Ranking Information in a Secured Social Network for Social Responsibility and Protect Data from Stealing Attack

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ABSTRACT

A social-networking is created to facilitate the physically impaired and chronicle patients. Through which patients can access doctors and doctors could be able to suggest their views through comments. This web site would be a helping hand for the people to share their problem in personal with the doctors whom they prefer and it also helps people those who are overseas. The social website maintain its privacy and it is also efficient and time saving, where patient records are secured and it cannot be traced by any other person. This forum is being created for the welfare of the patients . The paper aims at the point that they ask their queries to doctors and clear their panic at ease. The records of the patients are maintain in a concealed manner and also help to maintain friendly relationship between the patient and the doctors.

Keywords : Concealed, Social-Networking, Efficient

I. INTRODUCTION

Social networking are used to share information with friends. People may use social networking services for different reasons: to network with new contacts, reconnect with former friends, maintain current relationships, build or promote a business or project, participate in discussion about a certain topic, or just have fun meeting and interacting with other users

Face book and Twitter, have a broad range of users. LinkedIn has positioned itself as a professional networking site. Profile includes resume information, and groups are created to share questions and ideas with peers in similar field.

The paper co-relate with social networking site. The patients and the doctors are the users in this site. The patient help to put their query and doctors would answer to their query. The patient information would be maintained secret in this site

II. LITERATURE SURVEY

Social websites are playing a major role in the day to day activities of the human life. People prefer the social websites because they are informative, inexpensive, updated and easy to access. These websites help to gain knowledge about the happenings around the world. People can get in touch with the people living in other part of the world or discover new friends via communication. People can also find their alumni with the aid of these web sites. The development of technology in online services arise to different brands protection threats. These brands of threats has to be banded in the existing social networking sites. There must be some safety measure and privacy management to protect users data from the users who are not authorized by the site [2].

The number of regulators involved in using the online social website, such as Orkut, Face book, Google +, twitter has been gradually used among the people. In these online social websites users have to furnish their personal data which help them to connect with their relations and friends. The personal data furnished in the above web site must be protective and kept safe in order to maintain the

privacy of the user. The web sites prefer the "information private" to maintain user security [1].

When personal data untied by the users in online social website have a threat of hacking. In this website the bonding between the user and their kith and kin is given as edges and nodes (graph structure). Node is the user network and edge is the relationship with their friends. The method of classifying involves collective inference, local classifier and relative classifier [3].

Learning algorithm is been adopted to release or predict the personal information. In order to overcome the classifiers attack the method of sanitization are implemented in various kinds of situations to avoid inference attack. The sensitive attribute of the data set is been used in the method of collective inference. Then relational classifier and local algorithms is used [2].

The security and privacy management of POSN is to protected data of the users by development of 2.0 technologies. For the encryption of data and key Cryptographic mechanism is used. The security of POSN gives more protection to personal data than social networking websites[1].

Michael Hay, Gerome Miklau, David Jensen, Philipp Weis, and Siddharth Srivastava consider several ways of anonym zing social networks. Advances in technology have made it possible to collect data about individuals and the connections between them, such as email correspondence and friendships. Agencies and researchers who have collected such social network data often have a compelling interest in allowing others to analyze the data. Hay et al. and Liu and Terzi consider [7].

III. SECURITY SYSTEM IN SOCIAL NETWORKING

The basic principle of online social networking is the sharing of personal information. Only if the personal data entered by the user is valid, then the site accepts the information given by the person or else the information is not accepted by the site. If the information is been verified by the site it gives the conformation code then it allow the person to interact and communicate with his friends. But user is not aware of the fact where their own personal information is being stored or how their details are stored,

who all could be able to access and administrate the information.

The detail is vulnerable .i.e., the data are stored in means of digital method and this information could be easily stored, copied, duplicated and misused by UN authorized person. This could be a menace and this paves the way to disclose the personal information and target the specified person for the purposes to corner them with their personal detail available in the web site which they did not imagine. This sort of hacking is common nowadays.

This website is more secure for the patients in whom they could ask their queries in personal in created the forum and they will be able to get the best solution for their query and also it provides security for the data given by them.

3.1 Security In Networking

The user who furnished his/her personal information, through the concerned website should be assured that all the information given by them will be maintained under proper supervision and privacy is assured. In this website the user are aware of the fact where their own personal information are being stored, how their details are stored, who is accessing and administrating their information.

3.2 Threats In Security Networking

All the information that is been stored in the digital medium will be the user's permanent record. The detail that is available in digital medium is unprotected, it paves way for the unauthorized user to track the information .The fetched information which is probably accurate. And with those information user are forced to threats .The future threats can be classified based on traditional networking of online social networking as the security of the information stored, threats related to privacy [5].

IV. PROPOSED SYSTEM

The two main parts of the proposed system are security management and social responsibility is been carried out.
This site developed using web2.0 technology using ORACLE 11g, HTML, AJAX, Tool kit, web-services, XML.
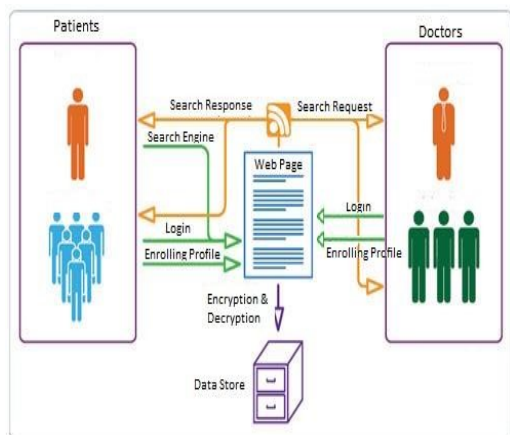
Figure 1. Architecture Diagram

The login page is the first page to enter into the web site. The registered user could login through the user name and password provided. The new users should register them self in the website by giving their details.

This is the forum where the patients could post their query and the doctors could clear their doubts. In this site the patient could choose their doctor as they wish and priority is been given as the suggestion to them to select the doctor. The doctor also has the added advantage that they can also select the patient according to their stream. The patient could clarify their doubts through conversation. The doctor advise to the patient is been automatically updated in their profile. The patient information is secured because all the data are encrypted.

V.   FUNCTIONAL REQUIREMENTS

This website provides a platform where everyone affiliated to this website could transfer information in an effective manner. And also plays a major role in guiding others in the proposed state.

This forum is extensible according to the users view. The content could be added by the user according to the needs and requirements. The user can change the portion of the site by using functionality.

The dynamic content of the site have the following features like A-nalization of the topics automatically, group discussions, the searches based on auto recommend threats.

The site help in providing number of relieving measures to the search of patients query identify the diseases and also gives the best suggestions to the patient based on the availability of the resources in the patient locality.

For adding new users, Authenticity is one of the most important factors for the website.

The user is allowed to create only one profile at a time and the usage of more than one profile is forbidden in this website.
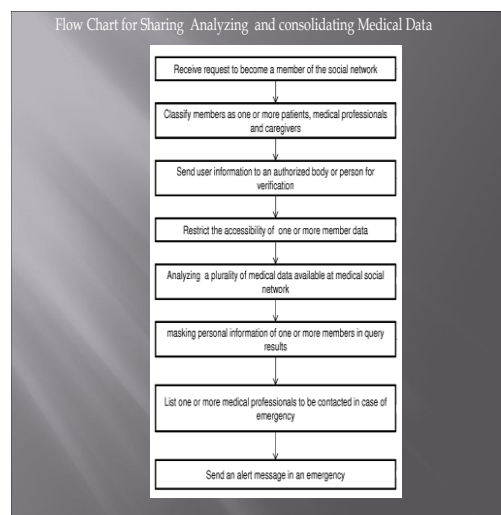

Figure 2. Medical Data Analysis

VI. PROPOSED METHODOLOGY

In this proposed methodology the working of the system is been explained in detail. The following users can be registered with personal and professional details in the Social Network. The users using this networking site of the proposed system consist of patient and doctor. The registration must be done in the system by entering their professional and personal details. The information filled forms is stored in the presentation layer. The validated information collected is stored.

o   Physically challenged persons
o   Patients with chronicle disease
o   Doctors

The user must enter their detail in the registration form all the field are mandatory .if an field is un filled then the registration fails. This flow chart describes the registration form of the patient.
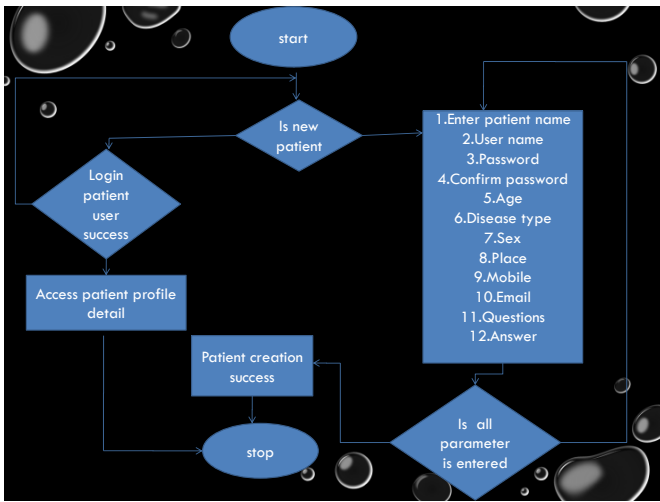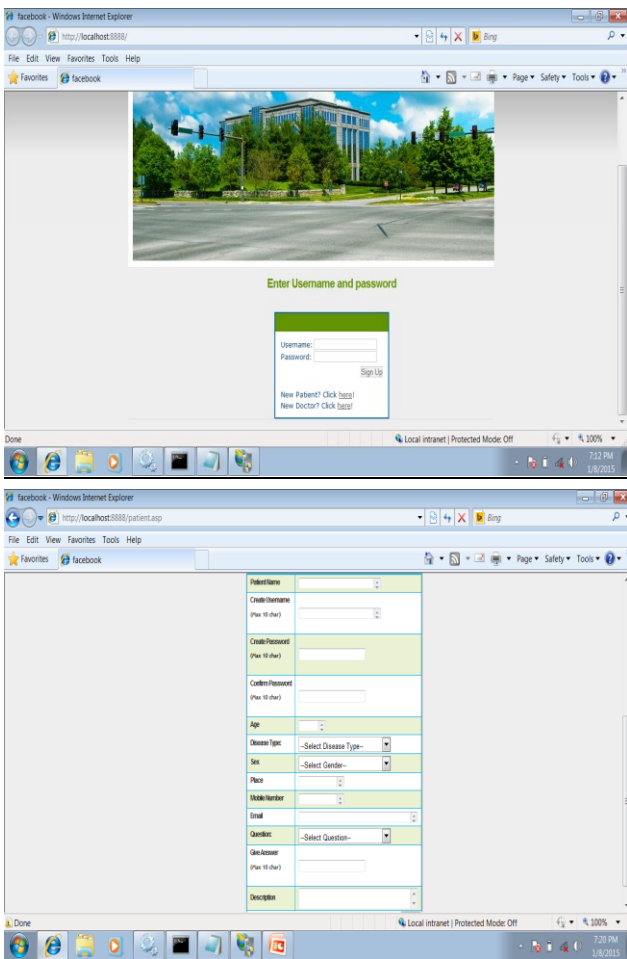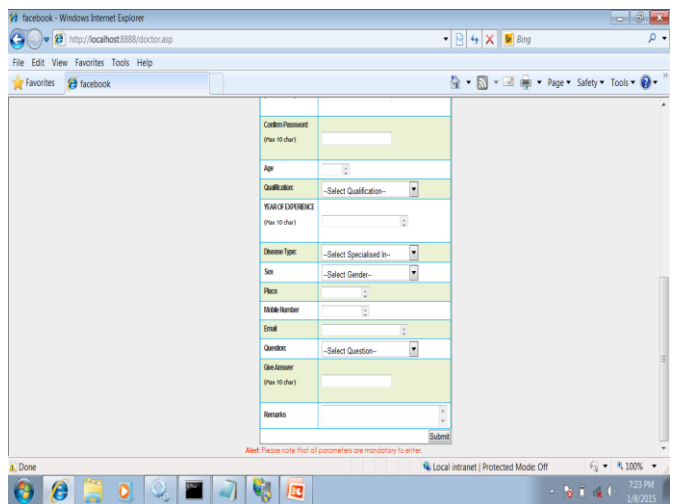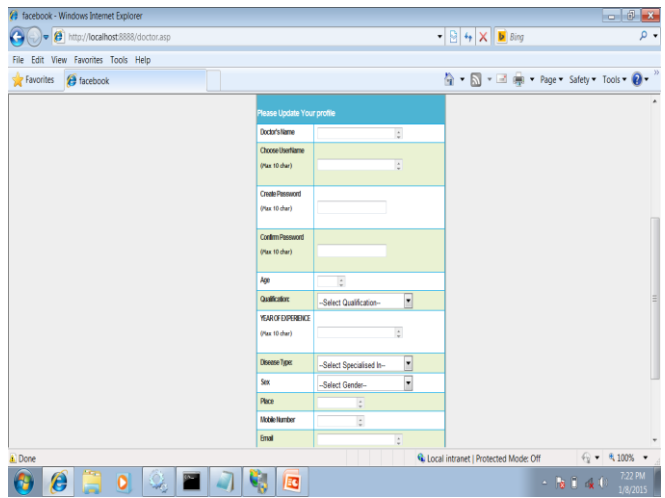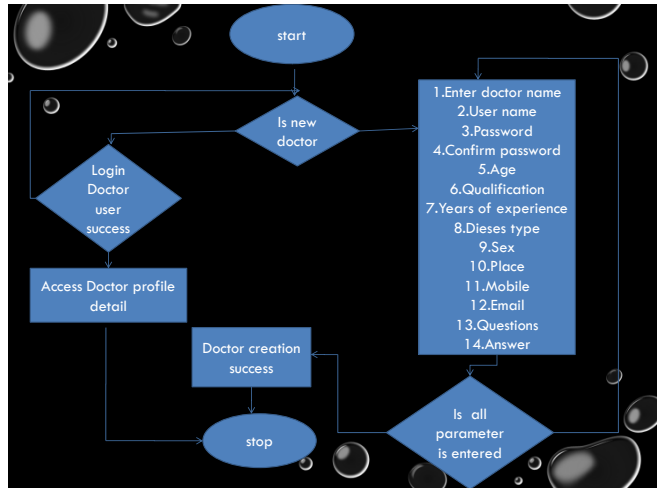
Figure 3. Registration Form of a Patient

The registration form of the user i.e. patient and doctor
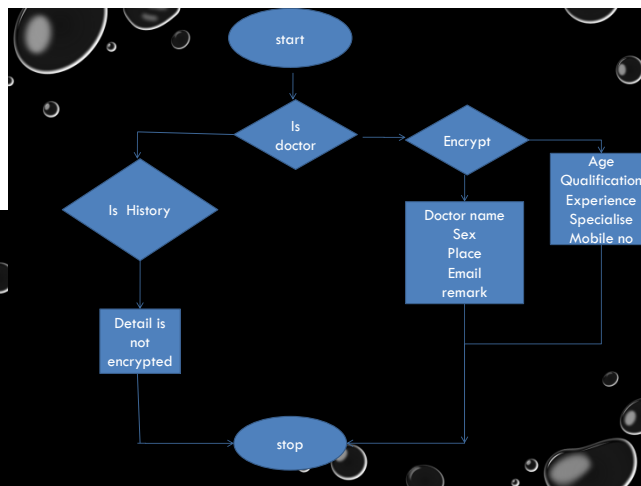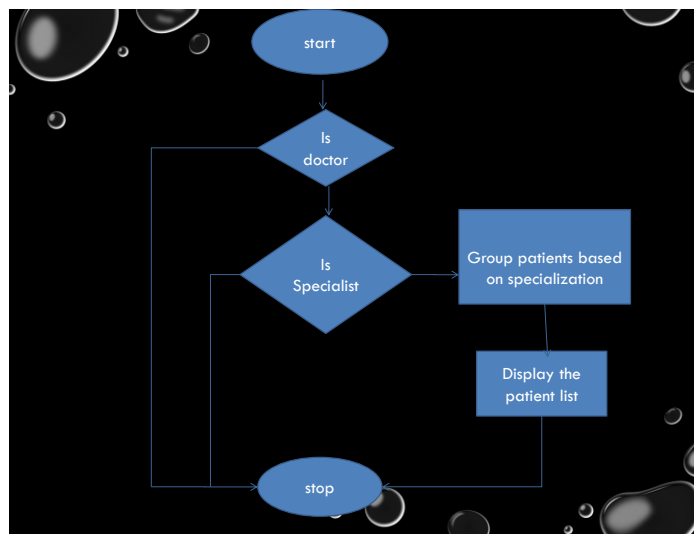

This flow chart describes the registration form of the doctor.

The data registered by the users are segregated into different categories which are known user profiling. The grouping and segregation of the user is dependent on their age.

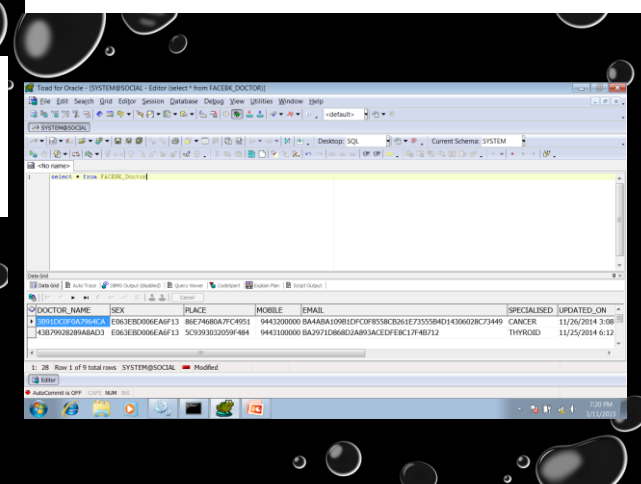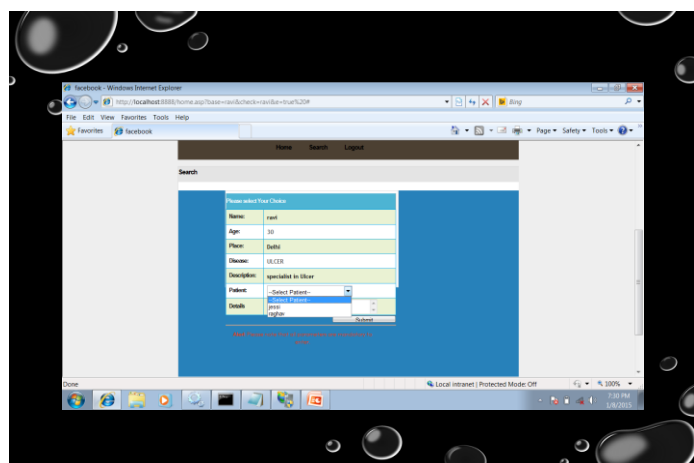The register user are patient and doctor they are been grouped according to their profile. The patient are divided into group according to their diseases and doctors are

divided according to their area of specialization .Users are grouped under Doctor or Patient.Sub-group is created based on the area of specialization
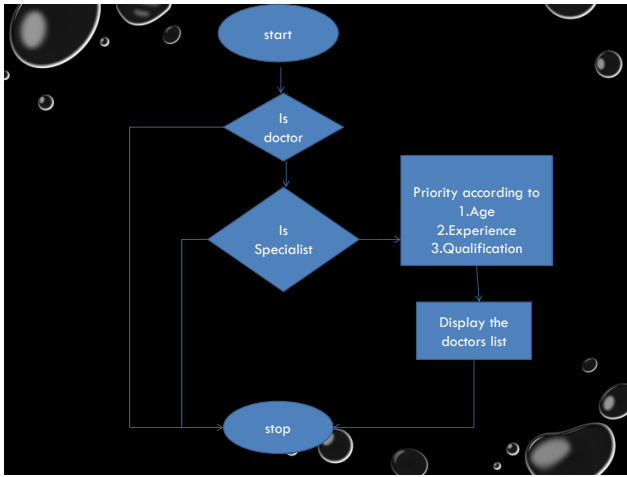

The patient and doctor is been segregated according to their disease and area of specialization

The creation of the social site is been done by collecting the personal data in this forum, and it could not be avoided is case of any security issue to the data provided. The data that is been loaded with age and Mobile Number is been encrypted and stored for security issue. The data stored in database like age, date of birth, mobile no and other personal detail are encrypted and represented as hidden character.

The patient registered in this network is in full safe. They need not worry about their detail. Their detail are encrypted and saved in data base.


Doctors are the main user of this reputed website. The doctors have all rights to go through the medical record and profile of the chronic patients and prescribe the patients according to their patient's queries. If multiple suggestion are posted from different doctors for the identical query, the doctor's reply are prioritized according to the experience and professional qualification of the doctors.

The priority of the doctor is been given in the system. The doctor is been priorities according to their age, experience, qualification. This will help the patient to select their doctor according to their wish
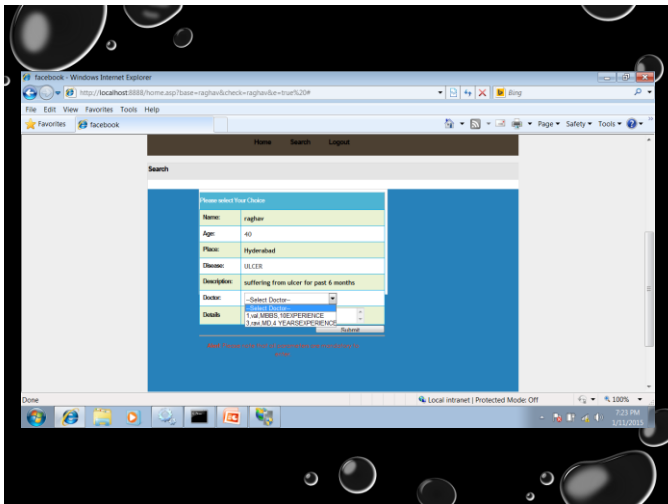
VII. ENEFETERS OF THIS PROPOSED SYSTEM

o   Physically challenged.
o   Chronic disease patients.
o   Treating doctors.
o   Family physicians.
o   Person living in overseas

VIII. CONCLUSION

The work is both beneficial to the patient and doctor in which both can communicate with each other. The medical records and personal detail of the patients are maintained with security and privacy. Not only the chronic and physically challenged patient is benefited but also the people in overseas can also have contact with their family physician.

All the detail of the patient is encrypted so the personal detail is kept secure in the created database. This web site is promising and time saving for the users. The patient can interact with the doctors with no hesitation. This networking is not only efficient and effective but it is still a user friendly.

IX. REFERENCES

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