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Hospital Management System using Web Technology

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INTRODUCTION

The main intention of introducing this system is to reduce the manual work at **Hospital** counters. Every sort of task is performed by the system, such as registering different types of persons ,enquiries, and complaints etc. reducing much paper work and burden of file storage. Also the latest information is right available for the officials and executives wherever they require. The system also facilitates the pharmacist to enquire about the drugs and about the stock to be ordered and about the expiry date .

Where the system must be placed?

There are a lot of benefits of this project by placing the system at their registration and at drug store office . At the same time the patients are also benefited using this system. They can get the work done within no time.

OBJECTIVE

Using the system is as simple as using the personal computer. Since end user computing is developing in our country, It is beneficial to both Health center and the patients. Every step is clearly defined and help is provided through out the application to the user. Even the exceptions are handled well to avoid confusion.

How is it beneficial to the Health Center?

The heath center can get much out of the system. The system is used to enter the patient details and to enter the details about the health center and the details about the in-patient and out-patient in detail and about the reports of the patients . This system represents the patient by the **OP** number and this is main criteria how the patient is provided by the free services . The drug information and the specifications is also provided in this Health Center Management System.

SYSTEM ANALYSIS

As in any other system development model, system analysis is the first phase of development in case of Object Modeling too. In this phase, the developer interacts with the user of the system to find out the user requirements and analyses the system to understand the functioning.

Based on this system study, the analyst prepares a model of the desired system. This model is purely based on what the system is required to do. At this stage the implementation details are not taken care of. Only the model of the system is prepared based on the idea that the system is made up of a set of interacting objects. The important elements of the system are emphasized.

Existing System:

The existing system is very complex as every work is done manually. So, each and every work takes much time to complete. Whenever a doctor needs the information of patient then the register has to search which can very time consuming in times of emergency. The history details of the patient have to be maintained in register.

Proposed System:

The existing system has obvious problems, inhibiting growth and more usage of man power. The present system which has been proposed is very easy to work .The computerization of the every department in the health center will reduce the work that is done manually. The man power is reduced to the maximum extent. The patients at the registration office are registered within no time, because every time there is no need to search for the particular in the self's .The drugs information are maintained without any complexity and all the calculations are made automatically by this system there is no need for the calculations

ADVANTAGES:

1. The complete automation of health care system is done using our application
2. The details description of each drug with there usage and prescription can be provided
3. The application can maintain the huge amount of information
4. The system is secured and information can be searched fast
5. The present system is easy to maintain and it is cost effective as it requires less man power to operate

Modules:

The Dispensary Management Systemproject has been divided into four modules. They are

1. **Registration:** The registration module is used to register a user to use the application in an secured way.
2. **Doctors Information :**The doctor information contains the information about the doctors which are available which are available in the dispensary..

3. **Question Records:** Here the details of each of registered case is maintained which can be very useful to review the history of any patients.

4. **Solutions Entries:** Here details of daily activities is provided by doctor to patient regarding questions .

5. **Patient Info:** Patient information will contain the details of information relating to the patient.

SYSTEM DESIGN

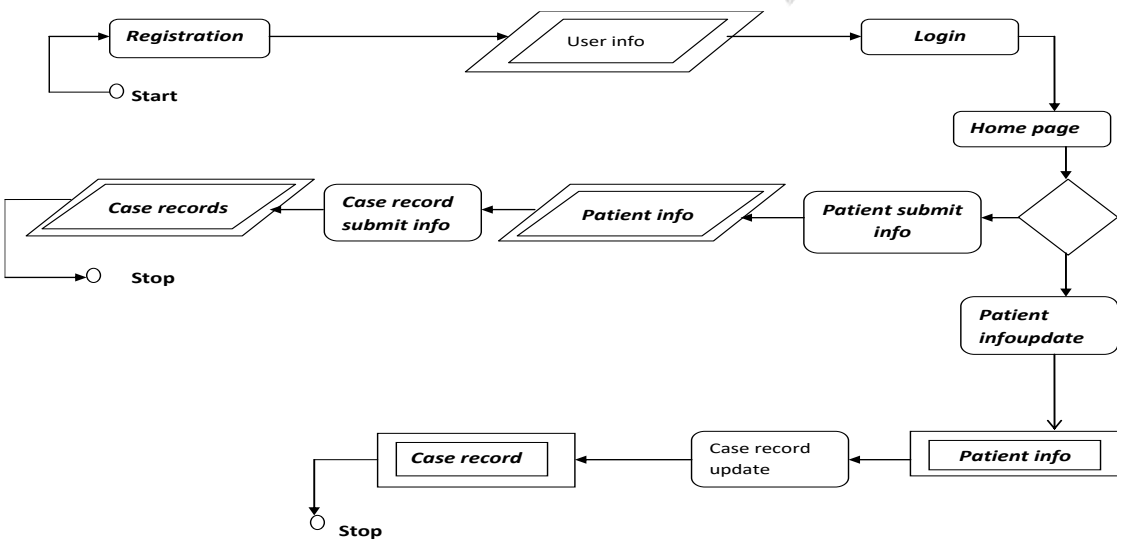
System Design is the next development stage where the overall architecture of the desired system is decided. The system is organized as a set of sub systems interacting with each other. While designing the system as a set of interacting subsystems, the analyst takes care of specifications as observed in system analysis as well as what is required out of the new system by the end user.

As the basic philosophy of Object-Oriented method of system analysis is to perceive the system as a set of interacting objects, a bigger system may also be seen as a set of interacting smaller subsystems that in turn are composed of a set of interacting objects. While designing the system, the stress lies on the objects comprising the system and not on the processes being carried out in the system as in the case of traditional Waterfall Model where the processes form the important part of the system.

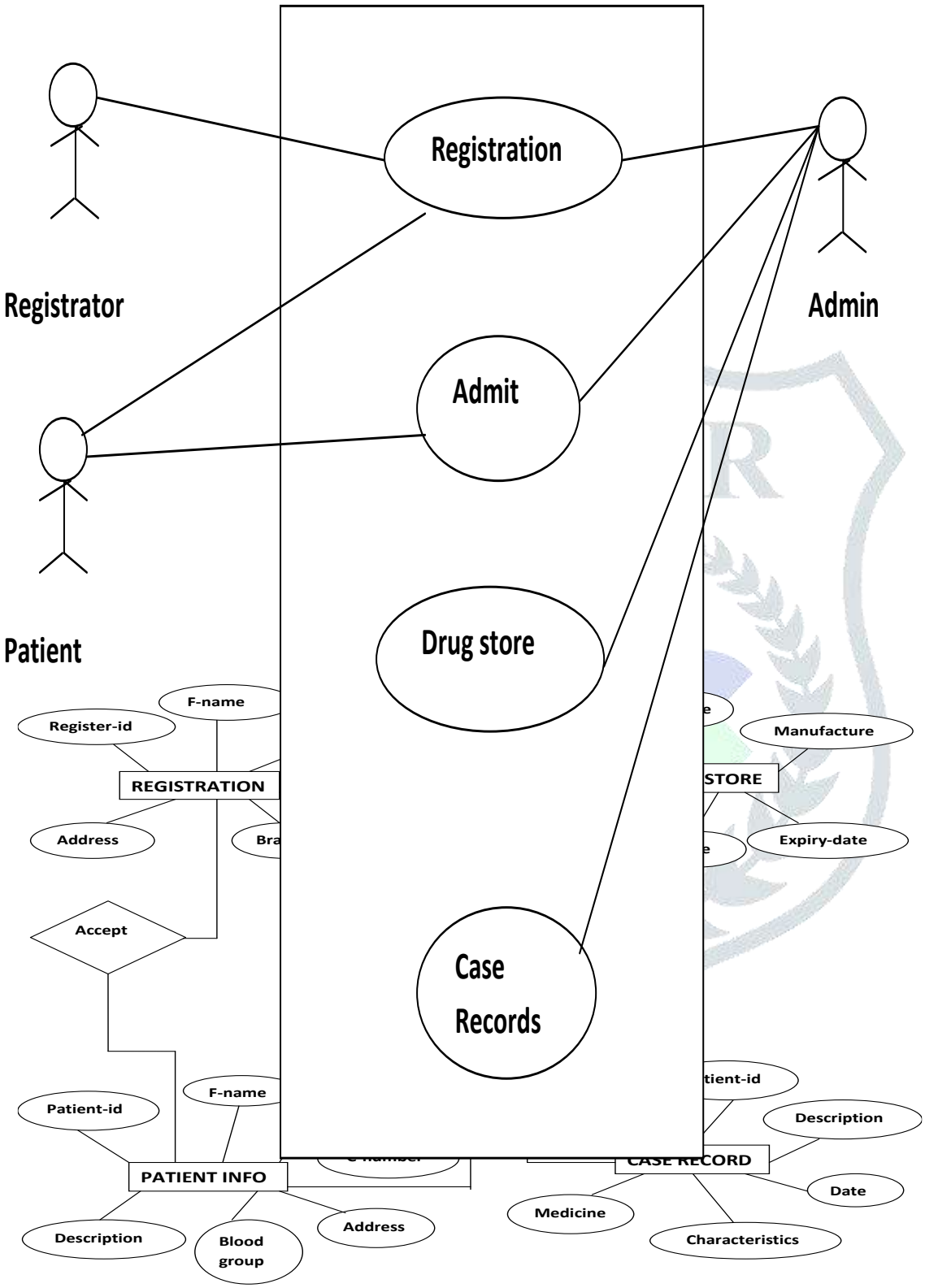
E R DIAGRAM

A data-flow diagram (DFD) is a graphical representation of the "flow" of data through an information system. DFDs can also be used for the visualization of data processing (structured design).

On a DFD, data items flow from an external data source or an internal data store to an internal data store or an external data sink, via an internal process.A DFD provides no information about the the timing or ordering of processes, or about whether processes will operate in sequence or in parallel. It is therefore quite different from a flowchart, which shows the flow of control through an algorithm, allowing a reader to determine what operations will be performed, in what order, and under what circumstances, but not what kinds of data will be input to and output from the system,

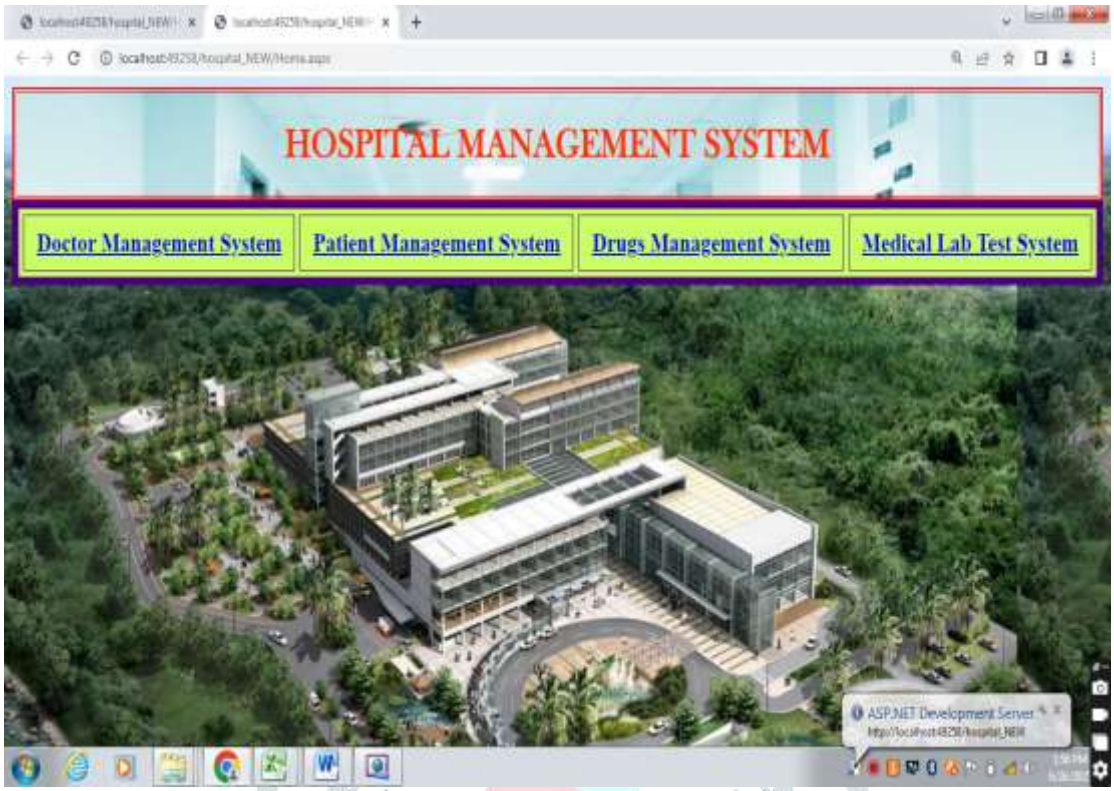


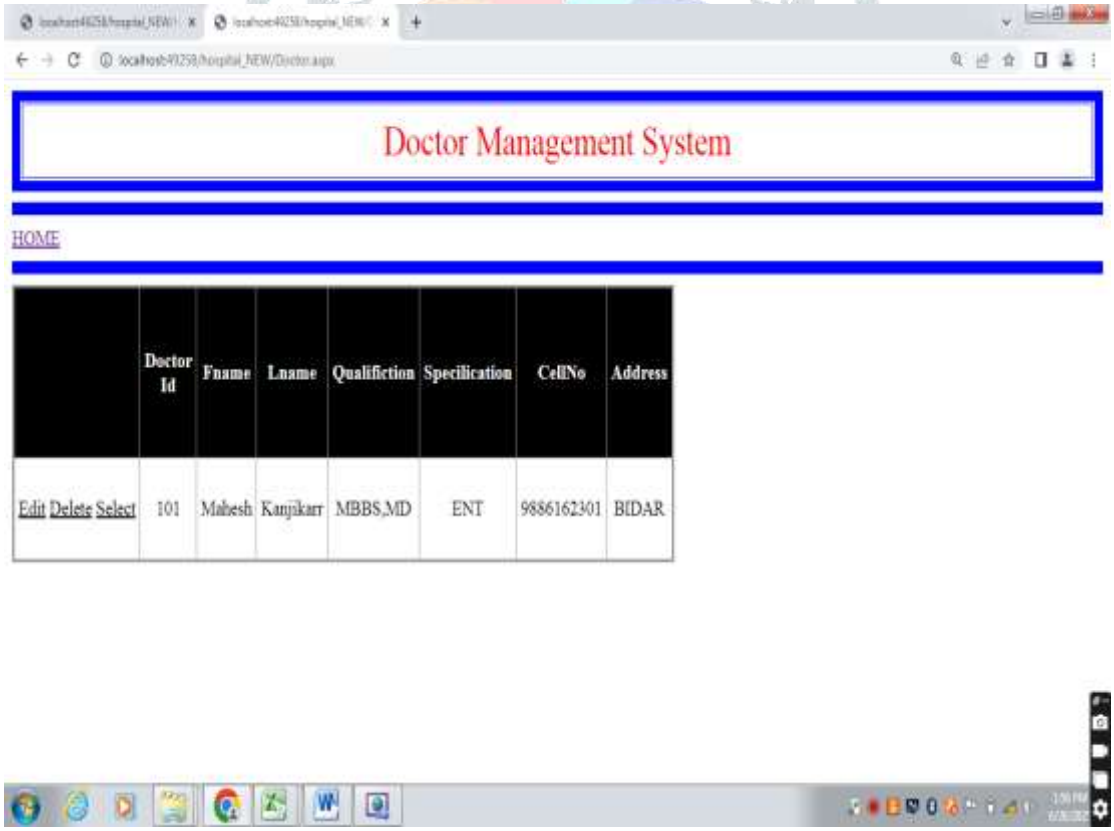
nor where the data will come from and go to, nor where the data will be stored (all of which are shown on a DFD).



OUTPUT

SCREEN SHOTS






Patient Management System
HOME
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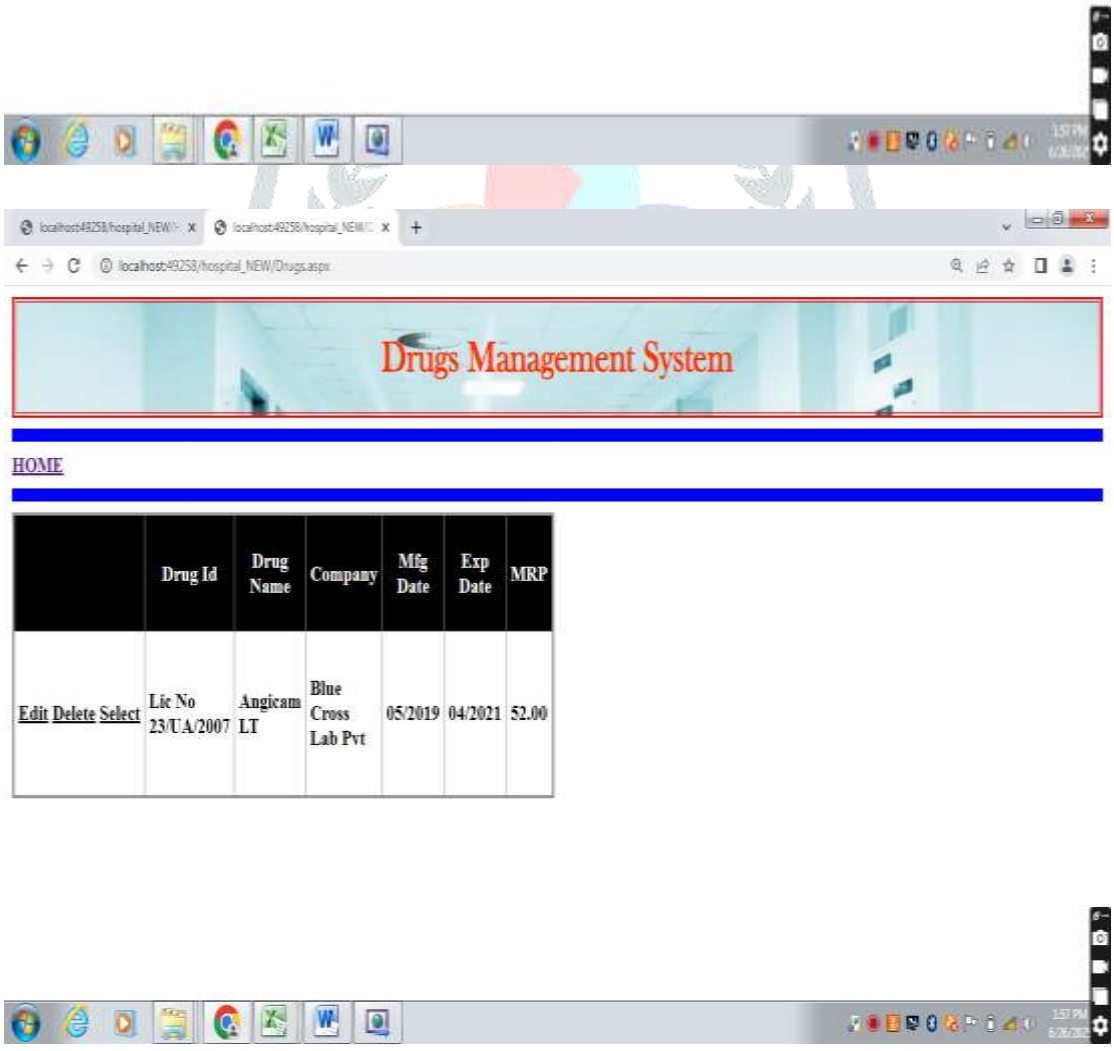
PatientName
Age
CellNo
Disease
TimePeriod
Edit Delete Select
11
Suresh
32
9887656544
Blood Pressure
5Yrs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HOME
Drug Id
Drug Name
Company
Mfg Date
Exp Date
MRP
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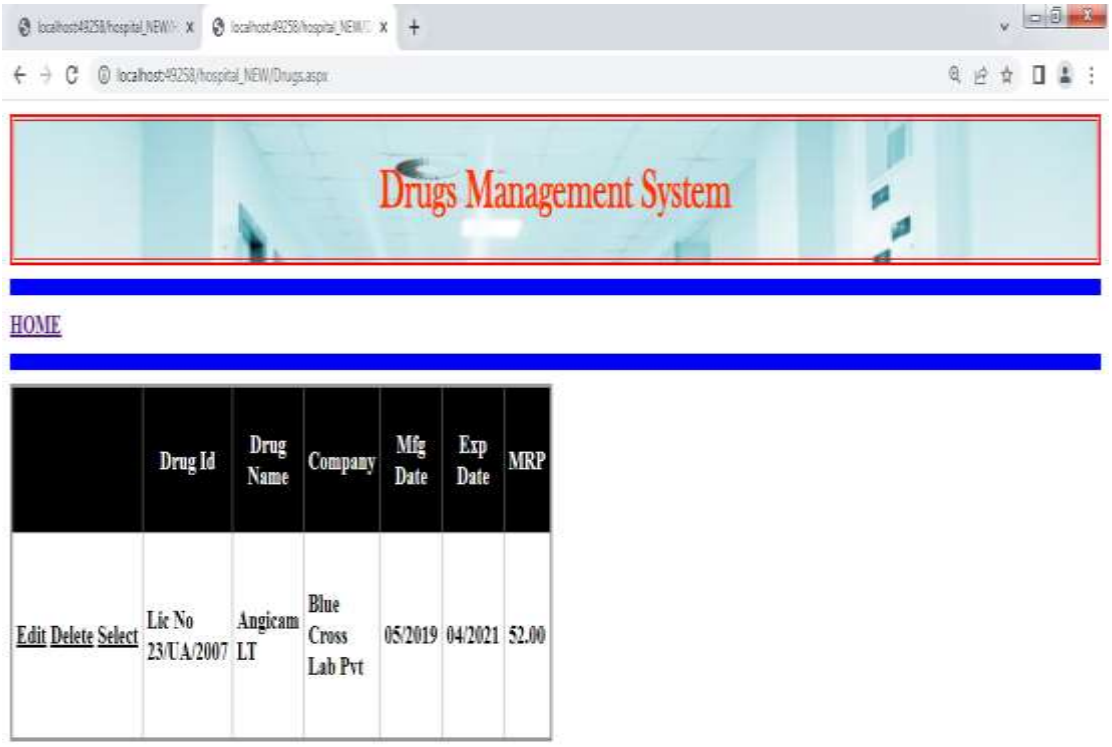
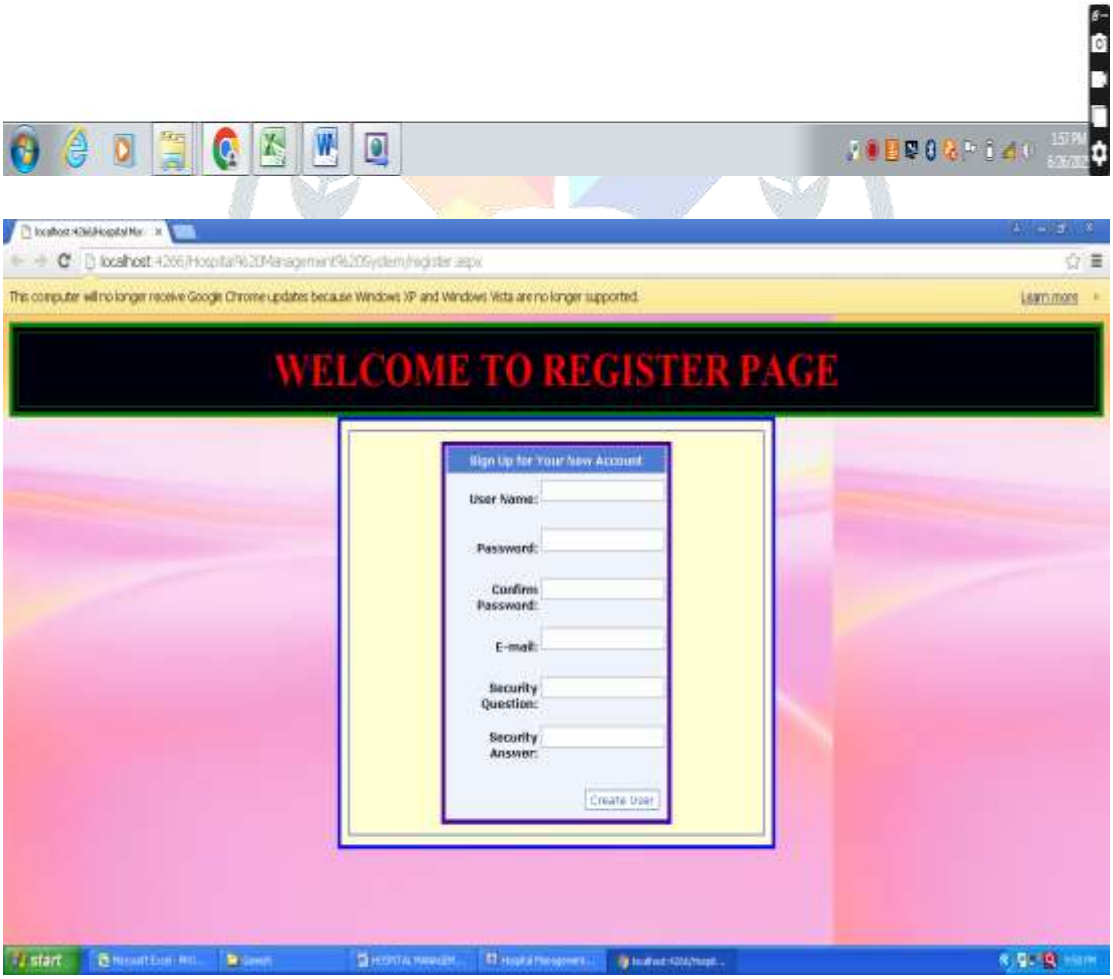
Blue Cross Lab Pvt
05/2019
04/2021
52.00





CONCLUSION

This project makes the process of managing the health center efficiently and since itsan web based multiple users can use it..

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