Application of Social Containing- Electronic prescription for medication

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1 Abstract

This paper has as a purpose the development of an innovative application through which will be made an electronic prescription. The application's construction has been held by the use of the Visual Studio 2015 program and the .NET platform. Also VISUAL BASIC has been used as a programming language.

2 Introduction

This thesis focuses on Windows application development techniques needed to medical electronic prescriptions. Since, there is not a single procedure available to doctors to create a medical prescription. This thesis represents a unique application for doctors and pharmacists so as to make their jobs easier. Based on the development of technology, we created this application to manage such issues.

3 Overview

3.1 Purpose and point of exercise

This paper has as a purpose the development of an innovative application through which will be made an electronic prescription. The idea for it's development has been created to us from the exhortation of our family doctor, who was disappointed from the function of the official application of electronic prescription. He gave us all the demanded information, while at the same time we navigated at the current application and we checked it's set up. The application's construction has been held by the use of the Visual Studio 2015 program and the .NET platform. Also VISUAL BASIC has been used as a programming language.

3.2 Application's description

Application has as purpose to be installed to all doctors of the Medical Association of Athens and with it's use to allow them to create medical prescription to all of their potential patients. The effect about electronic prescription for the avoidance of needless officialism, will not be printed, but it will be sent to patient's cellphone. After this procedure, the patient will go to the nearest pharmacy, and the pharmacist will find the recipe which has been prescribered to him, then he will give him the drugs and in the end he will close the uncompleted recipe.

For the support of method's description we didn't use the current application, but we made a completely new standalone application. We took the data that we used from open types of information and we kept the susceptible personal data.

Talking in absolutely theoretical level we can confirm that our application can be functioned by her own in cases that there is no access in same application of ministry.

4 Experimental Results

At the following chapter we will analyze the structure of the exercise. We separate it to sections with that way so as to be easier it's read and assessment. These sections that we have separate our exercise are necessary for the best understanding of our exercise, but it was not the same with the structure that we configured. This specific structure was convenient better the way of it's presentation, while in the development of our application we followed different ways which lead us to the search of the technology that we used.

5 Conclusions

In this chapter we present our finally application:

5.1 Main Form

In main form, Doctor or Drugstore can be login with personal id he has taken from administrators. Fill the password box and press button.



5.2 **Doctor Form**

After log-in as Doctor, you can see your personal details. In the first box from second row you can fill with "A.M.K.A." (Personal unique id from Hellenic Ministry of Health).



Press the button on below and the application show up Customers details



Doctor choose drugs from list on below, type quantity of drug and press the button on bellow to add new prescription.

The system fill list with added drugs on right and show up message on bottom and right of form, which says "Add Complete!"



If you not type quantity the system pop up message box, which says "Please fill quantity of drug"



Finally, the button on bottom and right clear the list from added drugs and the system show up message on below, which says "Delete Complete!"



The finally button on bottom and center you log-out and navigate to main form.

5.3 **Drugstore Form**

After log-in as Doctor, you can see your personal details. In the first box from second row you can fill with "A.M.K.A." (Personal unique id from Hellenic Ministry of Health).



The system fill list on left with drugs to completion, and pressing the button on right completed prescription.

The system show up message on below of button, which says "Prescription Completed Successfully!"



The finally button on bottom and center you log-out and navigate to main form.

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