Professional paper

IMPLEMENTATION OF DIGITAL TECHNOLOGIES FOR ELECTRONIC ORDERING IN MEAT INDUSTRY

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Abstract

With the rapid growth and development of information and communication technology on the one hand, and considering the meat industry on the other hand, there is an opportunity for greater implementation of ICT in the meat industry, that is, the introduction of innovation - the electronic ordering of meat and meat products. To meet the demand, timely availability, and ordering of meat in the domestic market especially for holidays, a pilot web application for electronic meat ordering with basic features has been developed. Java is the programming language used to develop the application, and the Enclips platform is used as the development environment. The order part needs to be recorded in a database. The SQL database will be used as the database in which the data will be recorded. The application is divided into two parts. The first part refers to the users where they will be able to make and confirm an order by filling in the mandatory fields of the application, while the second part refers to the part of generating orders where the suppliers from the meat industry will be able to process the order to contact the buyers and to make a proper delivery on the spot.

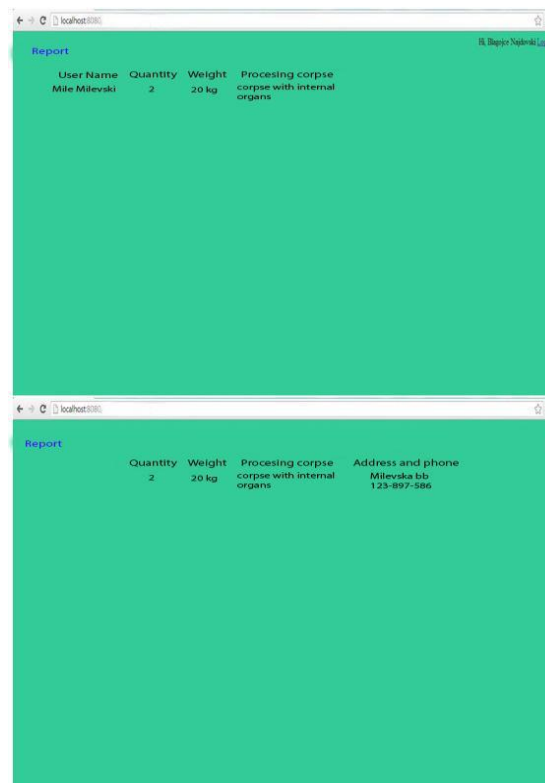*Keywords:* ICT, Data base, Meet Industry, E-order.

1. Introduction

The Macedonian meat industry has 46 companies registered for the activity of meat processing and canning. Deli products and canned meat products are part of every day. James was located import-dependent yet the meat industry still in Macedonia records a large part of the sale of meat processing and canned meat at different levels. The main activities involved in the meat industry are satisfying the demands of consumers. Special attention is paid to improving the quality of products by setting certain standards. However, in order to start a selected service, to be in trend with the latest innovations, and to ensure a competitive advantage, there should be an implementation of ICT technologies in this sector. For this purpose, this paper presents a pilot application that will enable the electronic ordering of meat by filling out the order form. Online ordering has become the norm for many industries including the meat industry. Recently, research and scholarly publications have begun to encourage use of their website by focusing on phone ordering errors. The change in preferred method is due to the fact that online ordering attracts more customers and brings higher ticket orders. When ordering from an interactive online menu, customers feel less rushed to make a snap decision and are more likely to add items that would otherwise appear less appealing.

2. Experimental procedure

Newer and improved technologies enter our lives everyday. The process of globalization makes the world smaller, and allows easier access to information or people to every part of the world. Analyzing the labor market, with an emphasis on the meat industry, the implementation of ICT will significantly improve the service and enable the saving of resources. The paper investigates

what ICT is, what are the advantages of its implementation. In order to meet the demand, to make timely availability and order for the domestic market, a web application was created that will enable electronic ordering of meat and meat products. By creating the application, the value of ICT in the meat industry is practically demonstrated, where several different technologies were used to create the application. The application is made with a simple appearance so that every user can easily access a suitable link and with a few clicks make a suitable order. Access to the application is with a different degree of privilege, that is, buyers place an order, while sellers receive a report on orders made with appropriate information for each order separately. The application is developed in the JAVA programming language while Enclips is used as the coding platform. The SQL database will be used as the database in which the data will be written. The application is divided into two parts. One part refers to the users, the other part refers to the sellers, that is, the generation of orders by the buyers.

Figure 1. Generation of orders

In the picture with serial number 1, we are shown the section from the seller's side, where you can see and print the orders that have been made in different time intervals. The information that is generated from the database are actually fields that are entered by buyers during the creation of the order.
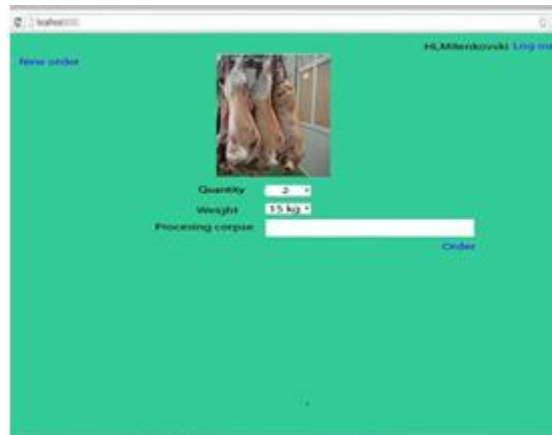
Figure 2. Generation of orders

In the image with serial number 2, we are shown the section for creating an order. Buyers have the opportunity to choose by filling in the mandatory fields: type of meat, quantity of meat, and contact address. After the successfully placed order, the data is recorded in the database where it is automatically generated in the seller's section, and the buyers receive an electronic number that will serve as a confirmation of the placed order. The possibility of delivery or personal pickup of the order is the choice of the buyers themselves.

3. Conclusions and discussion

The use of ICT in the meat industry is one of the additional innovations in this sector. In the paper, a combination of ICT technologies is presented as an innovative part that enables modernization and automation in the meat industry. The use of a combination of different technologies can make a pilot mobile application that will aim to create a meat order from any place. As advantages offered by the applications, they allow saving time, resources, finances, that is, improved service. Future steps that will be taken are the increase the services that the application will offer, with the use of new ICT technologies. In addition, cloud technologies can be used as resources that generate secure services and unreserved availability, which will largely replace traditional techniques and with the availability of all resources in one place.

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