**Assignment Event C# Advanced**

**Company will Lay off All Type of Employees in Two Cases**

**if Employee Vacation Stock < 0**

**If Employee Age > 60**

**class Employee**

**{**

**public event**

**EventHandler<EmployeeLayOffEventArgs> EmployeeLayOff;**

**protected virtual void OnEmployeeLayOff**

**(EmployeeLayOffEventArgs e)**

**{**

**throw new NotImplementedException();**

**}**

**public int EmployeeID { get; set; }**

**public DateTime BirthDate**

**{**

**get { throw new NotImplementedException(); }**

**set { throw new NotImplementedException(); }**

**}**

**public int VacationStock**

**{**

**get { throw new NotImplementedException(); }**

**set { throw new NotImplementedException(); }**

**}**

**public bool RequestVacation (DateTime From , DateTime To)**

**{**

**throw new NotImplementedException();**

**}**

**public void EndOfYearOperation ()**

**{**

**throw new NotImplementedException();**

**}**

**}**

**enum LayOffCause**

**{ ///Implement it YourSelf }**

**public class EmployeeLayOffEventArgs**

**{**

**public LayOffCause Cause { get; set; }**

**}**

**Department**

** Employee should be removed from Department Staff List in both**

**Cases**

** If Employee Vacation Stock < 0**

** If Employee Age > 60**

**class Department**

**{**

**public int DeptID { get; set; }**

**public string DeptName { get; set; }**

**List<Employee> Staff;**

**public void AddStaff (Employee E)**

**{**

**throw new NotImplementedException();**

**///Try Register for EmployeeLayOff Event Here**

**}**

**///CallBackMethod**

**public void RemoveStaff (object sender ,**

**EmployeeLayOffEventArgs e)**

**{**

**throw new NotImplementedException();**

**}**

**}**