Layer 1: Data Access Layer (DAL)

First, we will create a DAL class for each entity. We will name each DAL class using this naming pattern: EntityDAL. Let us see the CustomerDAL class:

```
using DomainModel.BL;
namespace DomainModel.DAL
{
    public class CustomerDAL
    {
        public static void AddCustomer(Customer cs)
        {
            using (SqlConnection con =
                  new SqlConnection(SQLHelper.GetConnectionString()))
            {
                SqlParameter[] par = new SqlParameter[4];
                par[0] = new SqlParameter("@customerID", cs.ID);
                par[0].Direction = ParameterDirection.Output;
                par[1] = new SqlParameter("@name", cs.Name);
                par[2] = new SqlParameter("@address", cs.Address);
                par[3] = new SqlParameter(
                         "@phoneNo", cs.PhoneNumber);
                int rowNo = SQLHelper.ExecuteNonQuery(
                            con, CommandType.StoredProcedure,
                            "OMS_AddCustomer", par);
                cs.ID = Convert.ToInt32(par[0].Value);
            }
        }
        public static void DeleteCustomer(int customerID)
        {
            using (SqlConnection con =
            new SqlConnection(SQLHelper.GetConnectionString()))
            {
                SqlParameter[] par = new SqlParameter[1];
                par[0] = new SqlParameter("@customerID", customerID);
                int rowNo = SQLHelper.ExecuteNonQuery(
                con, CommandType.StoredProcedure,
                "OMS_DeleteCustomer", par);
            }
        }
        public static void UpdateCustomer(Customer cs)
        {
            using (SqlConnection con = new
            SqlConnection(SQLHelper.GetConnectionString()))
            {
                SqlParameter[] par = new SqlParameter[4];
                par[0] = new SqlParameter("@customerID", cs.ID);
                par[1] = new SqlParameter("@address", cs.Address);
                par[2] = new SqlParameter("@name", cs.Name);
                par[3] = new SqlParameter(
                         "@phoneNo", cs.PhoneNumber);
                int rowNo = SQLHelper.ExecuteNonQuery(
                            con, CommandType.StoredProcedure,
                            "OMS_UpdateCustomer", par);
            }
        }
        public static void GetCustomer(Customer cs)
        {
            using (SqlConnection con =
                  new SqlConnection(SQLHelper.GetConnectionString()))
            {
                SqlParameter[] par = new SqlParameter[1];
                par[0] = new SqlParameter("@customerID", customerID);
                using (SqlDataReader dr =
                       SQLHelper.ExecuteReader(con,
                       CommandType.StoredProcedure,
                       "OMS_GetCustomer", par))
                {
                    c = new Customer();
                    while (dr.Read())
                    {
                        c.Name =
                        SQLHelper.CheckStringNull(dr["Name"]);
                        c.PhoneNumber =
                        SQLHelper.CheckStringNull(dr["PhoneNo"]);
                        c.Address =
                        SQLHelper.CheckStringNull(dr["Address"]);
                        c.ID = SQLHelper.CheckIntNull(dr["ID"]);
                    }
                }
            }
        }
        public static List<Customer> GetAllCustomers()
        {
            List<Customer> cuList = new List<Customer>();
            using (SqlConnection con =
                  new SqlConnection(SQLHelper.GetConnectionString()))
            {
                using (SqlDataReader dr =
                SQLHelper.ExecuteReader(con,CommandType.
                StoredProcedure,"OMS_GetAllCustomer"))
                {
```