YEROTH_{r&d} | Information Brochure of the ERP software-system YEROTH-ERP-3.0

ERP software—system YEROTH-ERP-3.0

Information Brochure of the

Dipl.-Inf. XAVIER NOUMBISSI NOUNDOU

Tasks	« Business manager »	« Seller »	« Stock manager »	« Storekeeper »	« Cashier »
insert stock (or service)	✓		√		
delete stock	✓				
view stock	✓	√	√	√	√
modify stock	✓		\checkmark		
transfer stock	✓		√	√	
modify stock					
management strategy	\checkmark	partial	partial		
(ex.: « FIFO », etc.)					
point-of-sale	√	√			√
view stock transfers	\checkmark		√	√	
customer management	√	√			
business dashboard	✓				
sale return	√				
view sales information	✓	partial			

Table 1: YEROTH—ERP—3.0 functions—tasks, and associated users—roles.

Developer Biography



Figure 1: Portrait of Xavier.

Dipl.—Inf. XAVIER NOUMBISSI NOUNDOU is a Cameroonian born on September 16 1983 in DOUALA (LITTORAL region, CAMEROON).

Xavier is a "Diplom-Informatiker (DIPL.-INF.)" of the University of Bremen, Bremen, Bremen, GERMANY (May 25, 2007).

2 Introduction

YEROTH-ERP-3.0 is an Enterprise Resource Planing (ERP) software-system.

Users of YEROTH-ERP-3.0 could have the following

- 1) « Administrator »
- 2) « Business manager »
- 3) « Cashier »
- 4) « Seller »
- 5) « Stock manager »
- 6) « Storekeeper ».

YEROTH-ERP-3.0 allows for business management tasks listed in Table 1, depending on user role.

3 Advantages YEROTH-ERPof 3.0

- 1) YEROTH-ERP-3.0 is 100% stable
- 2) YEROTH-ERP-3.0 has an alert system with two types of alerts: alerts based on stock-quantity, and time-period alerts
- 3) users have the choice between small size receipts, and, bigger size receipts ("A4")
- 4) YEROTH-ERP-3.0 runs on the Linux operating system, because Linux is stable, performant, and less vulnerable to security breaches in comparison to other operating systems ('Windows 10')

- 5) YEROTH—ERP—3.0 has an user interface "Sales" to view sale information (Figure 2), and thus enables users to make managerial decisions
- 6) YEROTH-ERP-3.0 has an interface "Business dashboard" that generates financial accounting reports, from sale and payment information, to help managers to make "business decisions".

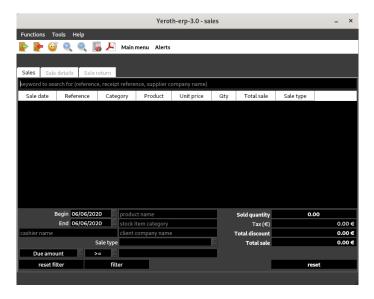


Figure 2: Sale-information window.

4 Alert System

Users with roles « Administrator » or « Business manager » are the ones able to create alerts.

YEROTH—ERP—3.0 allows its users to create two types of alerts:

- 1) alerts over stocks—quantities
- 2) alerts over time intervals (this helps for perissable articles and for sales discounts over a period of time).

4.1 Alerts over Stock-Quantity

An alert aver a stock—quantity is a message that is sent to a pre-determined user whenever "pre-determined" stock—quantity (X) of a specific article—stock is reached.

For instance, Xavier (« Business manager ») could create an alert for stock "mango" that will be trigerred whenever stock "mango" quantity reaches 100; An alert—message is sent to user John (« Storekeeper »).

4.2 Alerts over Time-Period

A time—period is defined by a starting—date and an ending—date (dates are from the "gregorian" calendar).

An alert aver a time—period (T) is a message that is generated, sent to a pre—determined user, and kept within YEROTH—ERP—3.0 from T's starting—date up to T's ending—date.

For example, an alert with a message has to be sent to Paul (« Cashier ») when the date of May 05^{th} is reached. The alert message specifies that a rebate of 20% has to be applied on every sale of yoghourt 'trèsbon' during a time interval of 2 weeks.

5 Database Management System

YEROTH—ERP—3.0 uses 'MariaDB' as the standard DBMS. 'MariaDB' is very stable, very performant, and free—software.

6 Conclusion

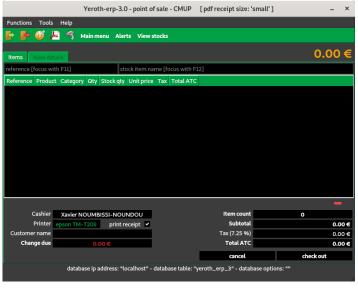


Figure 3: Point-of-sale window.

Figure 3 illustrates the window for selling articles.

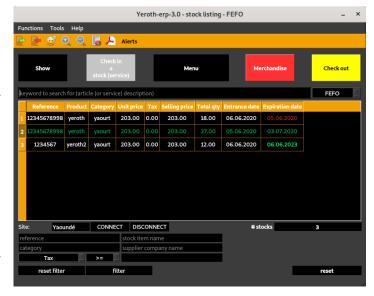


Figure 4: Stock listing window.

Figure 4 illustrates the window for viewing and searching for stocks.