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| <<Java Interface>>  ProductService.java |
| addProduct(Product product): boolean  deleteProduct(Product product): boolean  editProduct(Product product): boolean  viewAllProduct(): List<Product> |

Product Management Interface design

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| <<Java Interface>>  ProductDAO.java |
| addProduct(Product product): boolean  deleteProduct(Product product): boolean  editProduct(Product product): boolean  viewAllProduct(): List<Product>  viewById(long id): Product |

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| <<Java Class>>  ProductDTOImpl.java |
| addProduct(Product product): boolean  deleteProduct(Product product): boolean  editProduct(Product product): boolean  viewAllProduct(): List<Product>  viewById(long id): Product |

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| <<Java Class>>  ProductServiceImpl.java |
| addProduct(Product product): boolean  deleteProduct(Product product): boolean  editProduct(Product product): boolean  viewAllProduct(): List<Product> |

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| <<Java Class>>  ProductDTO.java |
| productID : String  price : Double  colour : String  dimensions : String  specification : String  manufacturer : String  quantity : int  productCategory : int  productName : String |

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| <<Java Class>>  ProductServiceTest.java |
| addProductTest(Product product): boolean  deleteProductTest(Product product): boolean  editProductTest(Product product): boolean  viewAllProductTest(): List<Product> |