**Introduction**

The title of this project is “Stock Management System (SMS)”. Stock Management System (SMS) developed in order to control stocks in warehouse. It settled the problem that the warehouse’s workers had regarding adding, removing and updating stocks. This system has one superclass and two subclasses which are Stock (Superclass), Electronic (Subclass) and Fabric (Subclass). This system also has five interfaces in total.

**Objectives**

* To ease the workers to manage stocks.
* To make a justifiable interface for the workers to use.
* To improve the productivity of the workers.

**UML Diagram**

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| --- |
| Stock |
| -Name : String  -ProductID : int  -Category : int  -Price : double |
| +Stock  +Stock (Name : String, ProductID : int, Price : double, Category : int)  +getName () : String  +getProduct () : int  +getQuantity () : int  +getPrice () : double  +getCategory () : String  +setName (NewName : String) : void  +setProductID (NewProductID : int) : void  +setQuantity (NewQuantity : int) : void  +setPrice (NewPrice : double) : void  +setCategory (NewCategory : int) : void |

|  |
| --- |
| Electronic |
| -Name : String  -ProductID : int  -Quantity : int  -Price : double  -DueDate : String  -dateCreated : java.util.Date  -Type : String |
| + Electronic  + Electronic (Name : String, ProductID : int, Quantity : int, Price : double, DueDate : String)  +getName () : String  +getProduct () : int  +getQuantity () : int  +getPrice () : double  +getDueDate () : String  +getType () : String  +setName (NewName : String) : void  +setType (NewType : String) : void  +setProductID (NewProductID : int) : void  +setQuantity (NewQuantity : int) : void  +setPrice (NewPrice : double) : void  +setDueDate (NewDueDate : String) : void |

|  |
| --- |
| Fabric |
| -Name : String  -ProductID : int  -Quantity : int  -Price : double  -DueDate : String  -dateCreated : java.util.Date  -Type : String |
| +Fabric  +Fabric (Name : String, ProductID : int, Quantity : int, Price : double, DueDate : String)  +getName () : String  +getProduct () : int  +getQuantity () : int  +getPrice () : double  +getDueDate () : String  +getType () : String  +setName (NewName : String) : void  +setType (NewType : String) : void  +setProductID (NewProductID : int) : void  +setQuantity (NewQuantity : int) : void  +setPrice (NewPrice : double) : void  +setDueDate (NewDueDate : String) : void |

**Gantt Chart**

[Click Here!](Gantt%20Chart%20OOP.xlsm) (Ctrl + click the link)