**.Net Assignment (50 hrs.):**

We need to create a .net MVC project to manage Employee information. Below are the database assignments. We will access same database from the code assignment.

**Database Requirements**

* We need to store employee information (first name, last name, employee id, birthdate, email, employment date, address, city, state, country
* We need to store employee’s skill information, skills can be Dot net, java, Angular, React, JavaScript, jQuery, html, CSS
* An employee can have multiple skills
* We also need to store employee’s payroll information (basic, ta, da, bonus). Note – basic+ta+da+bonus will be gross salary.

1. Create tables to store above information. Think about normalization and divide data into multiple tables with proper relationship within tables.
2. Write a function to return gross annual salary
3. Write a view to get employee id, first name, last name, and gross salary (use function created in #2)
4. Write a store procedure to insert, update & delete employee record
5. Write a query to display employees with their gross salary in descending order
6. Write a query to display employees who have bonus.

**Dot net MVC Project Requirements**

* Create an index view which will display list of employees present. Each row should have edit and delete button. Give a link at top of list to add new employee.
* On click of edit button, user should get edit employee page where the user can modify employee information.
  + Use all kind of validations to the edit form
* On click of delete button, user should get a confirmation popup with ok, cancel button. On ok click, delete the employee from the database.
  + Use JavaScript/jQuery to show confirmation popup
  + To delete employee, use same store procedure create during database assignment
* On click of add new employee link, user should get a new page where new employee information can be added.
  + Validate data entered by user
  + Use same database store procedure create to insert record in database assignment
* Try to use singleton pattern for database connection
* Try to follow standard coding practices like variable naming convention, method/function naming convention
* You can use ADO .Net for the assignment and then you can do same with Entity Framework to explore.
* Do not focus on UI of the pages (simple table to show list is also fine). This is to make sure you understand the concepts.
* There is no one correct answer/solution to this assignment. Every person can have different solution and all the solutions could be correct as long as they satisfy the requirement.