



Stocktivity

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WAREHOUSE SYSTEM DEVELOPMENT WEB BASED FOR A STORE

BY STOCKTIVITY

Presented To
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Document Control

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Document Distribution

# of Copy	Description	Location
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Agreement

Signing this document indicates agreement with the system to be developed as described in this blueprint. Signing this document also indicates agreement with the requirements and solutions offered and impacts the continuation of the next phase of the project.

Agreement

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Glossary of Terms

Term	Abbreviations	Description
Inbound		Inbound means the receipt of raw materials or products from suppliers to the warehouse.
Outbound		Outbound is the action required to deliver the final products to the end user.
Supplier		The party that provides or sources the raw materials, components, or finished products required by the shop.
SKU	Stock Keeping Unit	Internal product inventory codes are unique from company to company.
Qty	Quantity	the amount of inventory or stock

1. Overview & Purpose of the Document

Business architecture is a process that describes a business process blueprint that suits the needs of the organization in line with strategic objectives and tactical needs.

The purpose of this document is to define a solution plan for the warehouse management business process for PT ABC.

This artifact is created during solution planning for the following purposes:

- 1) Defining the solution and approach to operating the system easily.
- 2) Ensuring consistency across the solution.
- 3) Communicating key decisions during the planning period to achieve goals..

This document becomes the design process document of management warehouse by stocktifty and is the input document for application design and other related matters.

2. Definition

Warehouses are an important component of the modern supply chain. The warehouse can be described as a part of the company's logistics system that functions to store products and provide information about the status and condition of materials and availability stored in the warehouse, so that the information is always up-to-date and easily accessible to anyone with an interest. The warehouse is an integral part of the supply chain.

This simple management warehouse business process is broken down into several subprocesses, each of which has its own attributes and contributes to achieving the objectives of the management warehouse. The scope of the organization for this simple warehouse management business process is:

1. Warehouse Manager
2. Administrative Staff
3. Operation Staff
4. Logistics Staff

3. Objectives Business Process Reengineering

With the existence of information technology, information can now be obtained more easily and more quickly. One of the expected uses of information technology is the application of warehouse management by Stocktifty. In the process of recognizing the number of stock items, it is sometimes difficult if you have to check manually using physical files. When viewed in terms of work efficiency, of course,

this matter has many effects because these files are easily damaged, and if damaged, there is no more backup information.

The following are a few of BPR's goals:

1. Boost productivity and efficiency.
2. Boost turnaround time.
3. By identifying inefficient business processes and making them more effective, BPR strives to raise the quality of products or services.
4. By accelerating turnaround times and lowering production costs, BPR can assist businesses in maintaining a competitive advantage.\

4. Process Level Structure

4.1 Master Data Process

Master Data

1) product data (SKU, Name, QTY, Category)

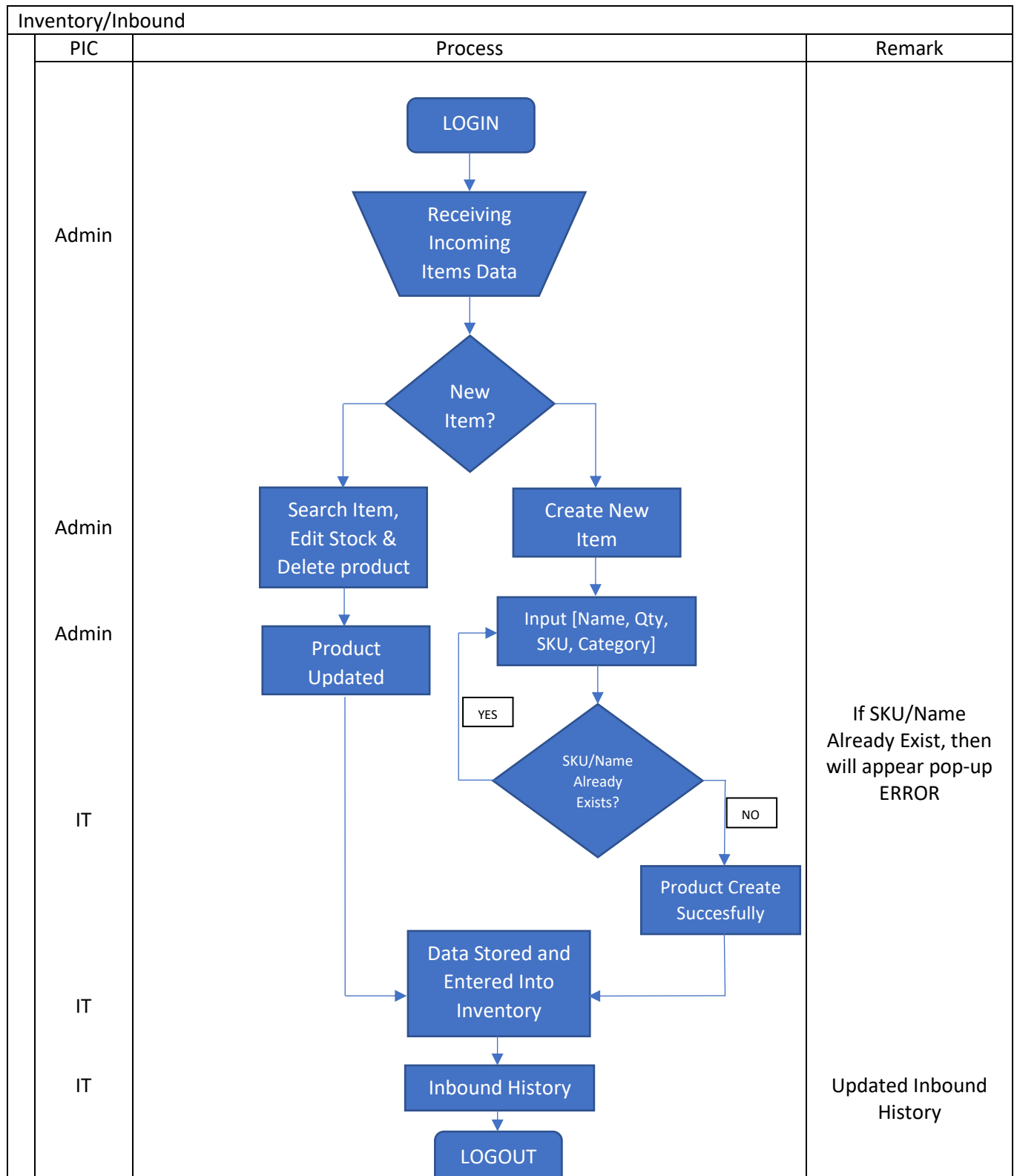
- A001, Eraser, 2.000, ATK
- A002, Pencil, 2.500, ATK
- A003, Ruller, 3.000, ATK
- B012, Whiteboard, 1.000, ATK
- B087, Spidol, 5.000, ATK
- C123, Crayon, 1.000, ATK
- C456, Drawing Book, 500, ATK
- C789, Watercolors, 500, ATK

2) supplier data (name, email, phone address).

- John, john@gmail.com, 085472429236, Jakarta
- Erlan, erlan@gmail.com, 085473896478, Depok
- Ciro, ciro@gmail.com, 085342845437, Bogor
- Argas, argas@gmail.com, 083759352348, Tangerang
- Dafid, dafid@gmail.com, 084668353448, Bekasi

4.1.1 Maintain Inventory/Inbound

4.1.1.1 Activity Flow Chart



4.1.1.2 Flowchart Activity Description

- Inventory/Inbound
 1. The admin receives incoming item data from the supplier and determines whether the item is new.
 2. If it's not a new item, the admin will search for it to edit and update or delete the inventory. Products will be updated automatically.
 3. After Products updated, IT staff will store the data and enter it into the inventory.
 4. If it is a new item, the admin creates a new item list by inputting (name, quantity, SKU, Category, Supplier).
 5. IT staff will verify that the entered SKU/Name is registered or not.
 6. If SKU/Name Already Exist, then will appear pop-up error then avoided.
 7. Input data again with different [Name, SKU].
 8. If no, the product was created successfully.
 9. IT will store the data and enter it into the inventory.
 10. IT updated process for 1 inbound flow in inbound history in dashboard.

4.1.2 Maintain Order/Outbound

4.1.2.1 Activity Flow Chart

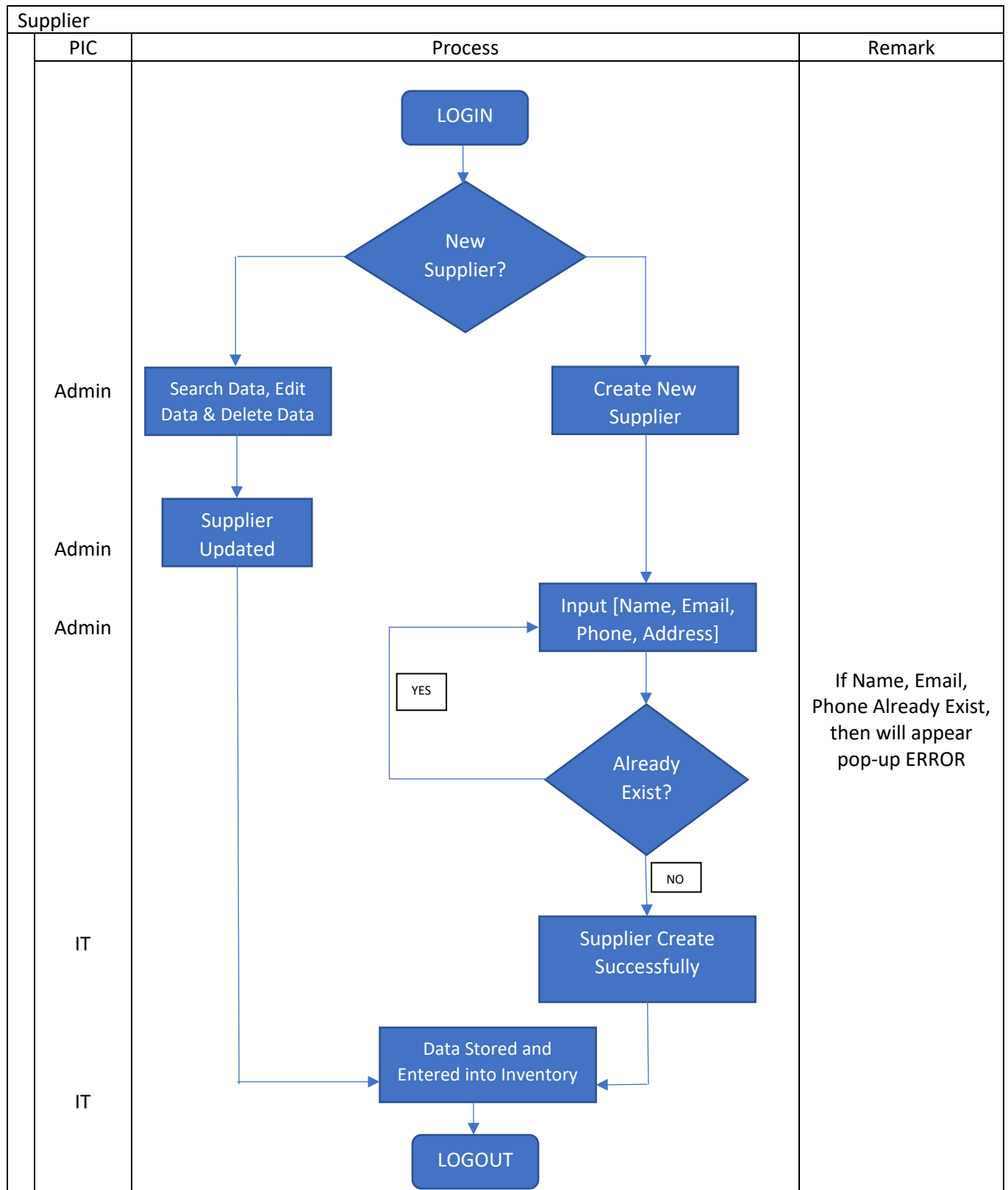
Order/Outbound			
PIC	Process	Remark	
Admin	<pre> graph TD LOGIN([LOGIN]) --> Request[/Outgoing Request for Items by the Client/] Request --> CreateForm[Create Form Order] CreateForm --> InputSKU[Input SKU & Change Qty] InputSKU --> SavedData[Saved data, "Pending" Status] SavedData --> Finish{Finish?} Finish -- NO --> CancelOrder[Cancel Order] CancelOrder --> Request Finish -- YES --> ReducedStock[Reduced Stock] ReducedStock --> OutboundHistory[Outbound History] OutboundHistory --> LOGOUT([LOGOUT]) </pre>	<p>If it's the Order is finish yet, still pending.</p>	
Admin		<p>If it's the Order is cancel, it will be deleted from table.</p>	
IT		<p>Updated Outbound History</p>	
Admin			

4.1.2.2 Flowchart Activity Description

- Order/Outbound
 1. The admin gets the outbound request items requested by the client.
 2. The administrator checks the inventory of related item.
 3. Admin create form order and save, enter SKU and change the quantity, save the form.
 4. The IT automatically create pending order in table.
 5. admin will determine the order if it's cancel, accepted or not.
 6. If it's cancel, it will be deleted from table.
 7. if it's not appropriate it's still pending in status.
 8. if it's appropriate it will be accepted in status.
 9. Product confirmed.
 10. Afterwards, the IT will reduce quantity of item in the inventory.
 11. Updated process for 1 outbound flow in outbound dashboard history.

4.1.3 Maintain Supplier

4.1.3.1 Activity Flowchart



4.1.3.2 Flowchart Activity Description

- Supplier
 1. The administrator receives supplier data and determines whether the supplier is new.
 2. If it's not a new supplier, the admin will search, edit, or delete supplier data (name, email, phone, address).
 3. Supplier will be updated automatically.
 4. IT staff will store the data and enter it into the supplier.
 5. If it is a new supplier, and trying to input supplier with the same data (Name, Email, and Phone) will appear pop-up error then avoided.
 6. IT staff will store the data and enter it into the supplier.
 7. Success create and saved in store the data.

4.1.2 User Interface



The dashboard interface includes a sidebar with navigation links: Dashboard, Inventory, Order, and Supplier. The main content area is titled 'DASHBOARD' and displays the 'INBOUND HISTORY' table. A search bar is located above the table. The table lists various items with their SKUs, names, quantities, categories, suppliers, and update dates. Pagination controls at the bottom indicate 1-5 of 6 rows.

SKU	Name	Quantity	Category	Supplier	Date
A001	Panghapuk	758	Alat Tulis	Dimas Azizi	Updated : 27 April 2023, 9:45 PM
A003	Pensil	5	Alat Tulis	Betom	Updated : 28 April 2023, 9:19 PM
A020	Pulpen	26	Alat Tulis	Betom	Updated : 25 April 2023, 11:21 PM
A000	Buku	16	Alat Tulis	Azyan Jaedi	Updated : 27 April 2023, 9:57 PM
B001	Voucher Telekom	113	Digital	Dimas Azizi	Updated : 25 April 2023, 4:16 PM

The dashboard interface also displays the 'OUTBOUND HISTORY' table, which follows the same layout as the inbound history table. It includes a search bar and lists items with their SKUs, names, quantities, categories, suppliers, and creation dates. Pagination controls at the bottom indicate 1-5 of 60 rows.

SKU	Name	Quantity	Category	Supplier	Date
A000	Buku	5	Alat Tulis	Azyan Jaedi	Created : 27 April 2023, 9:57 PM
A000	Buku	70	Alat Tulis	Azyan Jaedi	Created : 27 April 2023, 9:44 PM
A020	Pulpen	71	Alat Tulis	Betom	Created : 25 April 2023, 11:20 PM
A020	Pulpen	20	Alat Tulis	Betom	Created : 25 April 2023, 11:17 PM
C002	Garpu	2	Alat Makan	Dimas Azizi	Created : 25 April 2023, 4:23 PM

Stockify

Dashboard

Inventory

Order

Supplier

Logout

Inventory

INVENTORY

Search

Create

SKU	Name	Quantity	Category	Supplier	Date	Action
A001	Penghapus	100	Aktif Tula	Dina Azzah	Created : 24 April 2023, 9:48 PM Updated : 27 April 2023, 9:48 PM	
A002	Shampoo	100	ATK	Dina Azzah	Created : 25 April 2023, 4:34 PM Updated : 26 April 2023, 9:24 PM	
A003	Batuk	5	Aktif Tula	Bekas	Created : 25 April 2023, 9:18 PM Updated : 26 April 2023, 9:19 PM	
A005	Pupen	20	Aktif Tula	Bekas	Created : 25 April 2023, 11:14 PM Updated : 26 April 2023, 11:21 PM	
A006	Batu	15	Aktif Tula	Ayza Javan	Created : 27 April 2023, 9:47 PM Updated : 27 April 2023, 9:57 PM	

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Stockify

Dashboard

Inventory

Order

Supplier

Logout

Order

ORDER

Search

Create

SKU	Name	Quantity	Category	Supplier	Date	Status	Action
A005	Pupen	1	Aktif Tula	Bekas	Created : 30 April 2023, 5:52 PM Updated : 30 April 2023, 5:52 PM	pending	
A005	Pupen	1	Aktif Tula	Bekas	Created : 30 April 2023, 5:53 PM Updated : 30 April 2023, 5:55 PM	pending	

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Stockify

Dashboard

Inventory

Order

Supplier

Logout

Supplier

SUPPLIER

Search

Create

No	Name	Email	Phone	Address	Action
1	Ayza Javan	ayazah@gmail.com	8888888	Jl. Seleg - Cikassah - Cikassah - Cikassah	
2	Ayza Javan	ayazah@gmail.com	8888888	Jl. Seleg - Cikassah - Cikassah - Cikassah	
3	Dina Azzah	dinazzah@gmail.com	7766642	Jl. Seleg - Cikassah - Cikassah - Cikassah	
4	Bekas	ayazah@gmail.com	8888888	Bekas Loka Cikassah 14	
5	Bekas	ayazah@gmail.com	1234567	Bekas	

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