

System analysis thesis

Business



THESIS DOCUMENTATION SYSTEM ANALYSIS, DESIGN AND PROTOTYPING 1

ORDER AND SALES SYSTEM Of Buns ' n Pizza – Pureza Branch

INTRODUCTION Company Background Ordering system throughout the world has relied on pens and papers. Problems such as missing orders and information sent to the wrong place arise. Furthermore, some could not be able to handle the massive volume of orders. Under the old manual ordering systems, it takes up too much time to process.

Real time ordering and improved efficiency has been the focus of entrepreneurs. As with many business scenarios, getting rid of paper improves efficiency, reduces human error and allows information to flow to an infrastructure without a time consuming data input process. There is also less chance of handwritten orders being misread and a higher customer turnaround as customers will be served faster. In accordance to this, the software developers proposed the Buns and Pizza computerized ordering system. The system is developed specially to meet the needs of Buns and Pizza.

Statement of the Problem The proponents would like to develop the ordering system to address the following problems of Buns and Pizza: How can Buns and Pizza keep pace with the modernization? To keep pace with the modernization, there should be room for improvement in the field of information technology. Nowadays, companies shift from manual to computerize primarily because of advantages brought by the use of computers To lighten the load for the staff and likewise, enhance customer service Nowadays, machine replaces the work intended for humans primarily to lessen man power. It also eliminates human errors. System Scopes and

Limitation Buns and Pizza Ordering system is an integration of different operations: ordering, pricing, and billing systems, customers input orders directly into the computer, which communicates the customer's order to the kitchen. The fixed terminal number identifies which customer ordered which. A staff prints out the bill.

Additional orders may be accepted by the kitchen only if the bill hasn't been printed

FEASIBILITY STUDY Overview of the Existing System

Their current system is actually manual. They have no existing computerized order and sales system. Due to the manual system that they have, their services slow down. In their current system, problems like missing order, loss of data, and wrong delivery details could possibly occur.

User Overview

The user has a difficulty in computing the customer order due to the manual process.

Receiving the order from the customer took a lot of time in writing the order of the customer.

Recording of data in manual process can lose the data

System Flowchart (picture)

Data Flow Diagram (picture)

Analysis of the Existing System

Their current system is actually manual. They have no existing computerized order and sales system. Due to the manual system that they have, their services slow down. In their current system, problems like missing order, loss of data, and wrong delivery details could possibly occur

Since there are three establishments in one management, the counter is located at Pureza. Given the setup, Buns and Pizza customers need to go to the said counter just to order food. In addition, the high volume of sound system makes it difficult to communicate with the staff.

RECOMMENDED SOLUTION Overview of the Proposed System The computerized order and sales system can lessen the time consume in writing the order of the customer. In computerized order, the cashier can select from the displayed menu and automatically add the item in the total amount. The system can record all the transaction in oneday and can view it by weekly and monthly. The system compute the data more accurate than the manual system. Data redundancy can be avoided to this system. System Design 1.

User Overview The user can log in its username and password to know its information and limitation. The cashier compute the order of the customer and allow to cancel the transaction if the input order is a error. The administrator can view the daily, weekly, and monthly report. The manager can view the summary of the daily sales and edit the report. 2. System Flowchart (picture) 3.

Data Flow Diagram (picture) 4. Minimum System Requirement ? Windows 98, 2000, ME, or higher ? 520 Mb disk memory ? 256 RAMA. Cost-Benefit Analysis APPENDICES A. Distribution of Developmental Schedule • Gantt Chart • PERT B. Fact-Finding Techniques Interview Report This method was for us to know the background of the company, its existing and present problems. It was done with the Pureza Branch manager Mrs Melinda P.

Fernandez. The researchers were privileged enough to speak with the Buns and Pizza Pureza Branch manager Mrs Melinda P. Fernandez. She said that the company's ordering is done by manual process. Besides of the slowness of the said approach, results are often in accurate and unsatisfying.

Lately, the company has tried using MS Excel but still they cannot see in a glance the status of their business because of MS Excel's limited capability. Observation Report Once again with the big help of the contact person, the researchers were able to observe the actual operation of the manual system. Our contact gave us an example of the reports and how they write all the important records like the customer files. The company's manual ordering system has been troubled by recurrent problems. First, it is difficult to view the files due to its long tabulated nature in MS Excel.

Second, it is difficult to use Excel due to their unfamiliarity with the software. The researchers also noticed that the system is prone to error due to magnanimous manual inputs that the user must provide. The system requires a lot more time to be able to update the ordering system that leads to inefficiency and less productivity. • Gathered Documents Library method consists of any reading or printed material they may expand one's knowledge in connection, which study being held. Gathering of data provides the researchers with vital information in the development of the study, books and previously written thesis provided the researchers with ideas that were helpful in the development of the propose system.

The researchers have visited different libraries and have thorough research and also read different materials that are relevant to the study being conducted. And later chose the best-printed materials from those gathered, that would best serve in helping out the researchers in developing the software. C.

Students' Profile ref: <http://www.scribd.com/doc/7010405/Thesis-Documentation>