

Reengineering Procurement System at Pt Dana Purna Investama (PT. DPI)

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Abstract: PT. Dana Purna Investama operates in building management facility. Area project of PT. Dana Purna Investama includes cleaning service, mechanical, electrical, gardener, and other building maintenance. The Housekeeping Division provides services for cleaning. This division requires the support of the goods delivered from the central office. Housekeeping Division of PT. Dana Purna Investama which provides cleaning services at PT. BCA Bank Tbk..

Keywords: Reengineering, Procurement, Facility Management, OOAD, Request.

1. Introduction

At present, the process of requesting goods is done manually by the administration section for housekeeping leaders. Requests for goods must be approved in advance by the relation officer then the general affair will make a travel document. This causes the synchronization of control of goods area cannot be done directly and often has an impact on the delay in sending orders. In addition, the absence of notification status on the web when the goods request process makes it difficult to monitor the status of goods demand. Based on these problems, we made an application requesting goods that accommodates starting from the item request form by the housekeeping leader, the goods request approval notification feature from the relation officer, to the status of the updated item request and the shipping process.

Procurement is a process of activities carried out by a company in terms of creating a procurement, both in the form of goods and services. By managing the system automatically the stock of goods decreases and increases based on demand and usage of goods. In addition, the existence of input validation will limit the use of items that are out of stock. [1].

2. Literature Review

Andrix Dermawan (2016) with the title "Management Information System for Medical Goods Supply in RSI. Nahdhatul Ulam Demak". RSI. Nahdlatul Ulama Demak is one of the health institutions that still has problems in managing its inventory. Information Systems Management for Medical Goods inventory at RSI is required. Nahdlatul Ulama Demak. With the existence of a medical goods management system at the RSI. Nahdlatul Ulama Demak, the inventory will be easily controlled. The inventory system will store all storage and usage transactions, with the management of the medical equipment inventory system automatically the stock of goods decreases and increases based on demand and use of goods. In addition, the existence of input validation will limit the use of items that are out of stock.

3. Result and Discussion

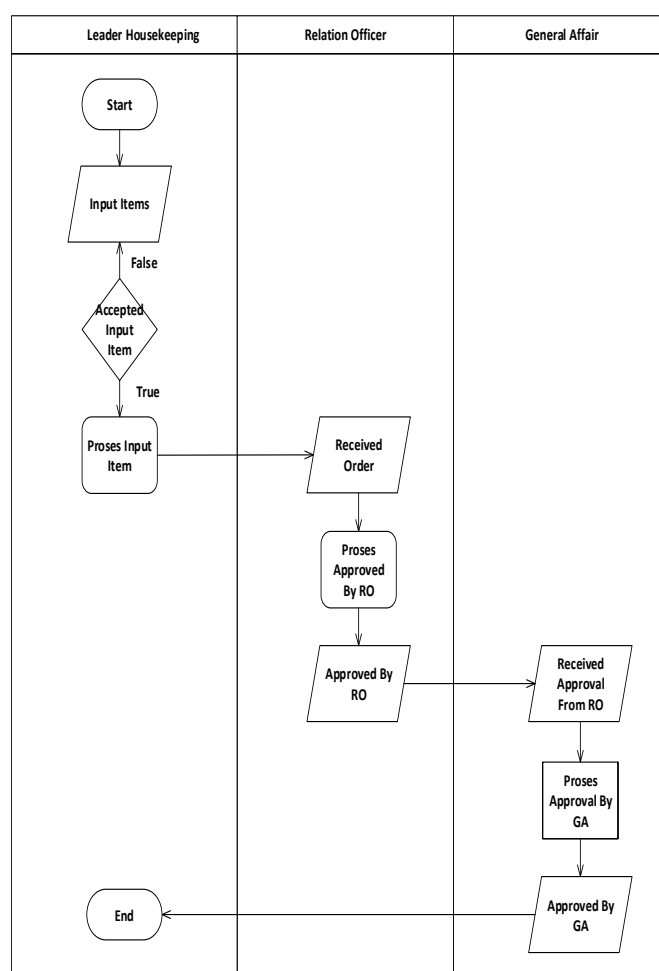


Figure 1: Flowchart Procurement System

Here's an explanation of the image above.

- 1) Leader HouseKeeping to request the order requested / on request every month.
- 2) Then Relation officer (RO) do and see how many are required by Leader Housekeeping and Relation officer (RO) can change how much of the Leader HouseKeeping, Relation Officer (RO) process approval.
- 3) After RO (Relation officer) approve the request items, GA (General affairs) do Approval delivery of the goods

will be delivered to the project area.

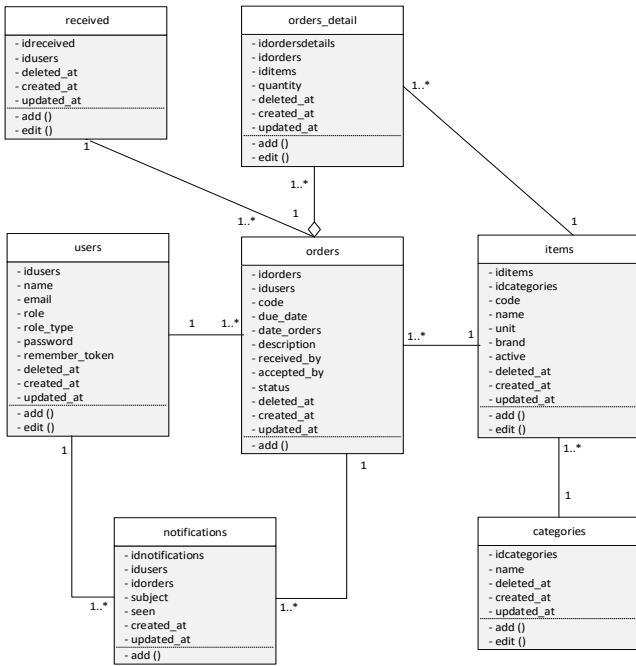


Figure 2: Class Diagram

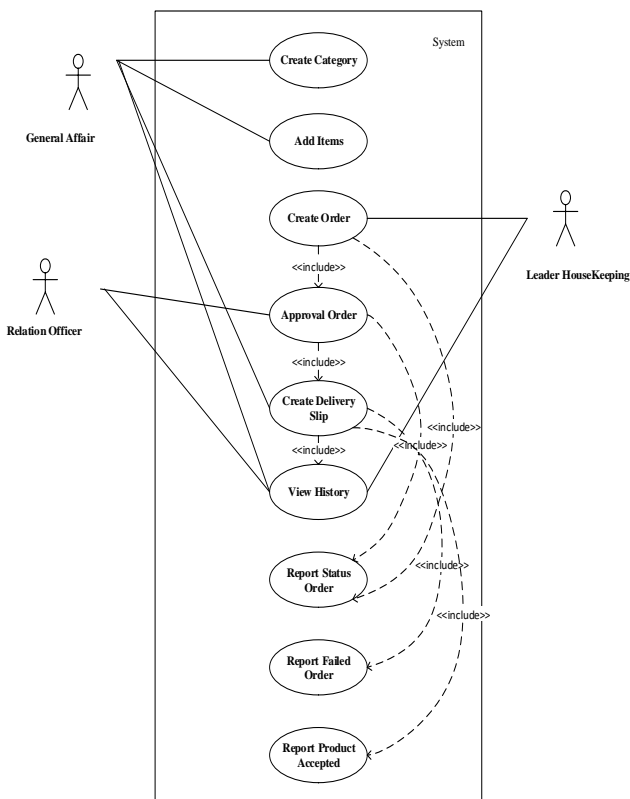


Figure 3: Use Case Procurement System

The following is the implementation of the program, among other :

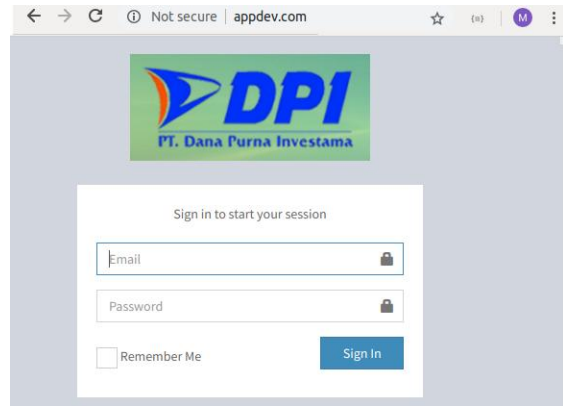


Figure 4: Form Login

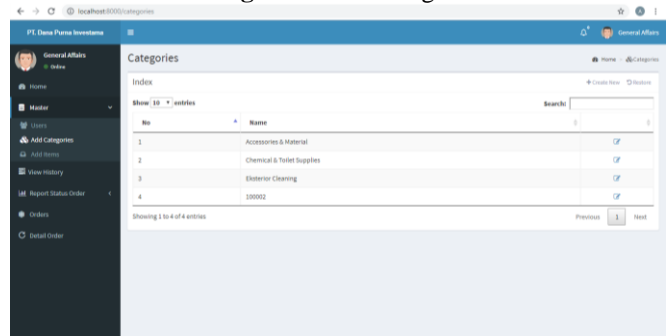


Figure 5: Form Add Categories

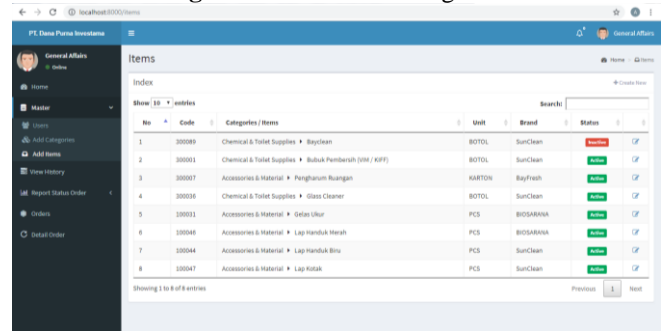


Figure 6: Form Add Items

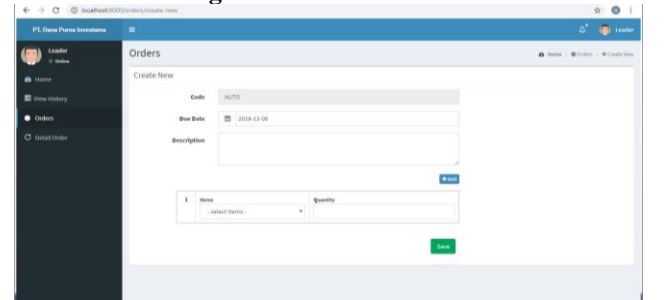


Figure 7: Form Create Orders

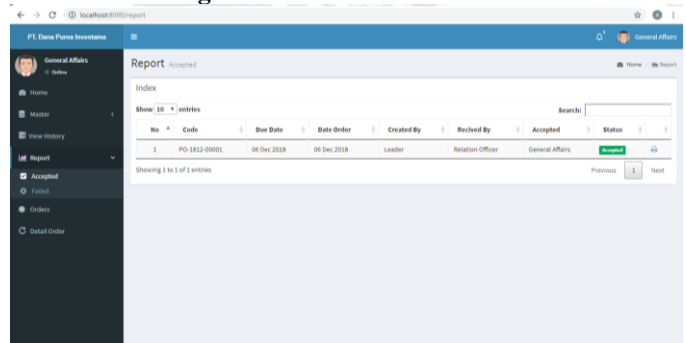


Figure 8: Form Create Delivery Slip

Code	Due Date	Date Order	Created By	Received By	Accepted By	Status	Action
PO-1812-0001	06 Dec 2018	06 Dec 2018	Leader	Relation Officer	General Affairs	Approved	

Figure 9: Form View History

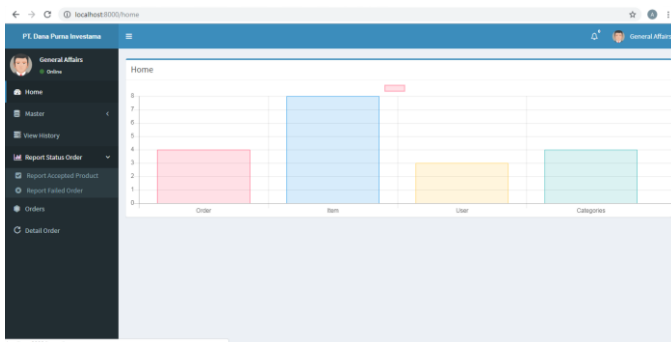


Figure 10: Form Report Status Order

4. Conclusion

Based on the discussion that has been done, it can take some conclusions about the application of the system demand for goods in the PT. Full Investama funds, including the following:

- 1) With the system and process reengineering demand items may make it easier to control the stocks held in the project area because it is directly carried out by Leader HouseKeeping.
- 2) With this system can be a central storage and archiving to provide information about the area of demand for goods carried regularly every month by each project area.

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