

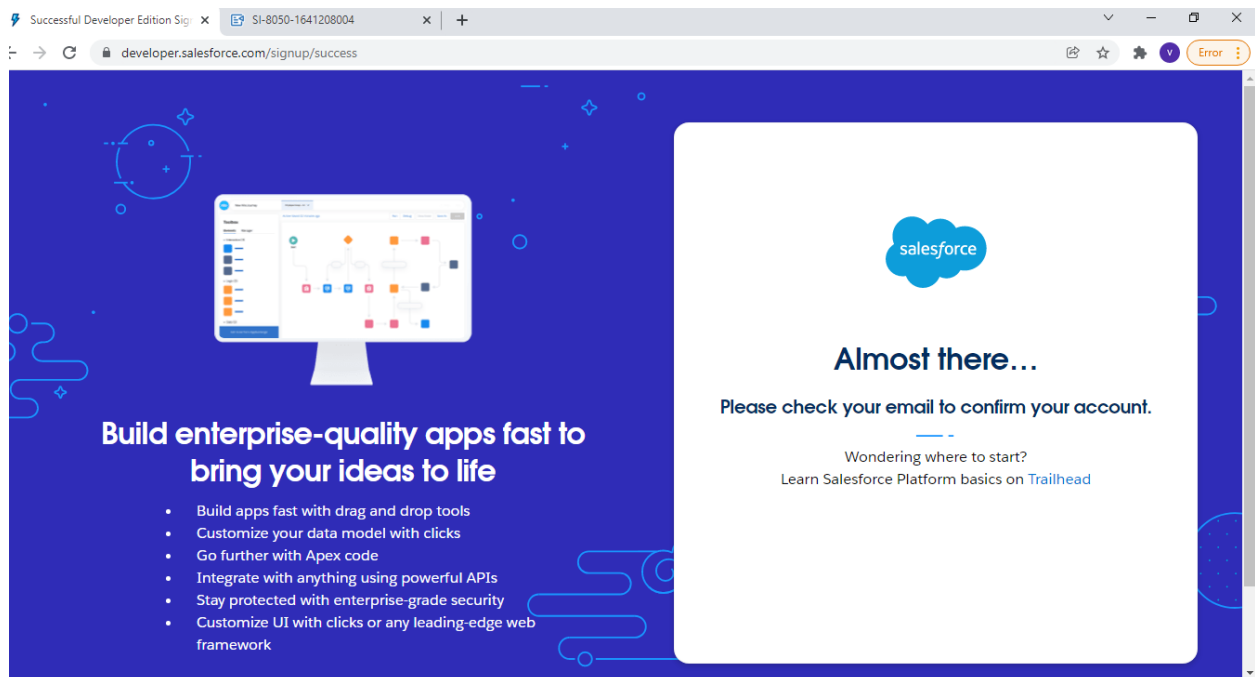
## Day 1:

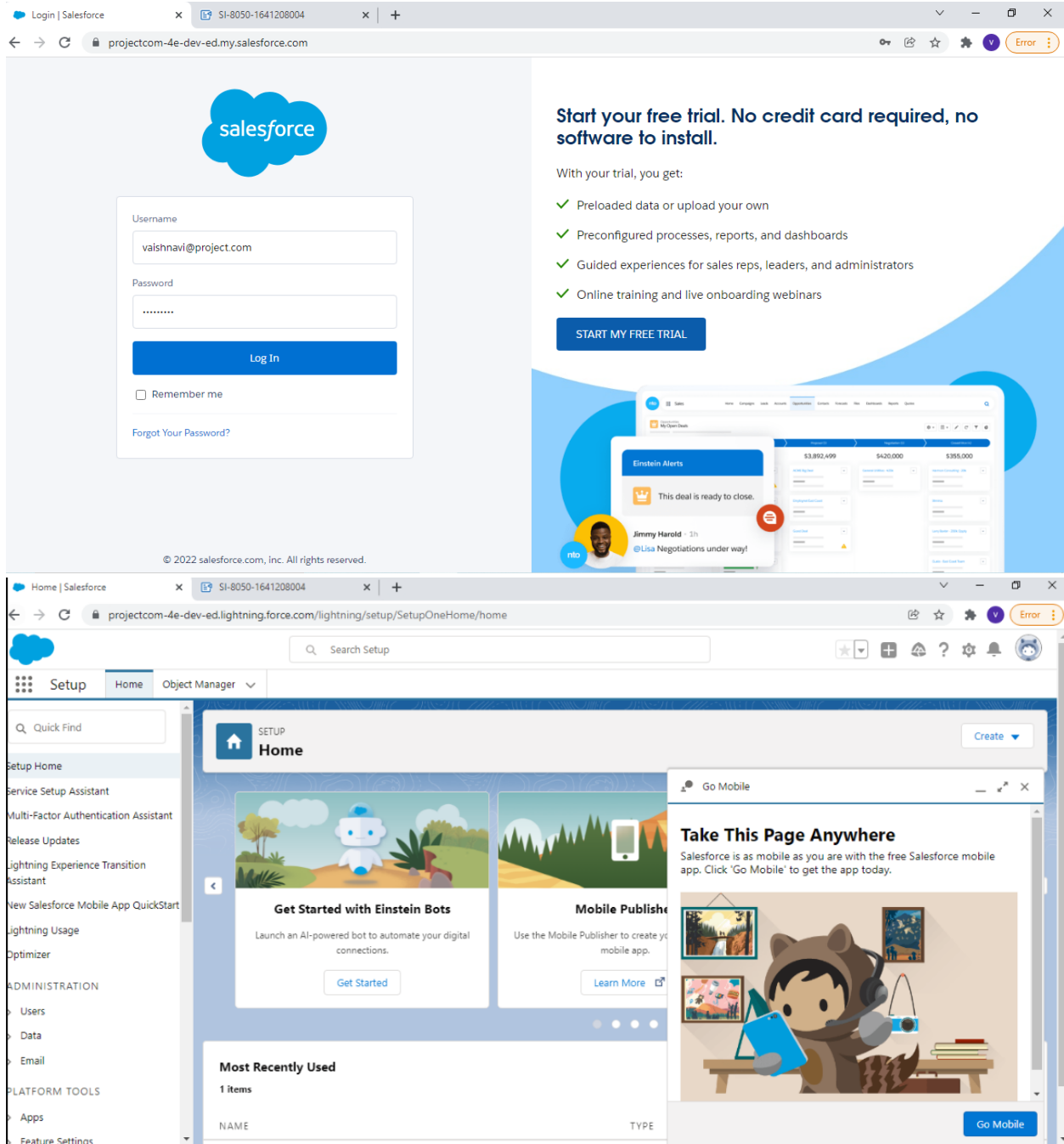
**Topic:** Create your salesforce Developer Org to Get Started

**Milestone/Activities:** Salesforce developer account creation, activation and login

**Detailed Description:** To setup a salesforce developer account specifically for this project, activate the account and login successfully.

## Screenshots:





**Day 2:**

**Topic:** Custom Object Creation

## Milestone/Activities: Create Custom Objects for the Application

**Detailed Description:** To Create Custom objects for the application such as Course object and Trainer Object.

*Screenshots:*

*Course Object and Field relationship:*

The screenshot shows the Salesforce Setup interface for the 'Course' object. The 'Fields & Relationships' section is active, displaying a list of 9 fields sorted by label. The fields are: Course Category (Picklist), Course Description (Text(50)), Course Duration (Picklist), Course Fee (Currency(18, 0)), Course ID (Auto Number, marked as the primary key with a checkmark), Course Name (Text(255)), Created By (Lookup(User)), and Last Modified By (Lookup(User)). The left sidebar shows the navigation menu with 'Fields & Relationships' selected. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'.

Field Label	Field Name	Field Type	Field Properties
Course Category	Course_Category__c	Picklist	
Course Description	Course_Description__c	Text(50)	
Course Duration	Course_Duration__c	Picklist	
Course Fee	Course_Fee__c	Currency(18, 0)	
Course ID	Name	Auto Number	✓
Course Name	Course_Name__c	Text(255)	
Created By	CreatedById	Lookup(User)	
Last Modified By	LastModifiedById	Lookup(User)	

*Course Page layout with fields and validation rule:*

**Edit C-000001**

Course ID: C-000001      Owner: Vaishnavidevi M

\* Course Name:

\* Duration (In Months):

\* Course Category:

\* Course Fee:

Course Description:

Created By: Vaishnavidevi M, 1/4/2022, 1:24 PM      Last Modified By: Vaishnavidevi M, 1/4/2022, 1:24 PM

**⚠ We hit a snag.**

**Review the errors on this page.**

- Course Fee cannot be less than 0 or greater than 3000

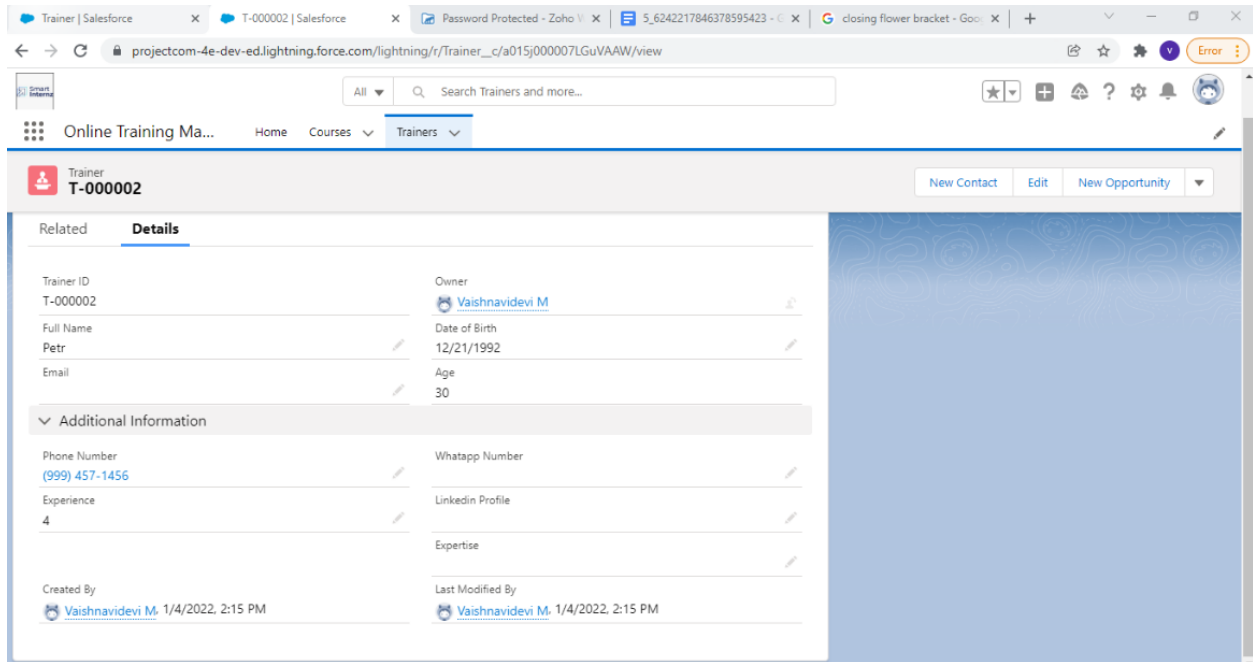
## Trainer Object & fields and relationships:

Setup > OBJECT MANAGER > Trainer

Fields & Relationships  
13 Items, Sorted by Field Label

Field Label	Field Name	Field Type	Field Properties
Age	Age__c	Formula (Number)	
Created By	CreatedById	Lookup(User)	
Date of Birth	Date_of_Birth__c	Date	
Email	Email__c	Email (Unique)	✓
Experience	Experience__c	Picklist	
Expertise	Expertise__c	Text(100)	
Full Name	Full_Name__c	Text(50)	
Last Modified By	LastModifiedById	Lookup(User)	

## Trainer Validation Rule:



### Day 3:

**Topic:** Create object relationships and schema builder

**Milestone/Activities:** To create all the objects for the application, setup relationship and schema builder.

**Detailed Description:** To setup a relationship between the objects and build the data model. Create necessary validation rules.

**Screenshots:**

**Student Object with Validation rule messages:**

\*Student Name  
Naveen

Owner  
Vaishnavidevi M

First Name  
Naveen

Email ID  
naveen.siva@gmail.com

Last Name  
Last Name cannot be Blank

Phone Number  
1234  
Phone number cannot be less than 10 digits

Date of Birth  
1/31/2014  
Only 16+ allowed

Whatsapp Number  
123

Age  
13  
This field is calculated

**We hit a snag.**

Review the following fields

- Date of Birth
- Phone Number
- Last Name

Student Info

Student ID  
S-00001

Enrollment Date  
1/6/2022

Created By

Last Modified By

Cancel Save & New Save

## Meeting object:

### New Meeting

Information

\*Meeting Name  
Complete this field.

Owner  
Vaishnavidevi M

Meeting Id

Valid From  
1/6/2022

Meeting Link

Valid To  
2/5/2022

Active  
☐

Cancel Save & New Save

## Batch Scheduling object:

Information

\* Batch Scheduling Name

Complete this field.

Owner

Vaishnavidevi M

Batch Id

Start Date

1/6/2022

\* Batch Type

--None--

End Date

2/20/2022

Course ID

Search Courses...

Status

--None--

Trainer ID

Search Trainers...

Meeting ID

Search Meetings...

Cancel

Save & New

Save

## Course Trainer - Junction Object reflecting under Course object:

Online Training Ma...

Home

Courses

Trainers

Students

Meetings

Batch Scheduling...

Course

C-000001

New Contact

Edit

New Opportunity

Course-Trainers (2)

New

Course-Trainer: Course-Trainer ID	Course Name	Trainer Name
<a href="#">CT-00001</a>	Salesforce Admin	Petr
<a href="#">CT-00002</a>	Salesforce Admin	Vaish

View All

Notes & Attachments (0)

Upload Files

Upload Files

Or drop files

Batch Scheduling (1)

New

Batch Scheduling Name

## Course-Trainer junction object reflecting under Trainer object:

Smart Enterprise

AllSearch Trainers and more...

★+🏠?⚙️🔔👤

Online Training Ma...HomeCoursesTrainersStudentsMeetingsBatch Schedulings

Trainer

T-000003

New ContactEditNew Opportunity

Course-Trainers (1)

New

Course-Trainer: Course-Trai...	Course Name	Trainer Name	Course Category
<a href="#">CT-00002</a>	Salesforce Admin	Vaish	Cloud Computing
<a href="#">View All</a>			

Notes & Attachments (0)

Upload Files

[Upload Files](#)

Or drop files

Batch Schedulings (1)

New

Batch Scheduling Name
<a href="#">vm</a>

## Student Enrollment cross-object field:

Smart Enterprise

AllSearch Students and more...

★+🏠?⚙️🔔👤

Online Training Ma...HomeCoursesTrainersStudentsMeetingsBatch Schedulings

Student

Naveen

New ContactEditNew Opportunity

RelatedDetails

Student Enrollments (1)

New

Student Enrollment: Student...	Batch Id	Trainer ID	Batch Type
<a href="#">SE-00001</a>	B-00001	<a href="#">T-000003</a>	Weekday
<a href="#">View All</a>			

## Meeting details:



Smart Interview

All Search Meetings and more...

Online Training Ma... Home Courses Trainers Students Meetings Batch Scheduling

Meeting New meet New Contact Edit New Opportunity

Related Details

Meeting Name	New meet	Owner	Vaishnavidevi M
Meeting Id	M-00002	Valid From	1/6/2022
Meeting Link	<a href="https://projectcom-4e-dev-ed.lightning.force.com/lightning/o/Meeting__c/new?count=4&amp;nooverride=1&amp;useRecordTypeCheck=1&amp;navigateLocation=LIST_VIEW&amp;uid=164150170102638505&amp;backgroundContext=%2Fmeeting%2Fo%2FMeeting__c%2Flist%3FfilterName%3DRecent">https://projectcom-4e-dev-ed.lightning.force.com/lightning/o/Meeting__c/new?count=4&amp;nooverride=1&amp;useRecordTypeCheck=1&amp;navigateLocation=LIST_VIEW&amp;uid=164150170102638505&amp;backgroundContext=%2Fmeeting%2Fo%2FMeeting__c%2Flist%3FfilterName%3DRecent</a>	Valid To	2/5/2022
Active	<input checked="" type="checkbox"/>		
Created By	Vaishnavidevi M, 1/6/2022, 12:43 PM	Last Modified By	Vaishnavidevi M, 1/6/2022, 12:55 PM

## Batch Scheduling :

Smart Interview

All Search...

Online Training Ma... Home Courses Trainers Students Meetings Batch Scheduling

Batch Scheduling vm New C

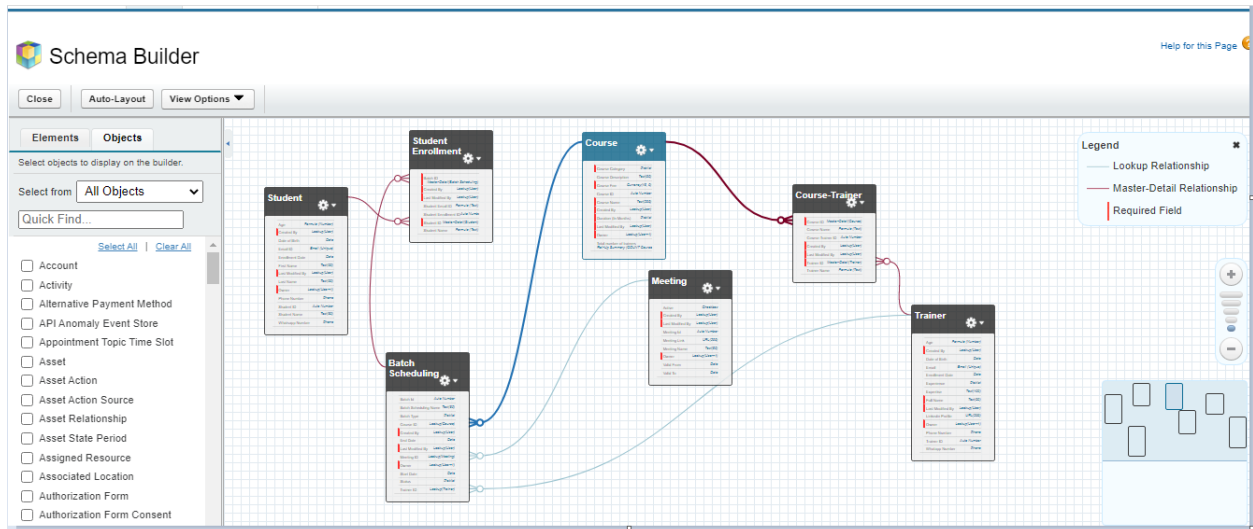
Related Details

Batch Scheduling Name	vm	Owner	Vaishnavidevi M
Batch Id	B-00001	Start Date	1/6/2022
Batch Type	Weekday	End Date	2/20/2022
Course ID	C-000001	Status	Scheduled
Trainer ID	T-000003		
Meeting ID	New meet		
Created By	Vaishnavidevi M, 1/6/2022, 12:30 PM	Last Modified By	Vaishnavidevi M, 1/6/2022, 12:54 PM

Type here to search

22°C Partly cl

## Current schema builder:



## Day 4:

**Topic:** Automation processes

**Milestone/Activities:** Create work flow rules

**Detailed Description:** 1. create work flow rule 1 day after valid to date the active check box will uncheck automatically and inform owner:  
2.create work flow rule 1 day before valid to date send a reminder email to owner:

## Screenshots:

Work flow rule 1 one meeting object

The image displays two screenshots of the Salesforce Setup interface, specifically the 'Workflow Rules' configuration page for the 'Meeting' object. The top screenshot shows the 'Edit Rule' form with the rule name 'To change meeting status to' and the evaluation criteria 'created, and any time it's edited to subsequently meet criteria'. The bottom screenshot shows the same form with the rule name 'Work flow rule 1 day before' and the evaluation criteria 'created, and any time it's edited to subsequently meet criteria'. Both screenshots show the 'Rule Criteria' section with the formula 'Valid\_To\_\_c = 1'.


**Top Screenshot:**

- Object:** Meeting
- Rule Name:** To change meeting status to
- Description:** Work flow rule 1 day after valid to date, the active check box will uncheck automatically and inform owner.
- Evaluation Criteria:** Evaluate the rule when a record is:
  - ☐ created
  - ☐ created, and every time it's edited
  - ☒ created, and any time it's edited to subsequently meet criteria
- Rule Criteria:** Run this rule if the formula evaluates to true:
  - Example: OwnerId <=> LastModifiedById (0) evaluates to true when the person who last modified the record is not the record owner.
  - Formula: `TODAY() - Valid_To__c = 1`

**Bottom Screenshot:**

- Object:** Meeting
- Rule Name:** Work flow rule 1 day before
- Description:**
- Evaluation Criteria:** Evaluate the rule when a record is:
  - ☐ created
  - ☐ created, and every time it's edited
  - ☒ created, and any time it's edited to subsequently meet criteria
- Rule Criteria:** Run this rule if the formula evaluates to true:
  - Example: OwnerId <=> LastModifiedById (0) evaluates to true when the person who last modified the record is not the record owner.
  - Formula: `Valid_To__c - TODAY() = 1`

**Workflow rule on Class/Batch Object:**


**SETUP**  
**Workflow Rules**


Rule Name	create work flow rule 2 days before valid to date send a reminder email to owner	Object	Batch Scheduling
Active	<input checked="" type="checkbox"/>	Evaluation Criteria	Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria
Description	create work flow rule 2 days before valid to date send a reminder email to owner.		
Rule Criteria	Meeting_ID__r.Valid_To__c - TODAY() = 2		
Created By	Vaishnavidevi M. 1/8/2022, 7:31 AM	Modified By	Vaishnavidevi M. 1/8/2022, 7:36 AM

**Workflow Actions**

**Immediate Workflow Actions**

Type	Description
Email Alert	To alert two days before meeting expiry.

**Time-Dependent Workflow Actions**
[See an example](#)

 You cannot add new time triggers to an active rule. [Deactivate This Rule](#)

## Day 5:

**Topic:** Custom Pages using Visual Force

**Milestone/Activities:** Create visual force pages for course, trainer, meeting, student

**Detailed Description:**

## Screenshots:

Course Page:

← → ↻ projectcom-4e-dev-ed---c.visualforce.com/apex/course

## New Course

Course Name *	<input type="text"/>	Course Category *	--None--
Course Fee *	<input type="text"/>	Duration (In Months) *	--None--
Course Description	<input type="text"/>		

Save

## Trainer Page:

← → ↻ projectcom-4e-dev-ed---c.visualforce.com/apex/Trainer

## New Trainer

Full Name *	<input type="text"/>	Email *	<input type="text"/>
Phone Number *	<input type="text"/>	Whatapp Number	<input type="text"/>
Date of Birth *	<input type="text"/> [ 1/8/2022 ]	Experience *	--None--
Linkedin Profile	<input type="text"/>	Expertise	<input type="text"/>
Age	<input type="text"/>		

Save

```

7 <apex:inputfield value="{!tr.Full_Name__c}" required="true"/>
8 <apex:inputfield value="{!tr.Email__c}" required="true"/>
9 <apex:inputfield value="{!tr.Phone_Number__c}" required="true"/>
10 <apex:inputfield value="{!tr.Whatapp_Number__c}" />
11 <apex:inputfield value="{!tr.Date_of_Birth__c}" required="true"/>
12 <apex:inputfield value="{!tr.Experience__c}" required="true"/>
13 <apex:inputfield value="{!tr.Linkedin_Profile__c}" />
14 <apex:inputfield value="{!tr.Expertise__c}" />
15 <apex:inputfield value="{!tr.Age__c}" />
16 </apex:pageBlockSection>
17 <center><apex:commandButton value="Save" action="{!save}" /></center>
18 </apex:pageBlock>
19 </apex:form>
20 </apex:page>
  
```

## Student Page:

← → ↻ 🔒 projectcom-4e-dev-ed--c.visualforce.com/apex/Student

## New Student

First Name	<input type="text"/>	Last Name *	<input type="text"/>
Email ID	<input type="text"/>	Phone Number	<input type="text"/>
Date of Birth	<input type="text"/> [ 1/8/2022 ]	Whatsapp Number	<input type="text"/>

```
Student
<apex:form>
3  <apex:sectionHeader title="New Student"/>
4  <apex:pageBlock>
5    <apex:pageBlockSection>
6      <apex:inputField value="{!Student__c.First_Name__c}"/>
7      <apex:inputField value="{!Student__c.Last_Name__c}" required="true"/>
8      <apex:inputField value="{!Student__c.Email_ID__c}"/>
9      <apex:inputField value="{!Student__c.Phone_Number__c}"/>
10     <apex:inputField value="{!Student__c.Date_of_Birth__c}"/>
11     <apex:inputField value="{!Student__c.Whatsapp_Number__c}"/>
12   </apex:pageBlockSection>
13   <center><apex:commandButton value="Save" action="{!save}"/></center>
14 </apex:pageBlock>
15 </apex:form>
16 </apex:page>
```

Position: Ln 16, Ch 13    Total: Ln 16, Ch 747

## Meeting Page:

← → ↻ 🔒 projectcom-4e-dev-ed--c.visualforce.com/apex/Meeting

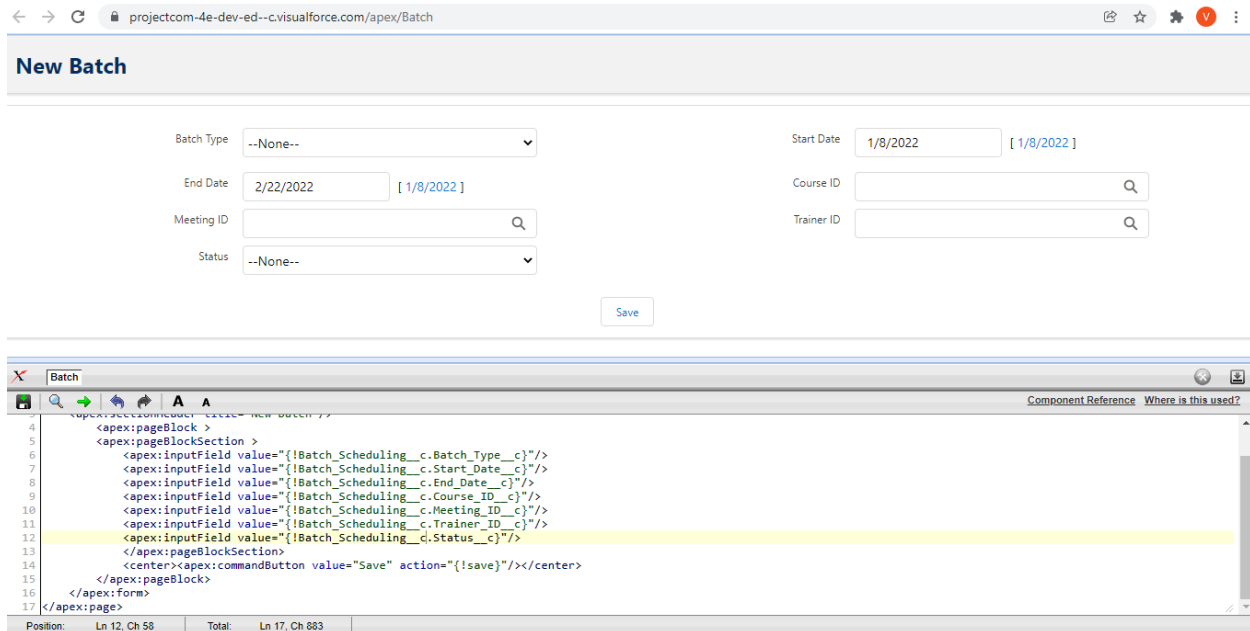
## New Meeting

Valid From	<input type="text"/> 1/8/2022 [ 1/8/2022 ]	Valid To	<input type="text"/> 2/7/2022 [ 1/8/2022 ]
Meeting Link	<input type="text"/>	Active	<input type="checkbox"/>

```
Meeting
1 <apex:page lightningStyleSheets="true" standardController="Meeting__c">
2   <apex:form>
3     <apex:sectionHeader title="New Meeting"/>
4     <apex:PageBlock>
5       <apex:PageBlockSection>
6         <apex:inputField value="{!Meeting__c.Valid_From__c}"/>
7         <apex:inputField value="{!Meeting__c.Valid_To__c}"/>
8         <apex:inputField value="{!Meeting__c.Meeting_Link__c}"/>
9         <apex:inputField value="{!Meeting__c.Active__c}"/>
10      </apex:PageBlockSection>
11      <center><apex:commandButton value="Save" action="{!save}"/></center>
12    </apex:PageBlock>
13  </apex:form>
14 </apex:page>
```

Position: Ln 14, Ch 13    Total: Ln 14, Ch 615

## Batch - standard controller page:



**Day 8:**

**Topics: Triggers**

**Milestone/Activities:** Triggers for Trainer, Student, Meeting

**Detailed Description:**

**Screenshots:**

Information

Trainer ID

Owner

\* Full Name

Vaish

Date of Birth

1/25/2006

Age should be more than 25

Email

Additional Information

Phone Number

Whatapp Number

Experience

Linkedin Profile

Artise

ⓘ We hit a snag.

Review the following fields

- [Date of Birth](#)

⊘

Cancel

Save & New

Save

**Student:**



### New Student

Information

\* Student Name

Nave

First Name

Last Name

Date of Birth

1/11/2006

Owner

Vaishnavidevi M

Email ID

Phone Number

Whatsapp Number

Age should be more than 16

Student Info

Student ID

Enrollment Date

1/14/2022

We hit a snag.

Review the following fields

- [Date of Birth](#)

Cancel

Save & New

Save

## Meeting:

### New Meeting

Information

\* Meeting Name

new meet2

Meeting Id

Meeting Link

Active

☐

Owner

Vaishnavidevi M

Valid From

1/13/2022

Valid To

1/24/2022

Minimum 14 days difference should be present between one meeting

We hit a snag.

Review the following fields

- [Valid From](#)

Cancel

Save & New

Save

