**Cognite Web developer Technical Test – Managing Customer Orders**

Tasks

Compulsory

1. Create a MS SQL Server 2008/2012 database with two tables namely Customer and Orders. A Customer can have many orders.  
   The Customer table should contain the following information: CustomerId, Firstname, LastName, Email and Phone.

The Order Table should contain the following information: OrderId, OrderName, OrderDate, and a flag to determine if the Order is Paid or not.

1. Create a Webpage that displays a list of all customers in the database. The list should be displayed in a grid format.
2. For each customer in the List, provide a link to view all their orders
3. Provide functionality to allowing searching the list of customers by name.
4. Provide a way to update details of a customer.

What we are looking for

Core

* MVC 4
* Good demonstrable knowledge of OOP concepts.
* Application Layering

Desirable

* ORM
* Modular Code
* IOC
* Unit Testing

Instructions

* You will provide the solution in Visual Studio 2010/2012 using C#.
* Please email the completed solution as a zip file in the format [Your name].zip to the following email address [ali.raza@cognite.co.uk](mailto:ali.raza@cognite.co.uk)
* Note: The zip file should also contain a backup of your database.
* If you have any questions regarding the tasks or instructions, please forward them to [ali.raza@cognite.co.uk](mailto:ali.raza@cognite.co.uk)