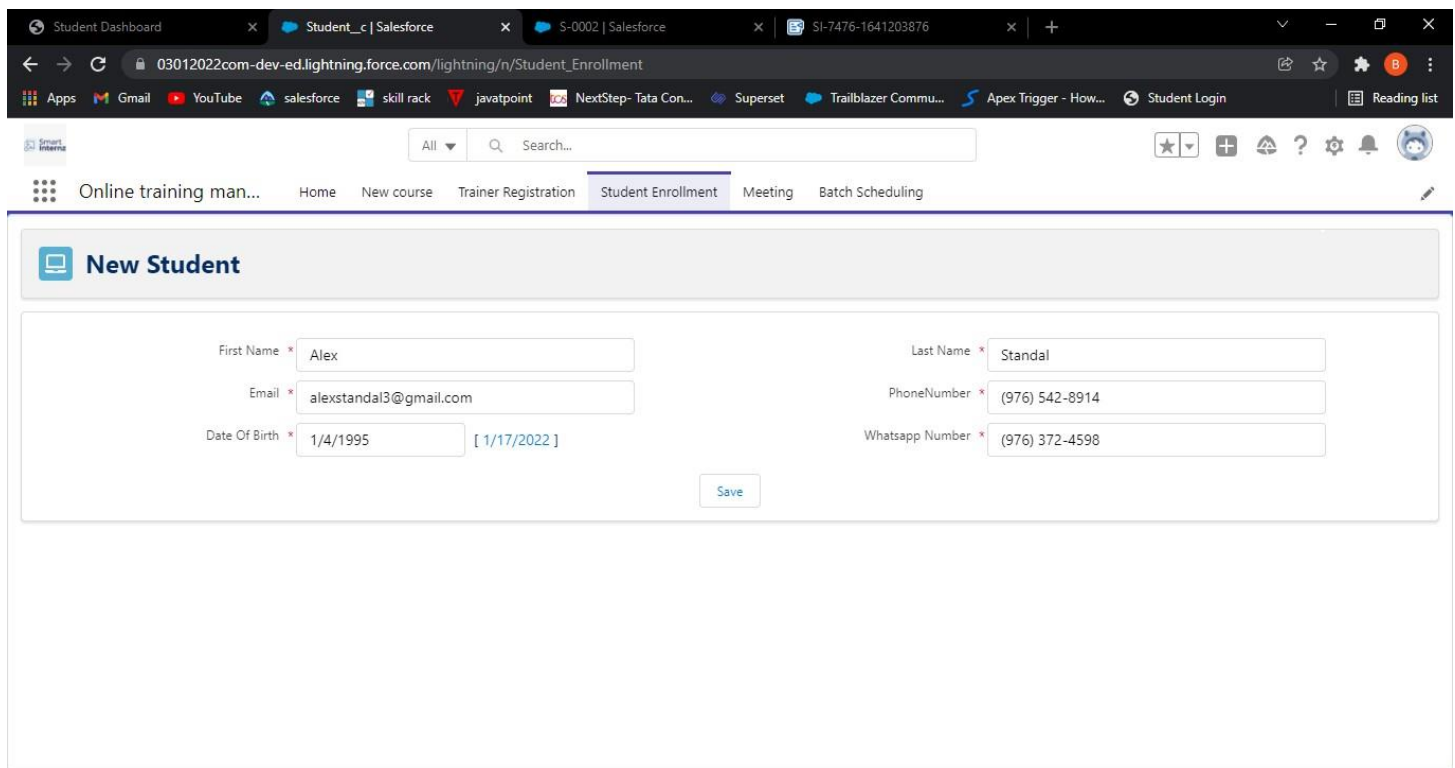
Day 7:

Topic: Create VisualForce page for Student Object

Milestone/Activites: Creating Custom Pages using Visualforce on the Student object of Online Training Management VF application with the help of standard Controller

Detailed Description: By using Visual force pages I have customized Student Enrollment page on Online Training management VF application

. Here the requirement is to create a form to fill out the Student details for registration and the record should be inserted successfully to the database



The screenshot shows a web browser window with multiple tabs. The active tab is 'Student_c | Salesforce'. The address bar shows the URL '03012022com-dev-ed.lightning.force.com/lightning/n/Student_Enrollment'. The browser's address bar and tabs are visible at the top. Below the browser window, the Salesforce interface is shown. The top navigation bar includes 'Online training man...', 'Home', 'New course', 'Trainer Registration', 'Student Enrollment', 'Meeting', and 'Batch Scheduling'. The 'Student Enrollment' tab is selected. Below the navigation bar, there is a section titled 'New Student' with a sub-header 'New Student'. The form contains the following fields and values:

Field	Value
First Name *	Alex
Last Name *	Standal
Email *	alexstandal3@gmail.com
Date Of Birth *	1/4/1995 [1/17/2022]
PhoneNumber *	(976) 542-8914
Whatsapp Number *	(976) 372-4598

A 'Save' button is located at the bottom right of the form.

Day 8:

Topic: Create VisualForce page for Meeting Object

Milestone/Activites: Creating Custom Pages using Visualforce on the Meeting object of Online Training Management VF application with the help of standard Controller

Detailed Description: The requirement is to create a new meeting on Online Training Management App For this I have used the standard controller to save the new records on the database and customized the form with valid from , valid to, active checkbox and meeting link. when user creates new meeting record the meeting link will be active between valid from to valid to dates

Student Dashboard x SI-7476-1641203876 x Meeting_c | Salesforce x +

03012022com-dev-ed.lightning.force.com/lightning/n/Meeting

Apps Gmail YouTube salesforce skill rack javatpoint NextStep- Tata Con... Superset Trailblazer Commu... Apex Trigger - How... Student Login Reading list

All Search...

Online training man... Home New course Trainer Registration Student Enrollment Meeting Batch Scheduling

New Meeting

Valid From 1/17/2022 [1/17/2022] Valid To 2/1/2022 [1/17/2022]

Meeting Link https://smartinternz.com/Student/guided_proje Active ☒

Save

Student Dashboard x SI-7476-1641203876 x M-0004 | Salesforce x +

03012022com-dev-ed.lightning.force.com/lightning/r/Meeting_c/a095j000000PLktAAG/view

Apps Gmail YouTube salesforce skill rack javatpoint NextStep- Tata Con... Superset Trailblazer Commu... Apex Trigger - How... Student Login Reading list

All Search...

Online training man... Home New course Trainer Registration Student Enrollment Meeting Batch Scheduling M-0004 X

Meeting M-0004

New Contact Edit New Opportunity

Related Details

Meeting ID M-0004 Owner BAANUMIRA J

Valid From 1/17/2022 Valid To 2/1/2022 Active ☒

Meeting Link https://smartinternz.com/Student/guided_project_workspace/7476

Created By BAANUMIRA J, 1/17/2022, 7:03 PM Last Modified By BAANUMIRA J, 1/17/2022, 7:03 PM

Day 9:

Topic: Create VisualForce page for Batch Object

Milestone/Activites: Creating Custom Pages using Visualforce on the Batch object of Online Training Management VF application with the help of standard Controller

Detailed Description: Customizing the batch details using visual force standard controller, where we can track the status of the batch also the start date end date and so on. When a user creates a new batch details on the online training management VF app the record stores in the database once the user hits the save button

The screenshot shows the 'New Batch' form in the Salesforce Lightning interface. The form is titled 'New Batch' and contains several input fields for creating a new batch. The fields are arranged in two columns. The left column includes 'Batch Type' (a dropdown menu set to 'Weekend'), 'End Date' (a date picker set to '2/1/2022'), 'Meeting ID' (a text input with 'M-0004'), and 'Status' (a dropdown menu set to 'Scheduled'). The right column includes 'Start Date' (a date picker set to '1/17/2022'), 'Course ID' (a text input with 'Python'), and 'Trainer ID' (a text input with 'Peter'). A 'Save' button is located at the bottom right of the form. The background shows the Salesforce navigation bar with tabs for 'Online training man...', 'Home', 'New course', 'Trainer Registration', 'Student Enrollment', 'Meeting', and 'Batch Scheduling'.

Batch Type * Weekend

Start Date * 1/17/2022 [1/17/2022]

End Date * 2/1/2022 [1/17/2022]

Course ID Python

Meeting ID M-0004

Trainer ID Peter

Status * Scheduled

Save

The screenshot shows the 'Batch/Class Scheduling' record details in the Salesforce Lightning interface. The record is titled 'Batch/Class Scheduling' and has the ID 'a055j000000k7KC'. The record is displayed in a 'Details' view, showing a list of fields and their values. The fields include 'Batch/Class Scheduling Name' (a055j000000k7KC), 'Batch ID' (B-0010), 'Batch Type' (Weekend), 'Start Date' (1/17/2022), 'End Date' (2/1/2022), 'Status' (Scheduled), 'Enrolled Details' (PythonPeterM-0004), and 'Number Of Students'. The record is owned by 'BAANUMIRA J'. The background shows the Salesforce navigation bar with tabs for 'Online training man...', 'Home', 'New course', 'Trainer Registration', 'Student Enrollment', 'Meeting', and 'Batch Scheduling'.

Batch/Class Scheduling
a055j000000k7KC

Owner: BAANUMIRA J

Batch/Class Scheduling Name
a055j000000k7KC

Batch ID
B-0010

Batch Type
Weekend

Start Date
1/17/2022

End Date
2/1/2022

Status
Scheduled

Enrolled Details
PythonPeterM-0004

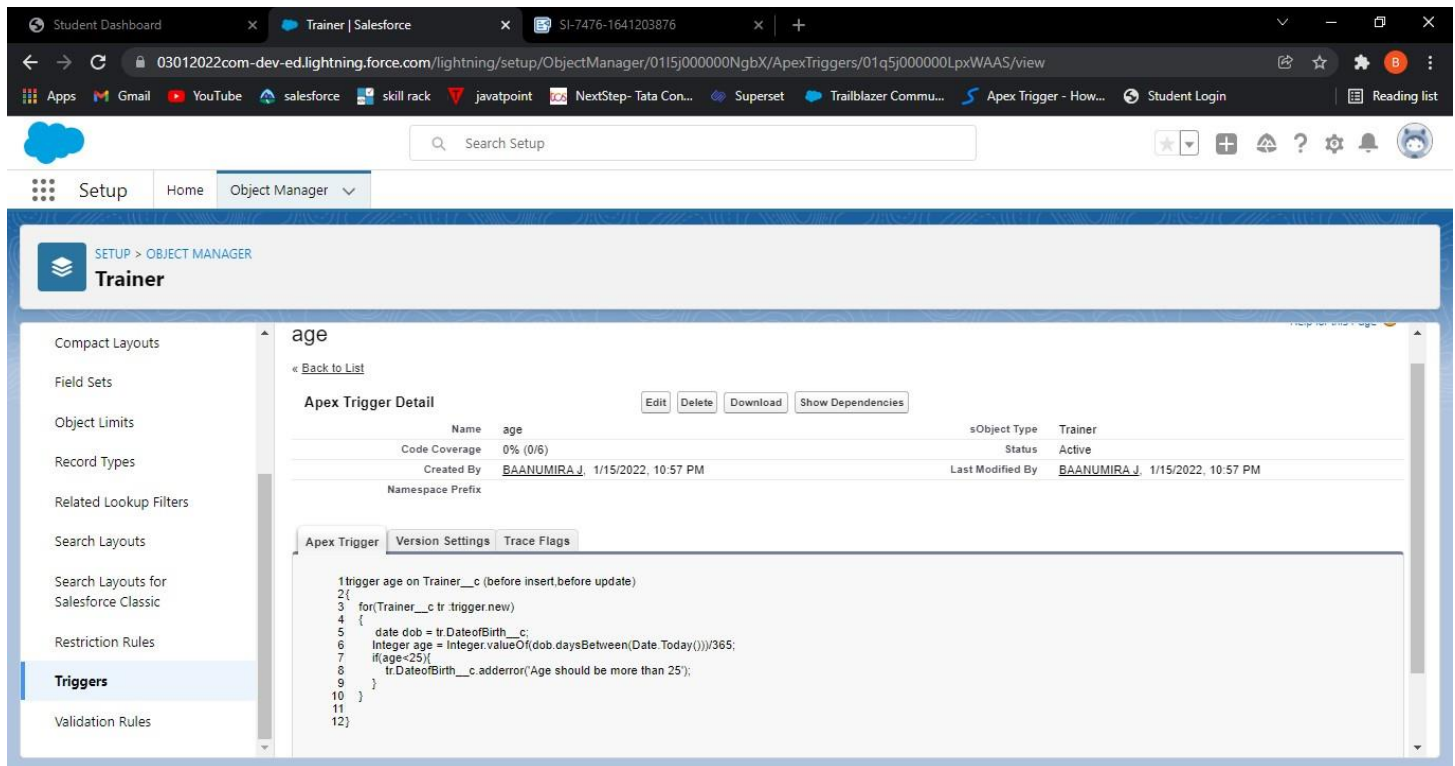
Number Of Students

Day 10:

Topic: Trigger on trainer Object

Milestone/Activites: Create a trigger on trainer object before or after an action invoked

Detailed Description: Trigger is an apex script which is used to enforce an action whenever the event triggered In this session I learnt the DML functions such as insert, update, delete etc. Here the requirement is for before insert and before update to date of birth condition is if age is greater than 25 it should activate an error message



The screenshot shows the Salesforce Setup page for the 'Trainer' object. The left sidebar contains a navigation menu with options like Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, Triggers (selected), and Validation Rules. The main content area displays the 'Apex Trigger Detail' for the 'age' trigger. The trigger is active and was created by BAANUMIRA J. on 1/15/2022 at 10:57 PM. The trigger code is as follows:

```
1 trigger age on Trainer__c (before insert, before update)
2 {
3     for(Trainer__c tr : trigger.new)
4     {
5         date dob = tr.DateOfBirth__c;
6         Integer age = Integer.valueOf(dob.daysBetween(Date.Today())/365;
7         if(age < 25){
8             tr.DateOfBirth__c.adderror('Age should be more than 25');
9         }
10    }
11 }
12 }
```

Day 11:

Topic: Trigger on StudentObject

Milestone/Activites: Create a trigger on Student object before or after an action invoked

Detailed Description: Here the requirement is before insert an record the student age should be checked for storing that record to the database .The condition is if age less than 25 the trigger invoked to display an error message that the age should be more than 16

The screenshot shows the Salesforce Setup interface for the 'Student' object. The left sidebar contains navigation links: Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, **Triggers**, and Validation Rules. The main content area displays the 'Apex Trigger Detail' for the 'ageCheck' trigger. The trigger is active, created by BAANUMIRAJ on 1/16/2022 at 9:53 PM, and has 0% code coverage. The trigger code is as follows:

```

1 trigger ageCheck on Student__c (before insert)
2 {
3     for(Student__c std : trigger.new)
4     {
5         date dob = std.Date_of_Birth__c;
6         Integer age = Integer.valueOf(dob.daysBetween(Date.Today()))/365;
7         if(age < 25){
8             std.Date_of_Birth__c.addError('Age should be more than 16');
9         }
10    }
11 }
12

```

Topic: Trigger on Meeting Object

Milestone/Activites: Create a trigger on Meeting object before or after an action invoked

Detailed Description: Here the requirement is before insert the conditions are if valid from less than today it should display an error message Valid From Date Should Be Greater Than Today. If valid to less than Valid From it should display an error message Valid To Date Should Be Greater Than Valid From

The screenshot shows the Salesforce Setup interface for the 'Meeting' object. The left sidebar contains navigation links: Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, **Triggers**, and Validation Rules. The main content area displays the 'Apex Trigger Detail' for the 'Datecheck' trigger. The trigger is active, created by BAANUMIRAJ on 1/16/2022 at 9:54 PM, and has 0% code coverage. The trigger code is as follows:

```

1 trigger Datecheck on Meeting__c (before insert)
2 {
3     for(Meeting__c mt : trigger.new)
4     {
5         if(mt.Valid_From__c < Date.today())
6         {
7             mt.Valid_From__c.addError('Valid From Date Should Be Greater Than Today');
8         }
9         if(mt.Valid_To__c < mt.Valid_From__c)
10        {
11            mt.Valid_To__c.addError('Valid To Date shouldbe greater than valid from date');
12        }
13        Integer noOfDays = (mt.Valid_From__c).daysBetween(mt.Valid_To__c);
14        if(noOfDays < 14)
15        {
16            mt.Valid_From__c.addError('Minimum 14 days difference should be present between one meeting');
17        }
18    }
19 }
20
21
22

```

