

Employee Registration Form

Database Design-

- a) Design two tables employees and departments where emp_id and dept_id are primary key respectively. (use auto increment property)
- b) dept_id in employees table is a foreign key which refers to dept_id in departments table.
- c) isDelete in employees table is a soft delete flag which stores
 - 'yes' - means record is deleted
 - 'no' - means record is active
- d) insert some departments to departments table like 'Sales', 'Production', 'IT' etc. from database side.

Note:- for all other attributes details see the grid view in web page image, which is self explanatory.

Web Application Design-

- 1) design two sections namely Employee Details and Employees List as shown in image.
- 2) Employee Details section contains
 - 2(a) form related to employee information in different form controls as shown in image.
 - 2(b) on form loading populate the Dept Name select box by taking the names from departments table, but on selection respective dept_id must be generated as value.
 - 2(c) on clicking Save button the respective record must be saved in employees table.

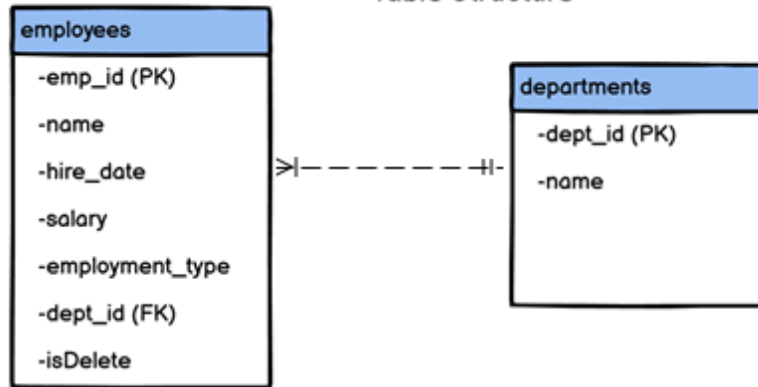
Note:- Use of bootstrap is mandatory for design. Use proper form validation using java script/JQuery. After each event proper success/failure message must be displayed.

- 3) Employees List section contains
 - 3(a) a grid view of all employees list as shown in image with a serial no attribute.
 - 3(b) hire date and salary must show formatted output as shown in image.
 - 3(c) same grid-view report will be downloaded as .pdf document upon clicking the download as pdf button

Recommendation:

- Use of Store Procedure in database side is preferable.
- Use of Exception Handling is a must.
- Implementation of layered architecture is preferable. (i.e. Controller, Service, Data Access)

Table Structure



Web Page Structure

Employee Management Form

Employee Details

Name Hire Date Salary

Dept Name Employment Type ☒ Contractual ☐ Permanent

Employees List



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Sl. #	Name	Hire Date	Salary	Department name	Employment Type
1	Amit Kumar Sahoo	06-Jan-1998	5000.00\$	Sales	permanent
2	Sumit Ranjan Das	26-Feb-1999	5600.00\$	Production	contractual
3	Kaman Kant Behera	21-Nov-2009	7600.00\$	IT	permanent
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