

Creation Of An Application For School Management - Developer - (Short-Term)

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1.Object

A) Creation Of School Object creation of Objects for School Management:

Step1: Click on the gear icon and then select setup.

Step2: Click on the object manager tab just beside the home tab.

Step3: After the above steps, have a look on the extreme right you will find a Create Dropdown click on that and select Custom Object.

Step4: On the custom object Definition page, create the object as follows:

- a) Label: School
- b) Plural Label: Schools
- c) Record name: School name
- d) Check the Allow reports checkbox
- e) Check the allow Search check box
- f) Click save

The screenshot shows the Salesforce 'Edit Custom Object' page for an object named 'School'. The page is titled 'Custom Object Definition Edit' and includes a 'Save' button, a 'Save & New' button, and a 'Cancel' button. The 'Custom Object Information' section contains the following fields:

- Label:** School (Example: Account)
- Plural Label:** Schools (Example: Accounts)
- Starts with vowel sound:** ☐
- Object Name:** School (Example: Account)
- Description:** (Empty text area)
- Context-Sensitive Help Setting:** ☒ Open the standard Salesforce.com Help & Training window, ☐ Open a window using a Visualforce page
- Content Name:** --None--

The page also features a sidebar with navigation links: Home, Chatter, Libraries, Content, Subscriptions, Students, Parents, Schools, and a search bar. The bottom of the page shows the Windows taskbar with the time 14:33 and date 16-10-2023.

Now create a custom Tab. Click the Home Tab.

B) Create Student Object

Step1: Click on the gear icon and then select setup.

Step2: Click on the object manager tab just beside the home tab.

Step3: After the Above steps , have a look on the extreme right You will find a create dropdown click on that and select custom object .

Step4: on the custom object definition page create the object as follows:

- a) Label: Student
- b) Plural Label: Students
- c) Record Name: Student Name
- d) Check the allow reports check box
- e) Check the Allow search check box
- f) Click save.

Now create a custom tab. click home tab, enter tabs in quick find and select tabs. Under custom object Tabs, click new.

1. For object, select students
2. For tab style , select any icon
3. Leave all defaults as is. Click next, next, and save.

C) Create parent object:

Click on the gear icon and then select setup.

Step1: Click on the object manager tab just beside the home tab.

Step2: After the above steps, have a look on the extreme right you will find a create dropdown click on that and select custom object.

Step3: On the custom object definition page, create the object as follows :

- a) Label: parent
- b) Plural label: parents
- c) Record name: parent name
- d) Check the allow reports check box
- e) Check the allow search check box
- f) Click save.

Now create a custom tab .click the home tab, enter tabs in quick find and select tabs .under custom object tabs, click new .

- 1.for object, select parents.
- 2.for tab style,select any icon.
- 3.leave all defaults as is. Click next, next, and save.

2. Lighting app

A) create the school management app

Step1: from setup, enter app manager in the quick find And select app manager .

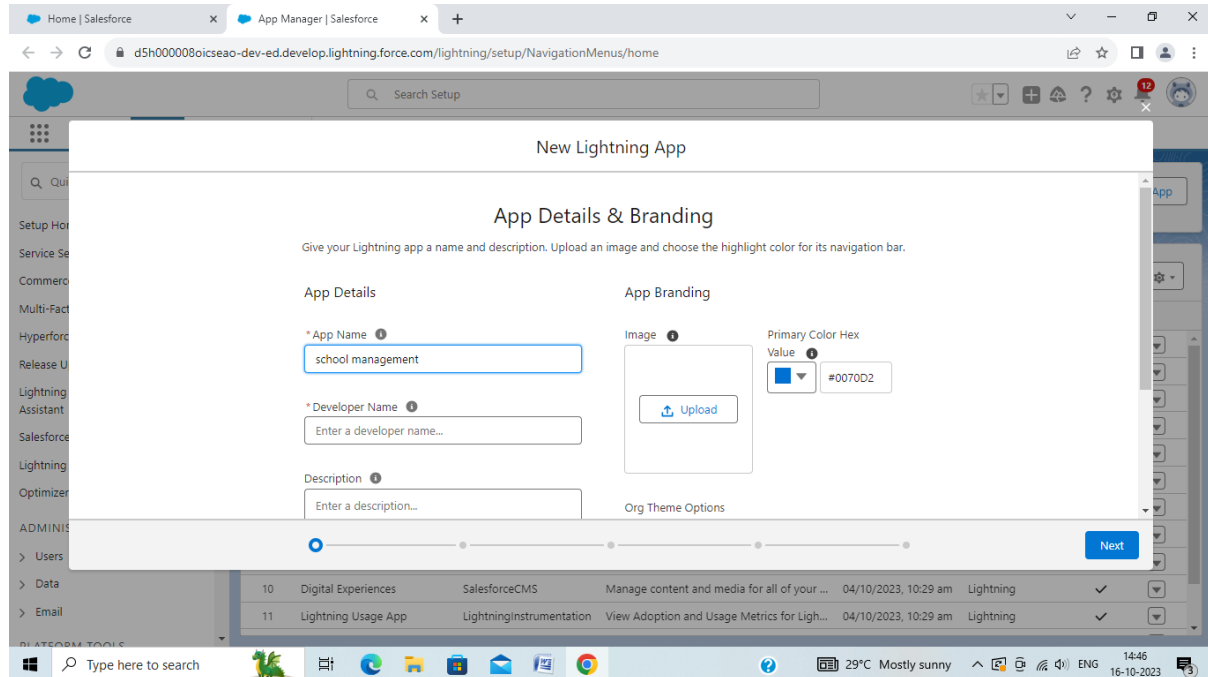
Step2: click new lightning app.

Step3: enter school management as the app name, then click next.

Step4: under app option leave the default selection and click next.

Step5: under utility items, leave as is and click next.

Step6: from available items, select schools, student, parent, reports, dashboards and move them to selected items. Click save and finish.



3.Field and Relationship

A) creation of field for the School objects:

Step1: Click the gear icon and select setup. This launches setup in a new tab.

Step2: Click the object manager tab next to home.

Step3: Select School.

Step4: Select Field relationship From the left navigation.

Step5: click new.

Step6: select the text area as the data type, Click next.

Step8: Click next, next, and save and new.

Step9: Follow steps 1 to 3 and create two more text type field –District and state.

Step10: create URL type field and give school website as the field label.

B) creation of fields for the student objects:

Let create a master-detail relationship with School object

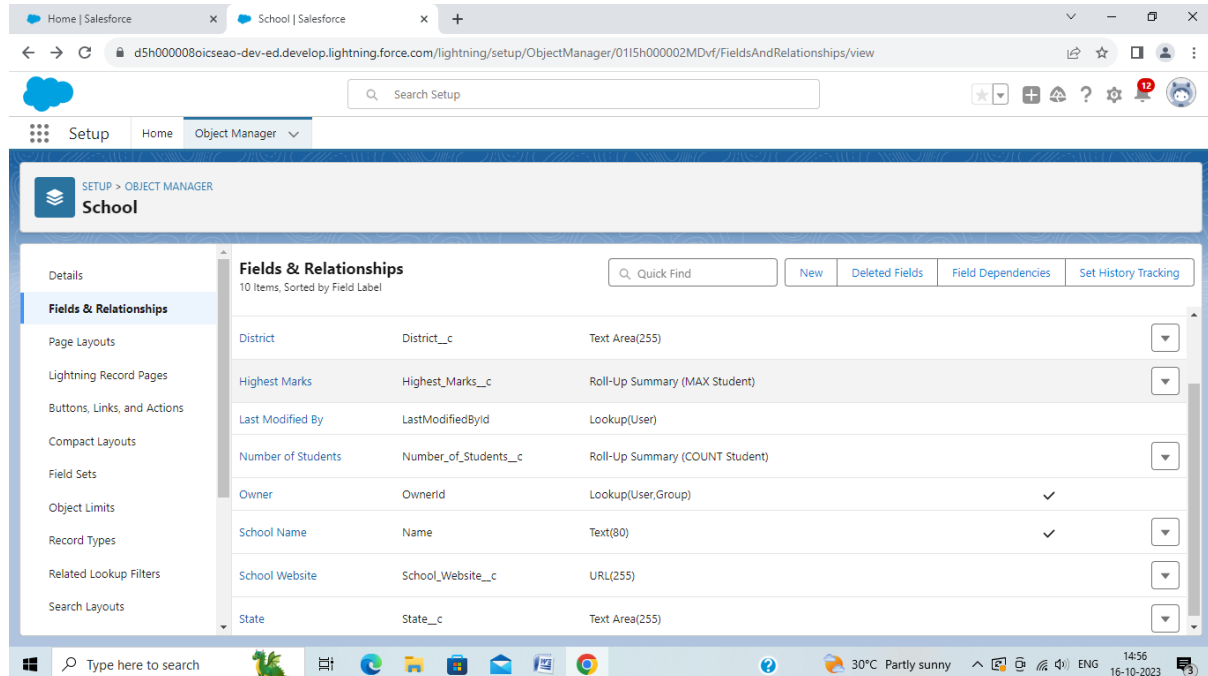
Step1: Select master detail relationship as the data type and click next.

Step2: for related to, enter school.

Step3: click next

Step4: For field Label, enter school.

Step5: click next, next, next, and save.



Let create a pick list field:

Step1: From setup, click object manager and select student.

Step2: Click fields and relationship ,then new.

Step3: select pick list as the data type and click next.

Step4: for field label enter results.

Step5: select enter values, with each values separated by a new line and enter this values:

Pass

Fail

Step6: click next, next, then save and New.

Let create a number field:

Step1: select the number as the data type then click next.

Step2: for field label, enter class

Step3: click next , next , then save and new

Step4: follow steps 1 through 3 and create one more number field with marks as the field labels.

Let create roll up summary fields School objects to calculate the number of students

Step1: click gear icon select setup, this launches setup in a new tab.

Step2: click object manager

Step3: select school

Step4: click fields and relationship

Step5: click new.

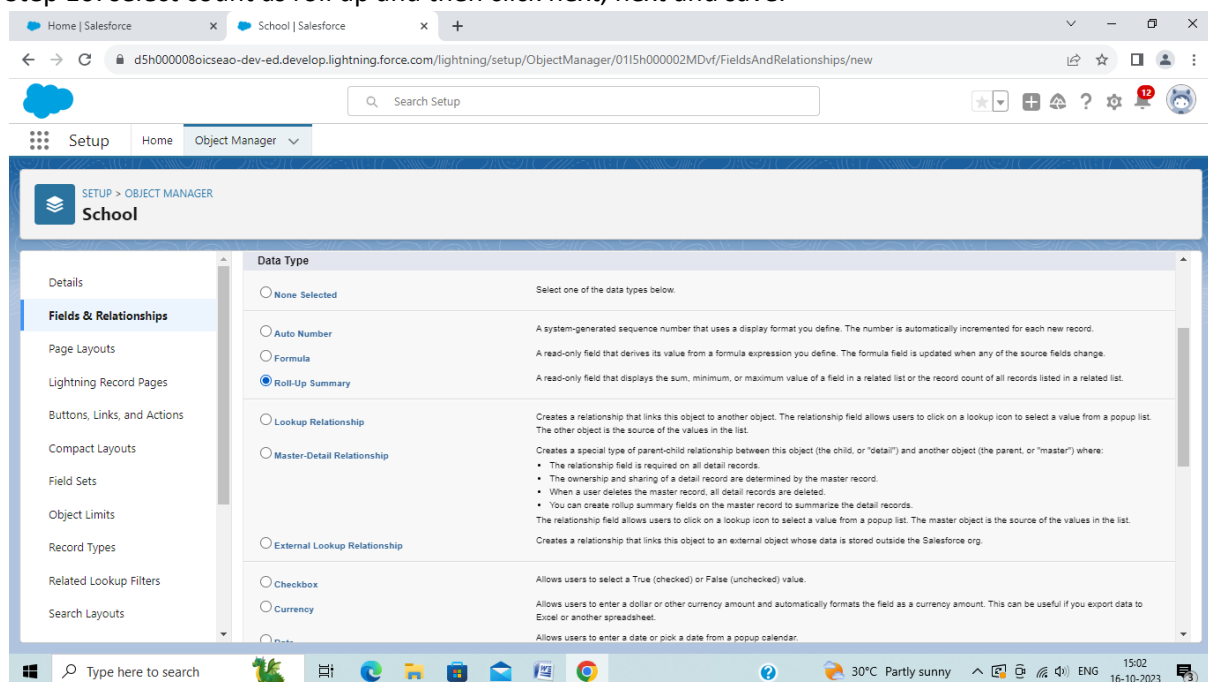
Step6: select the roll up summary field as data type

Step7: enter the field label as number of students

Step8: click next

Step9: then select the master object summarized as Students

Step 10: select count as roll up and then click next, next and save.



Create one more roll up summary field:

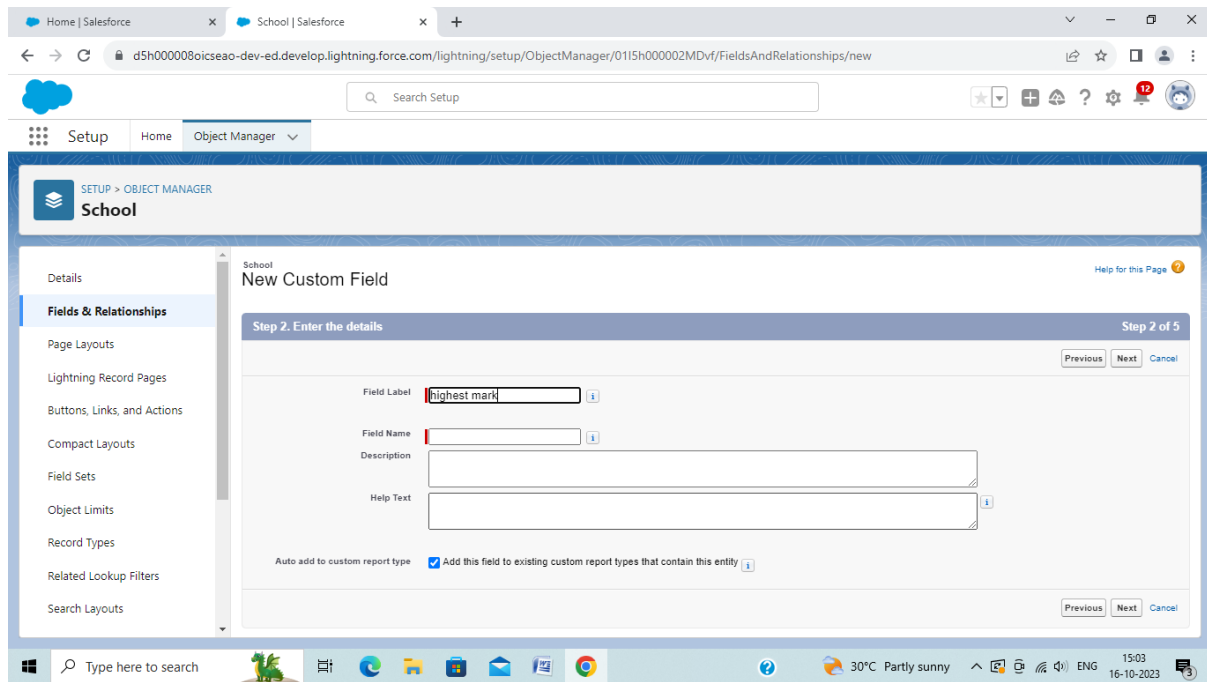
Step1: click object manager and select school

Step2: click field relationship then new

Step3: select the roll up summary field as data type

Step4: enter the field label as highest marks

Step5: click next



Creation of fields for the parent object:

Step1: Select the text area as the data type, then click next.

Step2: for field label, enter parent address

Step3: click next, next, and save and new

Step4: select the phone as the data type then click next

Step5: for field label, enter parent number

Step6: next, next, save and next.

Profile

A profile is a group/collection of settings and permissions that define what a user can do in salesforce. A profile controls "Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visualforce page access, Page layouts, Record Types, Login hours & Login IP ranges

Creation On Profile

- From Setup enter Profiles in the Quick Find box
- Select Profiles.
- Click new, From the list of profiles, find Standard User (profile to clone)

- For Profile Name, enter School Profile
- Click Save.
- While still on the School profile page, then click Edit.
- Scroll down to Custom Object Permissions and Give view all access permissions.

