

# INFORMATION BROCHURE OF THE ERP SOFTWARE-SYSTEM

## YEROTH-ERP-3.0

XAVIER NOUMBISSI NOUNDOU, DIPL.-INF., PH.D. (ABD)

### 1 Developer Biography

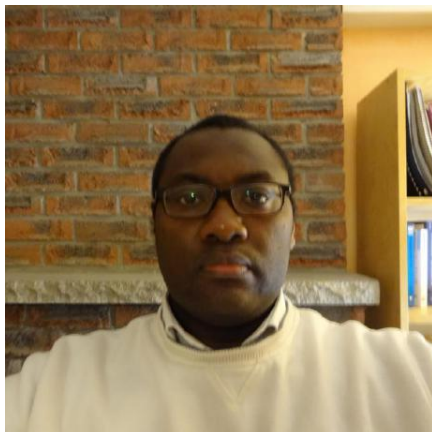


Figure 1: Portrait of Xavier

**XAVIER NOUMBISSI NOUNDOU, DIPL.-INF., PH.D. (ABD)** is a Cameroonian born on September 16 1983 in DOUALA (LITTORAL region, CAMEROON).

Xavier is a "Ph.D. (ABD) in Software Engineering" of the **University of Waterloo, Waterloo, Ontario, CANADA** (March 10 2015).

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 roles:

- 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.

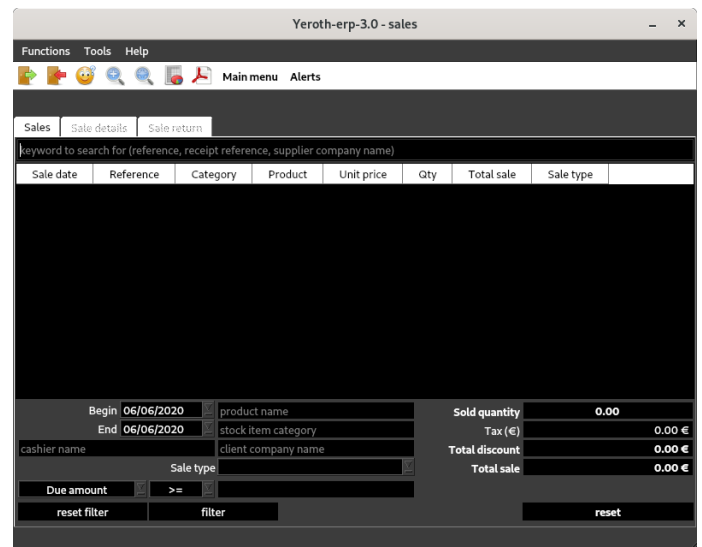


Figure 2: Sale-information window

### 3 Advantages of YEROTH-ERP-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".

### 4 Alert System

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

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

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

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 over 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 triggered 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 over 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<sup>th</sup> is reached. The alert message specifies that a rebate of 20% has to be applied on every sale of yoghurt '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 illustrates the window for selling articles.

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

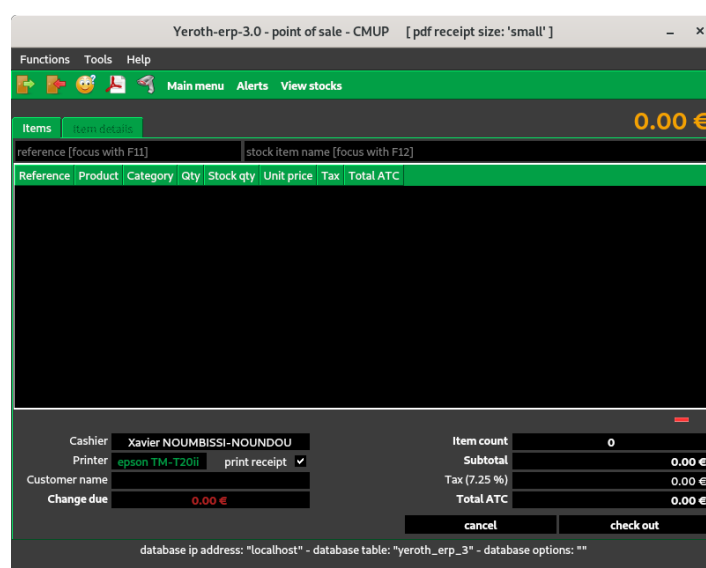


Figure 3: Point-of-sale window.

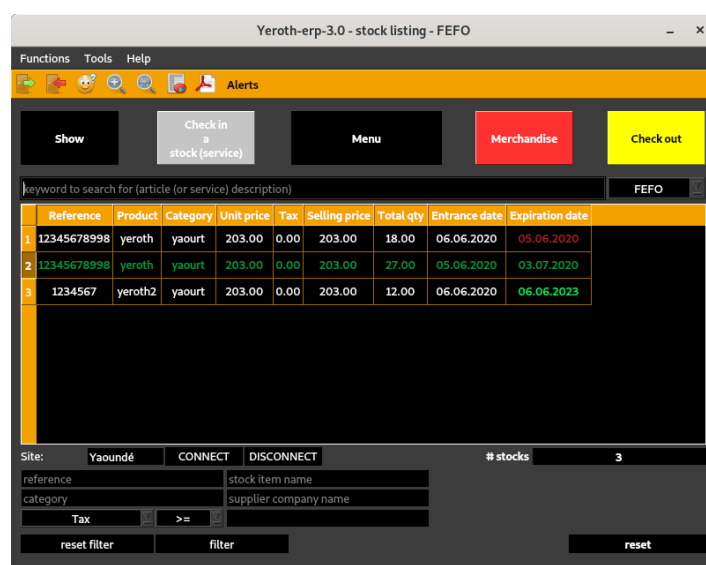


Figure 4: stock listing window.