Task: Develop a simple HRM (Human Resource Management) application using REST API and RDMS. In the sample application, there will be two business entities: Employee and Employees Leave Record.

What you have to do (Use Cases):

Case 1: User will be able to Add/Edit/Delete/View/Search an Employee Record.

Case 2: User will be able to manage Leave records for Employees.

Key Points:

Point 1: Implement Database level paging for List/Grid view

Point 2: Implement dynamic record Searching facility

Class Diagram:

Employee
Id
First Name
Middle Name
Last Name
Date of Birth
Joining Date
Designation
Department

Leave
Id
Employee Id
Leave Type
Description
Start Date
End Date

Technology:

1. **Application:** ASP.NET Core 3.1 Web API as Backend and Angular 8/9 as Frontend are preferable. But, you will have the flexibility to choose any technology stack for Backend and Frontend.
2. **Database:** SQL Server/PostgreSQL is preferable. But again, you will have the flexibility to choose any database of your preference.

What we are going to assess:

1. Coding Architecture
2. Memory Management
3. Performance
4. Coding Best Practices