

## **System Vision Document**

### **Problem Description**

Maret Sofia has her own business and she needs a website to help her manage her business. Currently she uses Magento CMS but which doesn't offer much help in inventory management. This system should be able to provide reports on what have been sold and insights regarding what blocks should be prepared.

### **System Capacities**

- Keep track of the inventory on her quilt blocks
- Able to generate reports in terms of weeks
- Record sales of kits and blocks
- Update the values of system
- Provide insights of stock level
- Connecting via WIFI to transmit data

### **Application Benefits**

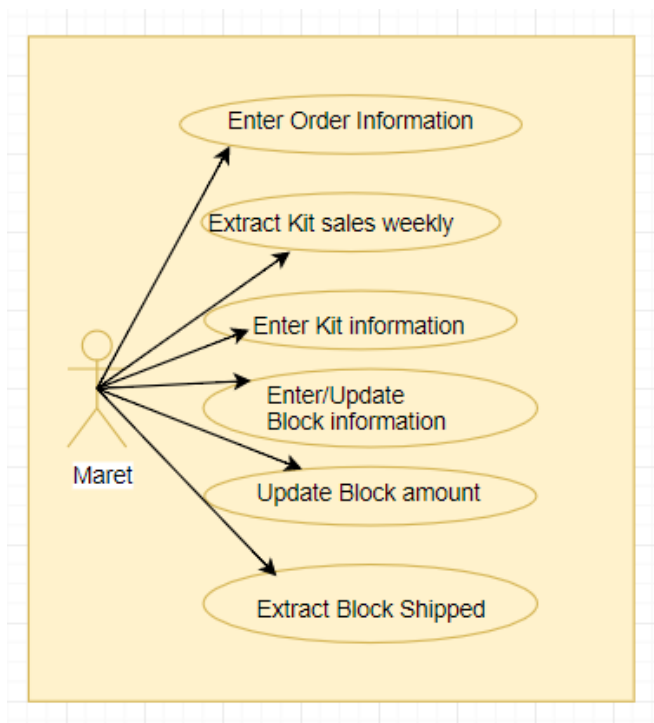
- A systematic platform to manage her business
- Facilitate aunt's decision makings on material preparation, etc.

### **I think One System is enough.**

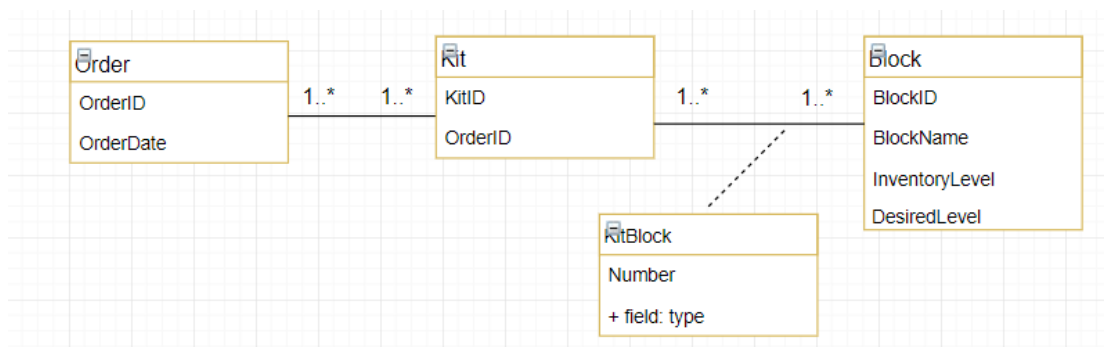
### **A list of user cases**

Use Case	Description
Enter Order Information	When order is made, Maret would enter it into the system.
Extract Kit sales weekly	Extract kit sales at the beginning of each week
Enter Kit information	Record information of kit after being sold
Enter/Update Block information	Record information of sold or new Blocks
Update Block amount	Update actual amount of inventory
Extract Block Shipped	Decide how many blocks are left in the system

## User case diagram



## Domain class diagram



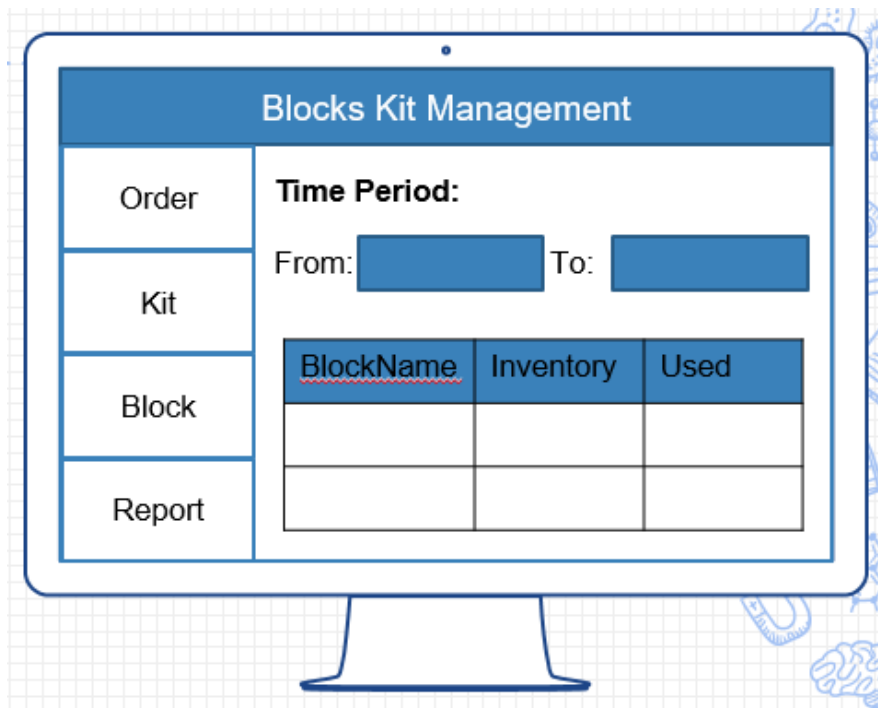
## CRUD

Use Cases	Order	Kit	Block	KitBlock
Enter Order Information	C			C
Extract Kit sales weekly		R		
Enter Kit information		C		
Enter/Update Block information			CU	
Update Block amount			U	
Extract Block Shipped			R	

## Fully defined use cases

<b>Use case name:</b>	Extract kit sales at the beginning of each week	
<b>Scenario:</b>	Maret wants to extract the sales of prior week	
<b>Triggering event:</b>	Maret want to know the sales of last week	
<b>Brief description:</b>	By knowing sales of prior week, it could help tell the amount of kit that has been sold before.	
<b>Actors:</b>	Maret	
<b>Related use cases:</b>		
<b>Stakeholders:</b>	Maret	
<b>Preconditions:</b>	The date was also recorded in the system.	
<b>Postconditions:</b>	Maret could know how many of each kit was sold last week.	
<b>Flow of activities</b>	<b>Actor</b>	<b>System</b>
	Enter period that she wishes to know sales	Provide summary of block kit sales of previous week.
<b>Exception conditions:</b>		

## Storyboard



## Database Design

Table	Fields
Order	<b>OrderID</b> , orderdate
Kit	<b>KitID</b> ,
Block	<b>BlockID</b> , BlockName, Inventory Level, Desired Level
KitBlock	<b>KitBlockID</b> , Number
OrderKit	<b>OrderID</b> , <b>KitID</b> , Number

## Architecture Diagram

