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PATIENT PORTAL

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1. INRTODUCTION:

Abstract –

In this project we are going to implement Online OR Offline web design Patient Portal System. There are three parts of this system one is for patient and second is for doctor and another is for admin or host. Doctor register to patient once in the system and patient self account open or fill up registration form add patient diseases record on portal, if patient shifted to another region or city and visit their any hospital for diseases their doctor can easily find out previous medicine or record of that patient on portal. This System can proof to be very useful in Accident and criticale cases where the Doctor is completely unknown with the injured person/coming patients and he need to operate him in emergency cases. Patient also have to access this portal but patient can change profile details only and view diseases record or history. Admin have permissions to approve or add doctor ,delete record ,insert record hospitals in system. We can have access to patient record using his/her Unique 12 digit Aadhar card number or Mobile Number.Adhar card number recheck for using adhar API otp base system that's using good security authurization of security elements .

1.1 GOALS AND OBJECTIVES:

This project is all about implementing Online of Patient Portal System. There are three parts of this system one is for patient and second is for doctor and another is for admin /host. Doctor register to patient once in the system and add patient diseases record on portal, if patient shifted to another region/city and visit their hospital for diseases their doctor mainly advantages can easily access or find out previous record of that patient on portal. Patient also have to access this portal but patient can change profile details only and view diseases record or history. Admin have permissions to approve or add hospitals in system,st subsystem is the user registration and the second subsystem is the authentication.

This System can proof to be very useful in Accident cases where the Doctor is completely unknown with the injured person and he need to operate him in emergency cases. admin host. Doctor register to patient once in the system and add patient diseases record on portal, if patient shifted to another region/city and visit their hospital for diseases their doctor can easily find out previous record of that patient on portal. Patient also have to access this portal

but patient can change profile details only and view diseases record or history. Admin have permissions to approve or add hospitals in system.

Password provides more security as every time the session starts the newpassword is created. There are two methods for session password i.e. pair based textual authentication scheme and color code-based authentication scheme. In a pair based textual scheme textual passwords are provided and in color code based scheme set of colors are provided

1.2 PROBLEM DEFINITION

The aim of this project is to design and implementation and to overcome the drawbacks of the present password systems, we are presenting a robust password scheme, which is multi-platform and easily adaptable for traditional personal computers, smart phones and web applications. Our proposed system has subsystems. The first subsystem is the user registration and the second subsystem is the authentication.

2. Methodology:

2.1 Feasibility Study

2.1.1. Technology

Online and Responsive.

2. Front end Design (html,css,java script)

3. Back end Design(sql (access)).

4. Finance: Open source (Free of cost)

5. Resources:

1. Computer/Mobile
2. Internet
3. Server
4. Domain Name

6. Effort and Cost Estimation:

Our team is going to implement this Online Patient Portal System.

We required Six month time period for completion of this project.

The success of any system exists mainly from the end user prospective, whether the system provides the proper information & ease of operation. The crucial parts of system are decided upon the user requirement & to provide him the best solution. The feasibility study is

useful to evaluate the cost and benefits of the system requested. Feasibility study tries to anticipate future scenarios of software development. The various alternatives of feasibility study such as operational, economical & technical feasibility are studied.

acceptability of the system. It checks whether the system will be useful if it is developed and implemented, are the users of the system able to handle the system, whether the proposed system cause any trouble.

Solution to the operation feasibility, it is essential for the analyst to be in contact with the users through the development of the system, so that the analyst is aware of the problems of end users. The positive aspect us that the work, which will normally require several days, can be accomplished within the few hours.

2.2 TIME AND SPACE COMPLEXITY

TIME COMPLEXITY:

Time require for execute the program is known as Time Complexity Time Complexity of this project is $O(1)$.

Time Complexity = $O(n)$

SPACE COMPLEXITY:

The number of memory cells which an algorithm needs is known as Space complexity,

Space Complexity = $O(n)$

2.3 ECONOMICAL FEASIBILITY STUDY:

This feasibility is useful to find the The Online Patient Portal System development cost and checks whether it is justifiable. For this purpose it checks investigation cost, software and hardware cost, training cost, salaries, maintenance cost etc. In a company if we use a computerized system then there will be tremendous increase in speed and accuracy of system. And obviously it will help the increase the profit and also improve quality of service to employees.

This platform income only pharma company or some patient service example medicine .as a gives a patient free service

2.4. LITERATURE SURVEY

This project is all about implementing Patient Portal System. There are three parts of this system first is for patient and second is for doctor and another is for admin /host. Doctor register to patient or self register for using adhar number and mobile number once in the system and add patient diseases record on portal, if patient shifted to another region/city and visit their any hospital for diseases their doctor can easily find out previous record of that patient on portal. Despite the increasing availability of online patient portals that provide access

to electronic health records Patient also have to access this portal but patient can change profile details only and view diseases record or history. Admin have permissions to approve or add hospitals in system. The first subsystem is the user registration and the second subsystem is the authentication

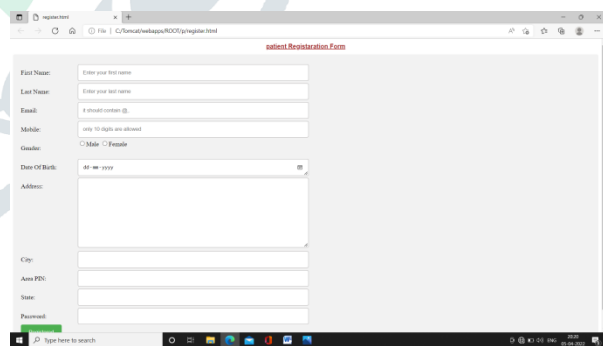
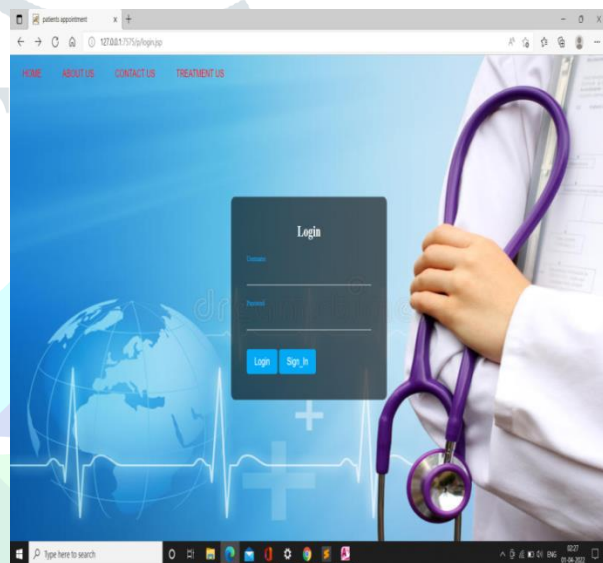
4. DETAILS WORKING OF PROJECT:

The project illustrated in this paper is entirely based on the idea of Helping The needy patients and injured ones. Here, the main objective of this project is also to reduce paper work and the idea of carrying the medical file everywhere Which is not possible and there is also a disadvantage of carrying file that it can cause the loss of important medical report. So it provide security to the confidential files, Reports in computing devices through Patient Id & passwords. It includes 3 phases: registration, primary level authentication, secondary level authentication (type-a-given captcha). The process of figuring out the validate person is accomplished in the following manner

3. MODELING AND ANALYSIS

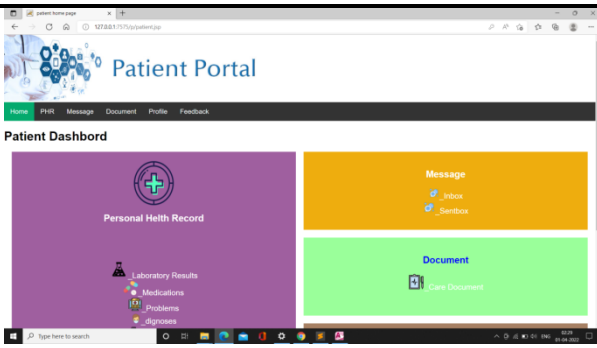
3.1 REGISTRATION & LOGIN:

Online patient portal provide first page or welcome page this page give only check which login id provide patient click on patient icon and doctor click on only doctor icon but all doctor have same patient id provide or complessery because as a same time one person doctor or patient possible and finally admin same page entry but this password id provide only developer but only patient registration possible doctor id only admin provide .When we run the application, a login form turn up, allowing the doctor to enter the patient id. The form appeared consists of three buttons-register, login, close. If the user is already a registered one, then clicking on the "login" button would advance him to the second phase of the application. If the user is not a registered member, then on doing the above action would generate a message box conveying "username does not exist". Thus, in order to make use of the application, the person must get registered by the admin. Consequently, on clicking the "register" button on the login form would display a window allowing the user to enter his mobile number. On submitting the mobile number, a password is directed to his mobile by the admin. Then, the user has to write down the password in the interface shown subsequently, and has to click on the "register" button below that interface. On doing so, registration form appears. Thereafter, the user enters textual password whose minimum length is 8 and it contains even number of characters. If the user violates this protocol, then a message box expressing the fault with the textual password is displayed. This password is to be remembered as pair-based password, also known as secret pass.. Along with these, graphical password (draw-a-secret) using the 3X3 grid is sketched. Moreover, basic details like first name, last name, and more info



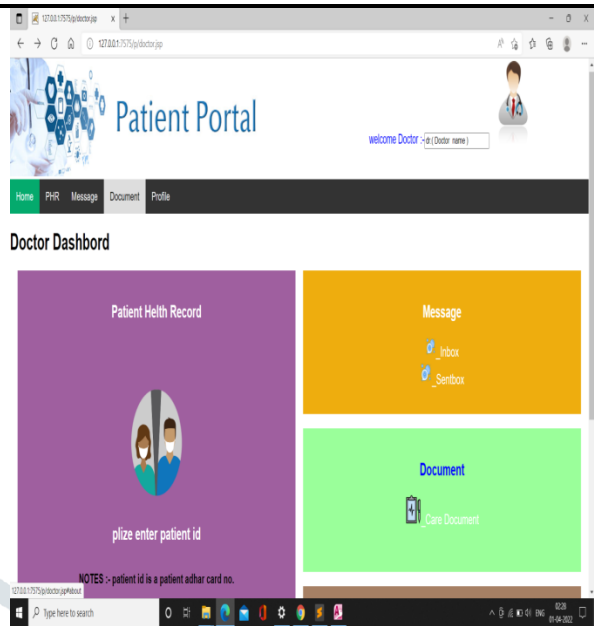
3.2 PATIENT DASHBOARD:

in patient portal system provide feature for patient and display patient requirement example patient report and more information give or access to easy for user or patient and reduce stress and money for paper work and time patient dashboard provides access only to see a report but cannot do any changes to the profile.



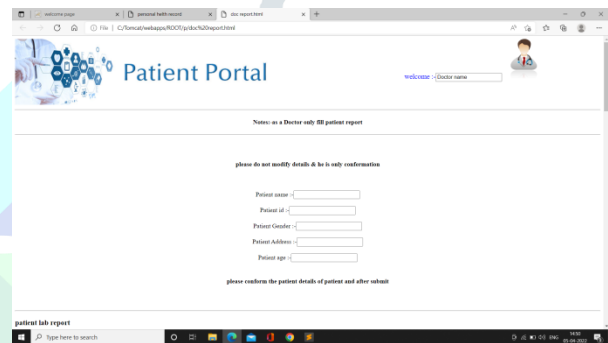
Patient report is displayed in table format this is very useful when doctor and patient had displayed information previous or past check up report

Patient report page can only see report as a patient or user level but his only be filled by doctor, lab assistant or admin.



Doctor first check patient id .

And after the information is filled .



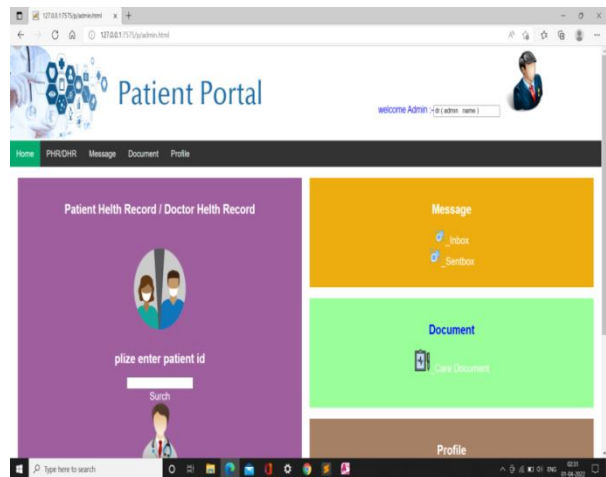
3.4 ADMIN/HOST:

Admin has full athority of change online service of report and add more operation example: add doctor add lab assistant and admin, check database and more

3.3 docror Dashboard:

Doctor and lab assistant can provide and fill the information of patient health report because phisicaly information share is very difficult and give more time and money this portal provide online and offline service .

Doctor fill the report of patient then patient portal of this platform provide to pay money for doctor as a same of youtube platform

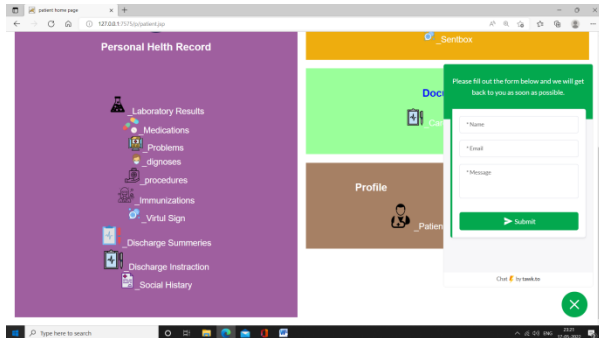


3.5 SMS:

3.5.1 sms service

Sms service provide good reliabilty of patient and user .

This service provide external API services example (tawk.to)etc.



3.6. Future Work

.same as youtube service use of user and give in portal data paid a servicer

.adhar API call registration avoid dublication

The proposed architecture and access control mechanism have been formulated in the thesis. Future researches are listed below:

. Extend rule-based access control engine to enforce authorization of workflow-based services.

.and more future work

4.RESULTS AND DISCUSSION:

This external study of experiences patient using there patient portal acces the lab report results in portal The patient representatives did not participate in the workgroup from the beginning and the less timing of patient involvement in the process

5. Conclusion:

In this project we are going to implement Patient Portal System in this project mainly three part user,doctor,admin

The review of result patient portal is currently immature and standardized operation perform and more high quality study. And fully understable format of such portal

7.References:

- 1.WWW.E-HEALTH SERVICE.COM
- 2.WWW.GOOGLE.COM
- 3.WWW.WIKI.COM