### iProduct

ProductID: Guid ProductName: string ProductStock: int ProductSize: string ProductColour: string ProductTechSpecs: string

CostPrice : double SellingPrice : double ProductDiscount : double

## Product

+ ProductID: Guid + ProductName: string

+ CategoryName : Category

+ ProductStock: int + ProductSize : string

+ ProductColour : string

+ ProductTechSpecs : string

+ CostPrice : double +SellingPrice : double

+ ProductDiscount : double

## ProductDALBase

+ abstract AddProductDAL(Product newProduct) : bool

+ abstract GetAllProductsDAL(): List<Product>

+ abstract GetProductByProductIDDAL(Guid

searchProductID): Product

+ abstract GetProductsByNameDAL(string ProductName)

: List<Product>

+ abstract GetProductsByCategoryDAL(Category categoryName): List<Product>

+ abstract UpdateProductDAL(Product updateProduct) : bool

+ abstract UpdateProductStockDAL(Product updateProduct): bool

+ abstract DeleteProductDAL(Guid deleteProductID) : bool

## ProductDAL

+ AddProductDAL(Product newProduct) : bool

+ GetAllProductsDAL(): List<Product>

+ GetProductBvProductIDDAL(Guid searchProductID): Product

+ GetProductsByNameDAL(string ProductName): List<Product>

+ GetProductsByCategoryDAL(Category categoryName): List<Product>

+ UpdateProductDAL(Product updateProduct) : bool

+ UpdateProductStockDAL(Product updateProduct) : bool

+ DeleteProductDAL(Guid deleteProductID): bool

## **IProductBL**

AddProductBL(Product newProduct): Task<bool>

GetAllProductsBL(): Task<List<Product>>

GetProductByProductIDBL(Guid searchProductID):

Task<Product>

GetProductsByNameBL(string ProductName):

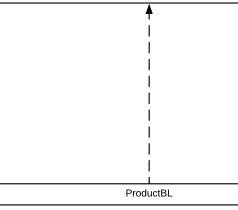
Task<List<Product>>

GetProductByCategoryBL(Category CategoryName):

Task<List<Product>>

UpdateProductBL(Product updateProduct): Task<br/>bool> DeleteProductBL(Guid deleteProductID): Task<br/>bool>

UpdateProductStockBL(Product updateProduct): Task<bool>



- + AddProductBL(Product newProduct): Task<bool>
- + GetAllProductsBL(): Task<List<Product>>
- + GetProductByProductIDBL(Guid searchProductID): Task<Product>
- + GetProductsByNameBL(string ProductName):

Task<List<Product>>

+ GetProductByCategoryBL(Category CategoryName): Task<List<Product>>

+ UpdateProductBL(Product updateProduct) :

Task<br/>bool> + DeleteProductBL(Guid

deleteProductID): Task<bool>

+ UpdateProductStockBL(Product updateProduct): Task<br/>bool>

# **ISalesPerson**

SalesPersonID : Guid SalesPersonName : string SalesPersonMobile : string

Email: string
Password: string

SalesPersonSalary: double SalesPersonBonus: double JoingDate: DateTime LastModifiedDateTime:

DateTime

# SalesPerson

# + SalesPersonID : Guid

+ SalesPersonName : string

+SalesPersonMobile : string + Email : string

+ Email: string + Password: string

+ SalesPersonSalary : double + SalesPersonBonus : double

+ JoingDate : DateTime

+ LastModifiedDateTime : DateTime

# SalesPersonDALBase

# static salesPersonList: List<SalesPerson>

- + abstract AddSalesPersonDAL(SalesPerson newSalesPerson) : bool
- + abstract GetAllSalesPersonsDAL() : List<SalesPerson>
- + abstract GetSalesPersonBySalesPersonIDDAL(Guid

searchSalesPersonID): SalesPerson

- +abstract GetSalesPersonsByNameDAL(string salesPersonName): List<SalesPerson>
- + abstract GetSalesPersonByEmailDAL(string email) : SalesPerson
- + abstract

GetSalesPersonByEmailAndPasswordDAL(string email, string password) : SalesPerson

- + abstract UpdateSalesPersonDAL(SalesPerson updateSalesPerson) : bool
- + abstract

UpdateSalesPersonPasswordDAL(SalesPerson

updateSalesPerson): bool

+ abstract DeleteSalesPersonDAL(Guid

deleteSalesPersonID): bool



- + AddSalesPersonDAL(SalesPerson newSalesPerson) : bool
- + GetAllSalesPersonsDAL(): List<SalesPerson>
- + GetSalesPersonBySalesPersonIDDAL(Guid searchSalesPersonID) : SalesPerson
- + GetSalesPersonsByNameDAL(string salesPersonName) : List<SalesPerson>
- + GetSalesPersonByEmailDAL(string email): SalesPerson
- + GetSalesPersonByEmailAndPasswordDAL(string email, string password) : SalesPerson
- + UpdateSalesPersonDAL(SalesPerson updateSalesPerson) : bool
- + UpdateSalesPersonPasswordDAL(SalesPerson updateSalesPerson) : bool
- + DeleteSalesPersonDAL(Guid deleteSalesPersonID) : bool

# **ISalesPersonBL**

AddSalesPersonBL(SalesPerson newSalesPerson): Task<br/>bool>

GetAllSalesPersonsBL(): Task<List<SalesPerson>>

 ${\tt GetSalesPersonIDBL} ({\tt Guid\ searchSalesPersonID}):$ 

Task<SalesPerson>

GetSalesPersonsByNameBL(string salesPersonName):

Task<List<SalesPerson>>

GetSalesPersonByEmailBL(string email): Task<SalesPerson> GetSalesPersonByEmailAndPasswordBL(string email, string password):Task<SalesPerson>

DeleteSalesPersonBL(Guid deleteSalesPersonID) : Task<br/>
GetSalesHistoryBL(Guid salesPersonID) : Task<List<Order>>



# SalesPersonBL

- +AddSalesPersonBL(SalesPerson newSalesPerson) : Task<br/>bool>
- + GetAllSalesPersonsBL(): Task<List<SalesPerson>>
- + GetSalesPersonBySalesPersonIDBL(Guid searchSalesPersonID) : Task<SalesPerson>
- + GetSalesPersonsByNameBL(string salesPersonName) : Task<List<SalesPerson>>
- + GetSalesPersonByEmailBL(string email) :

Task<SalesPerson>

- + GetSalesPersonByEmailAndPasswordBL(string email, string password):Task<SalesPerson>
- + UpdateSalesPersonBL(SalesPerson

updateSalesPerson): Task<bool>

- +UpdateSalesPersonPasswordBL(SalesPerson updateSalesPerson) : Task<br/>
  bool>
- + DeleteSalesPersonBL(Guid deleteSalesPersonID) : Task<br/>bool>
- + GetSalesHistoryBL(Guid salesPersonID) :
  Task<List<Order>>