* 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();

} }

# Club

* Employee should be removed from Club Member List Only if Employee Vacation Stock < 0.
* If Employee Age > 60 will still remain a Member of Company Club

Class Club {

public int ClubID { get; set; } public String ClubName { get; set; }

List<Employee> Members;

public void AddMember(Employee E)

{

throw new NotImplementedException(); ///Try Register for EmployeeLayOff Event Here

}

///CallBackMethod public void RemoveMember

(object sender, EmployeeLayOffEventArgs e)

{

throw new NotImplementedException();

///Employee Will not be removed from the Club if Age>60

///Employee will be removed from Club if Vacation Stock < 0 }

}