

Hospital Billing System

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Abstract. We present an approach to the detection and accuracy of billing system of hospitals. It is compatible for all hospitals. By using it the user will be able to keep up with the information of every thing. All the calculations and data will be stored in the database so the user doesn't have to waste any time on those things. It will save a lot of time and will be a great help in medical sector where every second counts. In the end of day the user will be able to see the summary of the day easily.

INTRODUCTION

Due to emergency of hospital sector getting the medicine is a very important thing. Because over there the patient fights with death every second. So every second counts. At present there are not many hospitals or pharmacy where digital billing are used. Because of it the cashier has to count the price of medicine manually and have to make a note of what he is selling. Which takes a lot of time. But there will be a line of buyers the time of getting the medicine will be high. So we have build a system which calculates the total amount of the chosen medicine and saves it in the database. Because of it the cashier doesn't have to do much and the time will be highly reduced. It will save a lot of time and lives.[1]

RELATED WORKS

At present there are a lot of work like this. But all of them lack some basic components. When we decided to work on this project we read a lot of reports. And saw some lack the friendly user experience, some lack the simplicity, some takes a lot of time, some has flaws in them.[2] So we decided to make system that has no flaws like these. Right now some hospitals and medicine sectors are using these systems. But if do not keep up to date the time will be moderate. But we have to keep it low.[3] we took some important parts from many big systems and adjusted in this project so that it can do almost all the necessary work.[4]

OBJECTIVE

In a hospital or any where in the world the patient is fighting with death every second. So every second is important in these kind of situation. So we have to minimize the time of getting the necessary medicine as much as we can. For this sole purpose we have build this system. So that the patient can be treated as soon as possible. It will save almost 85% of regular time. Which is a big amount of time. And because of it the patient might be alive. So we have to make sure that all the medical sector has this kind of systems in their institute.

PROBABLE METHODOLOGY

```
0001 .model small
0002
0003 .stack 100h
0004
0005 .data
0006
0007     input_password db 'Please Enter Your Password$'
0008     password db 'speedout$'
0009     incorrect_password db 10,13, 'Incorrect Password$'
0010     welcome db 10,13,10,13, 'WELCOME TO MEDICAL STORE$'
0011     auth_info db 10,13,10,13, 'Md. Mahian Islam Sadim, Biplob Kumar Sutradhar, Farabi Ahnaf Akib$'
0012     auth_sid db 10,13, '203-15-3898, 203-15-3923, 203-15-3920$'
0013     team_name db 10,13, 'From Team SPEEDOUT$'
0014     msg1 db 10,13,10,13, 'Choose a Option$'
0015     msg2 db 10,13,10,13, 'What Do You Want To Buy$'
0016     msg_medicines db 10,13, 'Press 1 to buy medicines$'
0017     medicines_sold db 10,13, 'Press 2 to see medicines statistics$'
0018     input_again db 10,13, 'Please Press one of the above given keys$'
0019     wrong_input db 10,13, 'Wrong Input$'
0020     exit_program db 10,13, 'Press 4 to exit$'
0021     opt1 db 10,13, '1. Panadol - 4 tk$'
0022     opt2 db 10,13, '2. Paracetamol - 3 tk$'
0023     opt3 db 10,13, '3. Cleritek - 2 tk$'
0024     opt4 db 10,13, '4. Aspirin - 2 tk$'
0025     opt5 db 10,13, '5. Brufen - 1 tk$'
0026     opt6 db 10,13, '6. Surbex Z - 5 tk$'
0027     opt7 db 10,13, '7. Arinac - 4 tk$'
0028     opt8 db 10,13, '8. Sinopharm Vaccine - 2 tk$'
0029     opt9 db 10,13, '9. Pfizer Vaccine - 8 tk$'
0030     newline db 10,13, '$'
```

Fig.1 : Source code (preview)

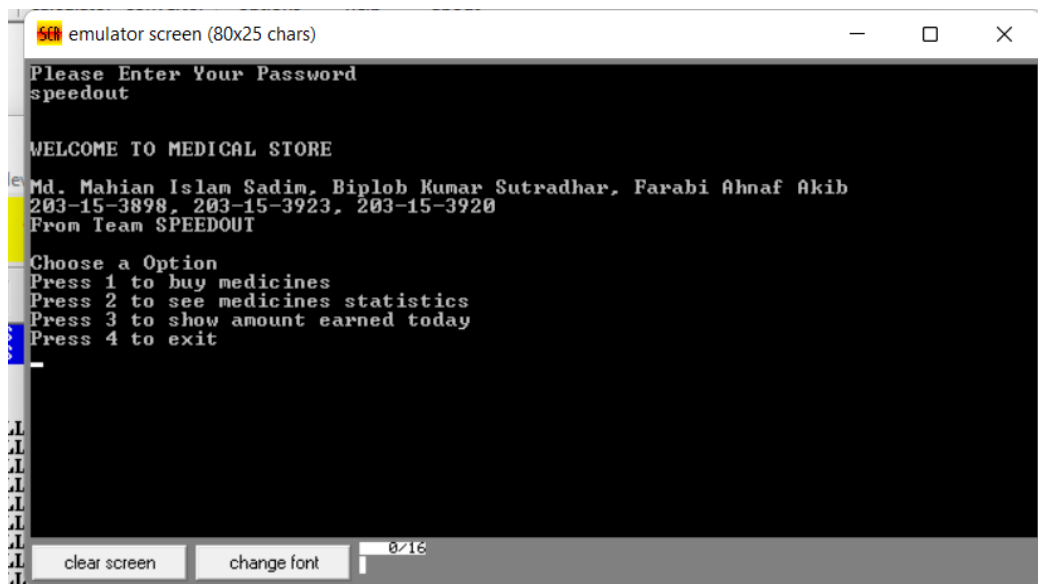


Fig.2 : Opening display

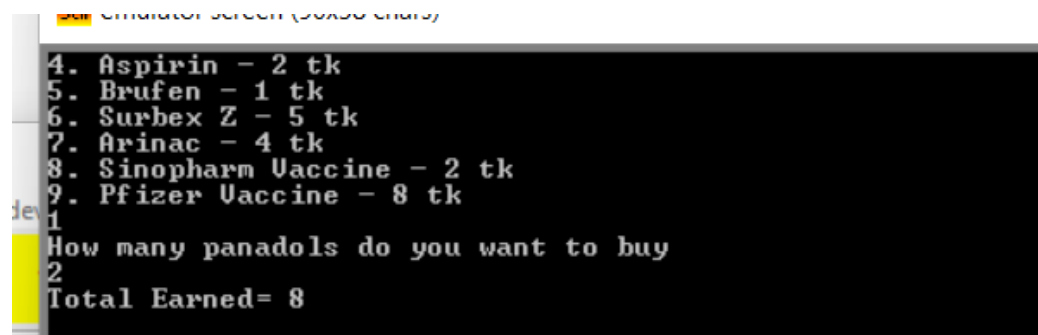


Fig.3: Final result

THE NOVELTY OF IMAGE CLASSIFIER

1. We can use our billing system in medical sector.
2. It can reduce the regular time by 85%.
3. It can save lives.
4. It will reduce hassle.
5. Because of it the cashier will be able to keep up with everything.
6. It will save a lot of time which is very important in these kind of situation.

CONCLUSION

So in the end we can say that a billing system is a must help in medical sector. Because without it many live will be lost. So we have to use our best to reduce the rate of death as much as we can. And this billing system will reduce a lot of time which will result in a great success. And we will be able to save a lot of lives.

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