

ECS04: Declarative Model I

1. Create the following Custom Objects along with the details as mentioned below:

DEPARTMENT

Sr. No.	Field Name	Field Type	Description
1	Department ID	Auto Number	DEP-{000000}
2	Department Name	Text(80)	
3	Description	Text Area	

EMPLOYEE

Sr. No.	Field Name	Field Type	Description
1	Employee ID	Auto Number	EMP-{000000}
2	First Name	Text	Mandatory
3	Last Name	Text(255)	Mandatory
4	Full Name	Formula (Text)	Computed from First Name and Last Name fields
5	Date of Birth	Date	Mandatory
6	Age	Formula (Number)	Compute the Age based on entered DOB
7	Address	Text (100)	
8	Street	Text (100)	
9	City	Picklist	(Hyderabad, Guntur, Bhopal, Surat, Gandhi Nagar, Mumbai, Pune) Picklist dependent on State i.e. if Maharashtra is selected as the State only Mumbai and Pune show up in the City picklist
10	Zip	Text(6)	Mandatory
11	State	Picklist	Values: (AP, MP, Maharashtra, Gujarat) – Mandatory
12	Education	Picklist	BE, ME, B Tech., MCA, BCA, B Sc.
13	Annual CTC	Number (10, 2)	
14	Salary Credited Till Date	Roll Up Summary	SUM(Gross Salary)
15	Is Active	Checkbox	Default: Checked
16	Status	Formula (Text)	Provide the following color coding depending upon the status of the Employee Green – Employee is active Yellow – Employee is active but on Notice Period Red – Employee is inactive (Hint: Use “/img/samples/color_red.gif” and IMAGE function)
17	Is on Notice Period	Checkbox	Default – TRUE
18	Date of Joining	Date	Required

19	Last Working Day	Formula (Date)	Calculated as Resignation Date + 60 days
20	Manager	Lookup (Employee)	
21	Resignation Date	Date	Enter the date if Notice Period checked to true
22	Department	Lookup (Department)	

SALARY DETAILS

Sr. No.	Field Name	Field Type	Description
1	Salary ID	Auto Number	Format: SAL-{000000}
2	Basic	Number(10, 2)	Mandatory
3	HRA	Number(10, 2)	Mandatory
4	Special Allowance	Number(10, 2)	Mandatory
5	PF Deduction	Number(10, 2)	Mandatory
5	Total Earnings	Formula (Number)	Basic + HRA + Special Allowance
6	Gross Salary	Formula (Number)	Total Earnings - PF
7	Salary Credit Date	Date	Mandatory
8	Bank Account Number	Text (25)	Mandatory
9	Bank Details	Text (100)	Mandatory
10	Mode of Payment	Picklist	RTGS, NEFT, Cheque, Cash
11	Credited To	Master-Detail(Employee)	

2. Create Custom Tabs for the following Objects:

- Department
- Employee

3. Create a Related List for Salary Details which would be shown on the detail page of an Employee.
Following columns should be shown on the Related List:

- Salary ID

- Total Earnings
 - Gross Salary
 - Salary Credit Date
 - Bank Account Number
 - Mode of Payment
 - Bank Details
4. Create a Custom Application named “Payroll System” having the following Tabs – Employee and Department. The Landing tab for the App should be Employee. Provide an appropriate logo for the App.
 5. Check and identify the record IDs for Employee and Department records. Try accessing the Salary Details record by using the Record ID in the URL.
 6. Customize the Page layout for Employee to have the following
 - a. Organize the fields and group them into the following sections – Employee Details, Address Details, Salary Details, Department Details
 - b. Only the following Related Lists should be visible – Salary Information with the following columns in the said order (Salary Credit Date, Basic, HRA, Special Allowance, Total Earnings, Gross Salary, Mode of Payment)
 - c. Layout the fields in 2 columns
 7. Customize the Salary Page Layout to have the following
 - a. Organize the Salary page into the following sections – Payment Details, Salary Deduction Details, Bank Details, Salary Credit Details
 - b. Layout the fields in 2 columns
 8. Customize the Department Page Layout to have the following
 - a. Organize the Department page into the following sections – Department Details
 - b. Layout the fields in 1 column
 9. Create List Views to display the following
 - All Active Employees (First Name, Last Name, Designation, Date of Joining, Last Working Day,)

- All Employees on Notice Period
- All Inactive Employees

10. Validation rule :

- If notice period is checked to true, resignation date cannot be null.
- Last working date cannot be greater than joining date.
- Bank Account number once set cannot be changed.
- Bank account details cannot be null.

11. On Contact Object create 2 record types: Fresher and Experienced. Create fields and page layouts accordingly and assign it to their desired record types using page layouts.

12. Create 2 record types for an employee – Technical and Non-Technical. Depending upon the selection of the type of employee selected, the list of values in the Skills or Expertise fields should change

- a. Technical – C#, Java, Apex, Salesforce, Force.com, QA, Dot Net, PHP (All values should appear in an alphabetically sorted order.)
- b. Non-Technical – Project Management, Operations, HR, Project Planning (All values should appear in an alphabetically sorted order.)

13. AW Computing wants a way to distribute all new generated leads to two different queues that is Pune Sales and Mumbai Sales Team.

- a. If lead city is Pune then route the lead to Pune sales team.
- b. If lead city is Mumbai then route the lead to Mumbai sales team else System Admin.