A NATURAL LANGUAGE PROCESSING FRAMEWORK FOR ASSESSING HOSPITAL READMISSIONS FOR PATIENTS WITH COPD

**INTRODUCTION:**

With the passage of recent federal legislation many medical institutions are now responsible for reaching target hospital readmission rates. Chronic diseases account for many hospital readmissions and Chronic Obstructive Pulmonary Disease has been recently added to the list of diseases for which the United States government penalizes hospitals incurring excessive readmissions. Though there have been efforts to statistically predict those most in danger of readmission, few have focused primarily on unstructured clinical notes. We have proposed a framework which uses Natural Language Processing to analyze clinical notes and predict readmission. Many algorithms within the field of data mining and machine learning exist, so a framework for component selection is created to select the best components. Naïve Bayes using Chi-Squared feature selection offers an AUC of 0.690 while maintaining fast computational times.

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**LIST OF SYSMBOLS**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO** | **NOTATION**  **NAME** | **NOTATION** | **DESCRIPTION** |
| 1. | Class | *Class Name*  *-attribute*  *-attribute*  *+operation*  *+operation*  *+operation*  *+ public*  *-private*  *# protected* | Represents a collection of similar entities grouped together. |
| 2. | Association | name  Class B  Class A  Class A  Class B | Associations represents static relationships between classes. Roles represents the way the two classes see each other. |
| 3. | Actor | Class A  Class A  Class B  Class B | It aggregates several classes into a single classes. |
| 5. | Aggregation | Interaction between the system and external environment |

|  |  |  |  |
| --- | --- | --- | --- |
| 5. | Relation  (uses) | uses | Used for additional process communication. |
| 6. | Relation  (extends) | extends | Extends relationship is used when one use case is similar to another use case but does a bit more. |
| 7. | Communication |  | Communication between various use cases. |
| 8. | State | State | State of the processs. |
| 9. | Initial State |  | Initial state of the object |
| 10. | Final state |  | F inal state of the object |
| 11. | Control flow |  | Represents various control flow between the states. |
| 12. | Decision box |  | Represents decision making process from a constraint |
| 13. | Use case |  | Interact ion between the system and external environment. |

|  |  |  |  |
| --- | --- | --- | --- |
| 14. | Component |  | Represents physical modules which is a collection of components. |
| 15. | Node |  | Represents physical modules which are a collection of components. |
| 16. | Data Process/State |  | A circle in DFD represents a state or process which has been triggered due to some event or acion. |
| 17. | External entity |  | Represents external entities such as keyboard, sensors etc. |
| 18. | Transition |  | Represents communication that occurs between processes. |
| 19. | Object Lifeline |  | Represents the vertical dimensions that the object communications. |
| 20. | Message | Message | Represents the message exchanged. |

**LIST OF ABBREVATION**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **ABBREVATION** | **EXPANSION** |
| 1**.** | DB | DataBase |
| 2. | JVM | Java Virtual Machine |
| 3. | JSP | Java Server Page |
| 4. | CB | Collective Behavior |
| 5. | SD | Social Dimension |
| 6. | JRE | Java Runtime Environment |
| 7. | SSD | Sparse Social Dimension |
| 8. | LGP | Line Graph Partition |

**CHAPTER 1**

**INTRODUCTION**

* 1. **GENERAL:**

Clinical choice emotionally supportive network, which utilizes progressed information mining procedures to help clinician make legitimate choices, has gotten extensive consideration as of late. The focal points of clinical choice emotionally supportive network incorporate not just enhancing analysis exactness additionally lessening conclusion time. In particular, with a lot of clinical information produced regular, na¨ıve Bayesian grouping can be used to exhume profitable data to enhance clinical choice emotionally supportive network. Albeit clinical choice emotionally supportive network is entirely encouraging, the twist of the framework still faces numerous difficulties including data security and protection concerns. In this paper, we propose another security saving patient-driven clinical choice emotionally supportive network, which helps clinician integral to analyze the danger of patients' ailment in a protection safeguarding way. In the proposed framework, the past patients' verifiable information are put away in cloud and can be utilized to prepare the na¨ıve Bayesian classifier without releasing any individual patient therapeutic information, and afterward the prepared classifier can be connected to register the malady hazard for new coming patients furthermore permit these patients to recover the top-k sickness names as per their own inclinations. In particular, to secure the protection of past patients' verifiable information, another cryptographic apparatus called added substance homomorphic intermediary total plan is planned. Also, to influence the spillage of na¨ıve Bayesian classifier, we present a protection safeguarding top-k sickness names recovery convention in our framework. Nitty gritty protection examination guarantees that patient's data is private and won't be spilled out amid the sickness analysis stage. In expansion, execution assessment by means of broad recreations moreover shows that our framework can effectively ascertain patient's sickness hazard with high precision in a security protecting manner.

**1.2 OBJECTIVE:**

introduce a privacy-preserving top-k disease names retrieval protocol in our system.since individual historical medical data will disclose patient’s sensitive medical data to service provider, to minimize patient’s privacy disclosure, we also introduce a new aggregation technique called additive homomorphic proxy aggregation (AHPA) scheme, which allows service provider to build na¨ıve Bayesian classifier without leaking any individual historical medical data. Even the service provider and cloud platform (CP) collude, no party can get any information about the individual historical medical data except for the owner himself, and only the aggregated data can be accessed by the service provider

.

**1.3 EXISTING SYSTEM**

Clinical decision support system, which uses advanced data mining techniques to help clinician make proper decisions, has received considerable attentionsystem include not only improving diagnosis accuracythe algorithm is run by TA to generate public key and private key for DP i and PU

DRABACKS:

* It difficult to protect historical data
* This system can’t find out disease diagnosis

**1.3.2 LITERATURE SURVEY:**

**Title:**A Machine Learning Approach to Improve Contactless Heart Rate Monitoring Using a Webcam

**Author:**Hamed Monkaresi, Rafael A. Calvo, and Hong Yan

**Year:**2010

**DESCRIPTION:**

Unobtrusive, contactless recordings of physiological signals is very important for many health and human-computer interaction applications. Most current systems require sensors which intrusively touch the user’s skin. Recent advances in contact-free physiological signals open the door to many new types of applications. This technology promises to measure heart rate (HR) and respiration using video only. The effectiveness of this technology, its limitations, and ways of overcoming them deserves particular attention. In this paper, we evaluate this technique for measuring HR in a controlled situation, in a naturalistic computer interaction session and in an exercise situation. For comparison, HR was measured simultaneously using an electrocardiography (ECG) device during all sessions. The results replicated the published results in controlled situations, but show that they cannot yet be considered as a valid measure of heart rate in naturalistic Human-Computer Interaction (HCI). We propose a machine learning approach to improve the accuracy of HR detection in naturalistic measurements. The results demonstrate that the root mean squared error is reduced from 43.76 beats per minute (bpm) to 3.64 (bpm) using the proposed method.

**Title:**Computer-assisted decision support for the diagnosis and treatment of infectious diseases in intensive care units

**Author:**C A M Schurink, P J F Lucas, I M Hoepelman, M J M Bonten

**Year:**2005

**DESCRIPTION:**

Diagnosing nosocomial infections in critically ill patients admitted to intensive care units (ICUs) is a challenge because signs and symptoms are usually non-specific for a particular infection. In addition, the choice of treatment, or the decision not to treat, can be difficult. Models and computer-based decision-support systems have been developed to assist ICU physicians in the management of infectious diseases. We discuss the historical development, possibilities, and limitations of various computer-based decision-support models for infectious diseases, with special emphasis on Bayesian approaches. Although Bayesian decision-support systems are potentially useful for medical decision making in infectious disease management, clinical experience with them is limited and prospective evaluation is needed to determine whether their use can improve the quality of patient care.

**Title:**Secure k-Nearest Neighbor Query over Encrypted Data in Outsourced Environments

**Author:**Yousef Elmehdwi, Bharath K. Samanthula and Wei Jiang

**Year:**2013

**DESCRIPTION:**  
For the past decade, query processing on relational data has been studied extensively, and many theoretical and practical solutions to query processing have been proposed under various scenarios. With the recent popularity of cloud computing, users now have the opportunity to outsource their data as well as the data management tasks to the cloud. However, due to the rise of various privacy issues, sensitive data (e.g., medical records) need to be encrypted before outsourcing to the cloud. In addition, query processing tasks should be handled by the cloud; otherwise, there would be no point to outsource the data at the first place. To process queries over encrypted data without the cloud ever decrypting the data is a very challenging task. In this paper, we focus on solving the k-nearest neighbor (kNN) query problem over encrypted database outsourced to a cloud: a user issues an encrypted query record to the cloud, and the cloud returns the k closest records to the user. We first present a basic scheme and demonstrate that such a naive solution is not secure. To provide better security, we propose a secure kNN protocol that protects the confidentiality of the data, user’s input query, and data access patterns. Also, we empirically analyze the efficiency of our protocols through various experiments. These results indicate that our secure protocol is very efficient on the user end, and this lightweight scheme allows a user to use any mobile device to perform the kNN query.

**Title:**Public-Key Cryptosystems Based on Composite Degree Residuosity Classes

**Author:**Pascal Paillier

**Year:**2000

**DESCRIPTION:**

This paper investigates a novel computational problem, na- mely the Composite Residuosity Class Problem, and its applications to public-key cryptography. We propose a new trapdoor mechanism and derive from this technique three encryption schemes : a trapdoor permu- tation and two homomorphic probabilistic encryption schemes computa- tionally comparable to RSA. Our cryptosystems, based on usual modular arithmetics, are provably secure under appropriate assumptions in the standard model.

**Title:**k-NN Classification over Semantically Secure Encrypted Relational Data

**Author:**C.Vanathy, Ramyaseruba

**Year:**2015

**DESCRIPTION:**

Data Mining has wide applications in many areas such as banking, medicine, scientific research and among government agencies. Classification is one of the commonly used tasks in data mining applications. For the past decade, due to the rise of various privacy issues, many theoretical and practical solutions to the classification problem have been proposed under different security models. However, with the recent popularity of cloud computing, users now have the opportunity to outsource their data, in encrypted form, as well as the data mining tasks to the cloud. Since the data on the cloud is in encrypted form, existing privacy-preserving classification techniques are not applicable. In this paper, we focus on solving the classification problem over encrypted data. In particular, we propose a secure k-NN classifier over encrypted data in the cloud. The proposed protocol protects the confidentiality of data, privacy of user’s input query, and hides the data access patterns. To the best of our knowledge, our work is the first to develop a secure k-NN classifier over encrypted data under the semi-honest model. Also, we empirically analyze the efficiency of our proposed protocol using a real-world dataset under different parameter settings.

**Title:**Feature selection for text classification with Naïve Bayes

**Author:**Jingnian Chen, Houkuan Huang, Shengfeng Tian, Youli Qu

**Year:**2008

**DESCRIPTION:**

As an important preprocessing technology in text classification, feature selection can improve the scalability, efficiency and accuracy of a text classifier. In general, a good feature selection method should consider domain and algorithm characteristics. As the Naïve Bayesian classifier is very simple and efficient and highly sensitive to feature selection, so the research of feature selection specially for it is significant. This paper presents two feature evaluation metrics for the Naïve Bayesian classifier applied on multiclass text datasets: Multi-class Odds Ratio (MOR), and Class Discriminating Measure (CDM). Experiments of text classification with Naïve Bayesian classifiers were carried out on two multi-class texts collections. As the results indicate, CDM and MOR gain obviously better selecting effect than other feature selection approaches.

**Title:**Machine Learning for Medical Diagnosis: History, State of the Art and Perspective

**Author:**Igor Kononenko

**Year:**2009

**DESCRIPTION:**

The paper provides an overview of the development of intelligent data analysis in medicine from a machine learning perspective: a historical view, a state of the art view and a view on some future trends in this sub¯eld of applied arti¯cial intelligence. The paper is not intended to provide a com- prehensive overview but rather describes some subeareas and directions which from my personal point of view seem to be important for applying machine learning in medical diagnosis. In the historical overview I emphasize the naive Bayesian classi¯er, neural networks and decision trees. I present a comparison of some state of the art systems, representatives from each branch of machine learning, when applied to several medical diagnostic tasks. The future trends are illustrated by two case studies. The ¯rst describes a recently developed method for dealing with reliability of decisions of classi¯ers, which seems to be promising for intelligent data analysis in medicine. The second describes an ap- proach to using machine learning in order to verify some unexplained phenomena from complementary medicine, which is not (yet) approved by the orthodox medical community but could in the future play an important role in overall medical diagnosis and treatment.

**Title:**Predictive data mining in clinical medicine: Current issues and guidelines

**Author:**Riccardo Bellazzi, Blaz Zupanb

**Year:**2008

**DESCRIPTION:**

The widespread availability of new computational methods and tools for data analysis and predictive modeling requires medical informatics researchers and practitioners to systematically select the most appropriate strategy to cope with clinical prediction problems. In particular, the collection of methods known as ‘data mining’ offers methodological and technical solutions to deal with the analysis of medical data and construction of prediction models. A large variety of these methods requires general and simple guidelines that may help practitioners in the appropriate selection of data mining tools, construction and validation of predictive models, along with the dissemination of predictive models within clinical environments.

**1.4 PROPOSED SYSTEM:**

**Proposed System**

We propose a new privacy-preserving patient-centric clinical decision support system, which helps clinician complementary to diagnose the risk of patients’ disease in a privacy-preserving way.we introduce a privacy-preserving top-k disease names retrieval protocol in our system

**1.4.1 ADVANTAGES IN PROPOSED SYSTEM:**

* This system easily find out disease diagnosis
* This system reducing diagnosis time.
* improving diagnosis accuracy

**CHAPTER 2**

**Privacy-Preserving Patient-Centric Clinical DecisionSupport System on Na¨ıve Bayesian Classification**

**2.1 GENERAL**

Public clouds are becoming increasingly popular due to their pay-as-you-go model, which attracts many small and medium businesses. Some of them, thanks to their success, have grown very large, each containing hundreds thousand of servers and hosting up to millions of virtual machines [1]. To support flexible and efficient internodes communication in these large-scale cloud data centers, researchers have proposed many novel designs (e.g., [2], [3]) for data center networks to replace traditional tree based architectures. However, the routing and forwarding protocols used in most designs are restricted to very specific deployment settings, leading to inflexible configuration and management. The situation has been revolutionized by Software Defined Networking (SDN), where the control plane, separated from the data plane, is implemented with a logically centralized controller. As a result, when adopting SDN, flow-based polices can be conveniently applied to achieve fine-grained control over the data center network.

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**2.2 METHODOLOGIES**

the algorithm is run by TA to generate public key and private key for DP i and PU.

**2.2.1 MODULES**

**MODULE:**

* **USER INTERFACE DESIGN**
* **HOSPITAL MANAGEMENT**
* **TRUST AUTHORIZES**
* **SYMPTOMS SOLUTION**
* **CHATTING TECHNIQUE**
* **REVIEWS**

**DESCRIPTION:**

* **User Interface Design**

To connect with server user must give their username and password then only they can able to connect the server. If the user already exits directly can login into the server else user must register their details such as username, password and Email id, into the server. Server will create the account for the entire user to maintain upload and download rate. Name will be set as user id. . Logging in is usually used to enter a specific page

* **Hospital Management**

To connect with server admin must give the username and password then only they can able to connect the server. If the admin have only the login process don’t register the admin. After logging it will go to the admin page that time admin also can use the process. The process is register the trust Authorizes and doctor.

* **Trust Authorizes**

Trust Authorizes to connect with server give their username and password then only they can able to connect the server. The trust authorizes are collect the historical data. The Authorizes are get data and upload the data for database. The process file upload that time file was encrypt the file store the value in database.

* **User Symptoms Solution**

The user enter the user page that time user view search the symptoms by patient that will be the find user solution. The user can also find value symptoms is the detail that value in the for user symptoms. The user or any person can be search the image that image background also set the value that find the image. The image can search the give key word that time image search the all the database and collect the matching the image. It will show the result for user or any person.

* **Chatting Technique**

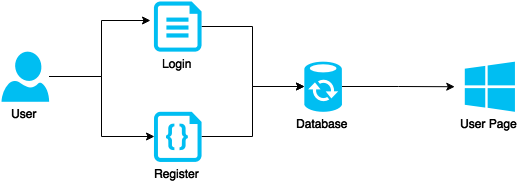
The user are chatting with doctor that used for the Verification. The result the symptoms based result is correct or not will verify the particular specialist doctor can replay the user query that query are used to take database values.

* **Reviews**

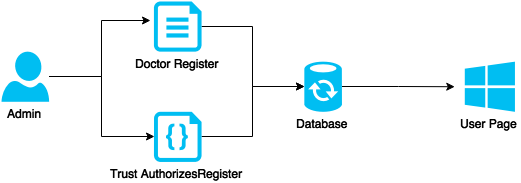
The feature enhancement we use Our future work will focus on the following we will exploit privacy preserving patient-centric clinical decision support systems with other advanced data mining techniques, We are doing reviews with the process.

**MODULE DIAGRAM:**

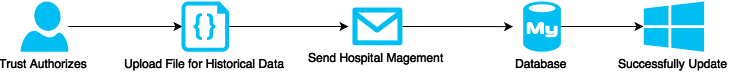
* **User Interface Design**

****

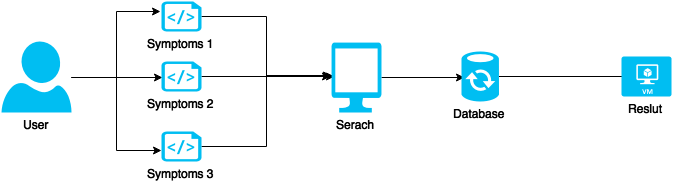
* **Hospital Management**

****

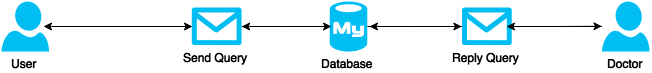
* **Trust Authorizes**



* **User SymptomsSolution**



* **Chatting Technique**



* **Reviews**



**2.3 SYSTEM TECHNIQUES:**

**Proposed System technique:**

Encrypt, Decrypt, Re-encrypt&Agg, and Re-decrypt

**Encrypt, Decrypt**

* This algorithm is executed by DP i. Let x(i) 2 ZN be the message which can be encrypted under DP i’s public key pkai . Then, the ciphertext can be calculated
* It can be decrypted by using DP i’s private key s

**Re-encrypt&Agg and Re-decrypt**

* This algorithm is executed by CP. The algorithm can be processed as follows: 1) For each DP i, the ciphertext in DP i’s domain [x(i)]pkai can be re-encrypted into PU’s domain by skai!P
* This algorithm is executed by PU. PU can decrypt the aggregated ciphertext CTAgg by using skP

**CHAPTER 3**

**REQUIREMENTS ENGINEERING**

**3.1 GENERAL**

These are the requirements for doing the project. Without using these tools and software’s we can’t do the project. So we have two requirements to do the project. They are

1. Hardware Requirements.

2. Software Requirements.

**3.2 HARDWARE REQUIREMENTS**

The hardware requirements may serve as the basis for a contract for the implementation of the system and should therefore be a complete and consistent specification of the whole system. They are used by software engineers as the starting point for the system design. It shows what the system does and not how it should be implemented.

PROCESSOR : PENTIUM IV 2.6 GHz,Intel Core 2 Duo.

RAM : 512 MB DD RAM

MONITOR : 15” COLOR

HARD DISK : 50 GB

* 1. **SOFTWARE REQUIREMENTS**

The software requirements document is the specification of the system. It should include both a definition and a specification of requirements. It is a set of what the system should do rather than how it should do it. The software requirements provide a basis for creating the software requirements specification. It is useful in estimating cost, planning team activities, performing tasks and tracking the team’s and tracking the team’s progress throughout the development activity.

Front End : J2EE

Back End : MY SQL 5.5

Operating System : Windows 07

IDE : Eclipse

**CHAPTER 4**

**DESIGN ENGINEERING**

**4.1 GENERAL**

Design Engineering deals with the various UML [Unified Modeling language] diagrams for the implementation of project. Design is a meaningful engineering representation of a thing that is to be built. Software design is a process through which the requirements are translated into representation of the software. Design is the place where quality is rendered in software engineering. Design is the means to accurately translate customer requirements into finished product.

**4.1.1 Use Case Diagram:**



**EXPLANATION:**

The main purpose of a use case diagram is to show what system functions are performed for user can login and enter the symptoms and get the value. And admin are update the doctor and trust authorizes register. The trust authorizes are upload the historical data. The doctor are user request the some query that query to reply the doctor. And user also post reviews. It will show all user.

4.1.2 **Class Diagram:**

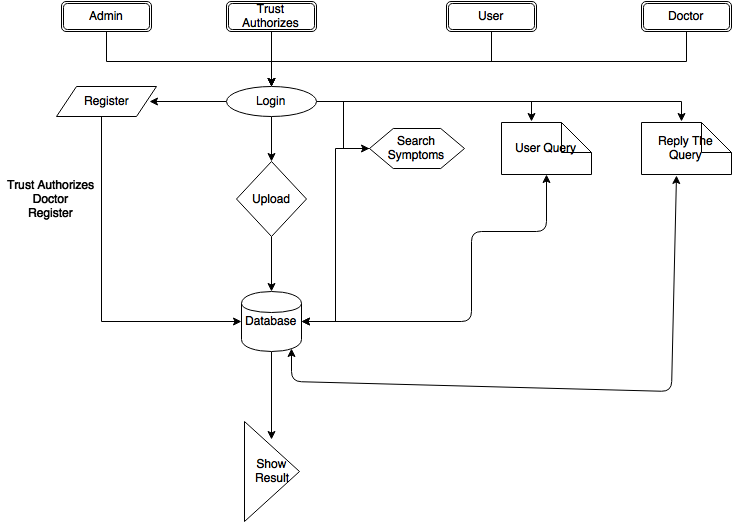


**EXPLANATION:**

The class diagram is the main building block of object oriented modeling. It is used both for general conceptual modeling of the systematic of the application, and for detailed modeling translating the models into programming code in the Diagram we are is to show what gadget features are achieved for user can login and input the symptoms and get the price. And admin are update the physician and trust authorizes register. The trust authorizes are add the ancient information. The medical doctor are person request the some question that question to answer the physician. And person additionally submit reviews. it will show all person

.

**4.1.3 Object Diagram:**



**EXPLANATION:**

Object diagram we are telling about the flow of objects how the process is running. In the above digram tells about the flow of objects between the classes.In the Diagram for is to show what device functions are executed for user can login and input the signs and symptoms and get the fee. And admin are update the health practitioner and agree with authorizes check in. The accept as true with authorizes are upload the historical statistics. The medical doctor are person request the some question that question to answer the physician. And user also put up reviews. it will display all consumer.

**4.1.4 State Diagram:**



**EXPLANATION:**

State diagrams require that the system described is composed of a finite number of states; sometimes, this is indeed the case, while at other times this is a reasonable abstraction. Many forms of state diagrams exist, which differ slightly and have different semantics. In the Diagram for is to expose what device capabilities are performed for user can login and enter the signs and symptoms and signs and symptoms and get the charge. And admin are replace the medical doctor and consider authorizes take a look at in. The take delivery of as actual with authorizes are upload the historical records. The clinical medical doctor are person request the some query that query to answer the medical doctor. And user also put up opinions. it will show all client.

**4.1.5 Activity Diagram:**



**EXPLANATION:**

In the Unified Modeling Language, activity diagrams can be used to describe the business and operational step-by-step workflows of components in a system. An activity diagram shows the overall flow of control. In the Diagram we show for is to expose what device capabilities are performed for user can login and enter the signs and symptoms and signs and symptoms and get the charge. And admin are replace the medical doctor and consider authorizes take a look at in. The take delivery of as actual with authorizes are upload the historical records. The clinical medical doctor are person request the some query that query to answer the medical doctor. And user also put up opinions. it will show all client.

**4.1.6 Sequence Diagram:**



**EXPLANATION:**

In our sequence diagram specifying processes operate with one another and in order. In our sequence diagram for is to expose what device capabilities are performed for user can login and enter the signs and symptoms and signs and symptoms and get the charge. And admin are replace the medical doctor and consider authorizes take a look at in. The take delivery of as actual with authorizes are upload the historical records. The clinical medical doctor are person request the some query that query to answer the medical doctor. And user also put up opinions. it will show all client.

**4.1.7 Collaboration Diagram**:

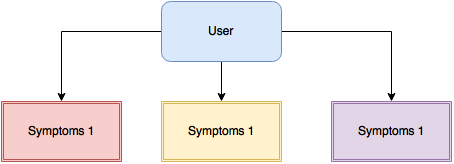


**EXPLANATION:**

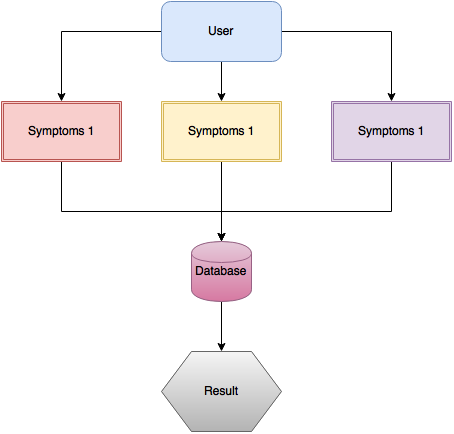
A collaboration diagram describes interactions among objects in terms of sequenced messages. Collaboration diagrams represent a combination of information taken from class, sequence, and use case diagrams describing both the static structure and dynamic behavior of a system. In the Diagram we show for is to expose what device capabilities are performed for user can login and enter the signs and symptoms and signs and symptoms and get the charge. And admin are replace the medical doctor and consider authorizes take a look at in. The take delivery of as actual with authorizes are upload the historical records. The clinical medical doctor are person request the some query that query to answer the medical doctor. And user also put up opinions. it will show all client

**4.1.8 Data Flow Diagram:**

Level 0:



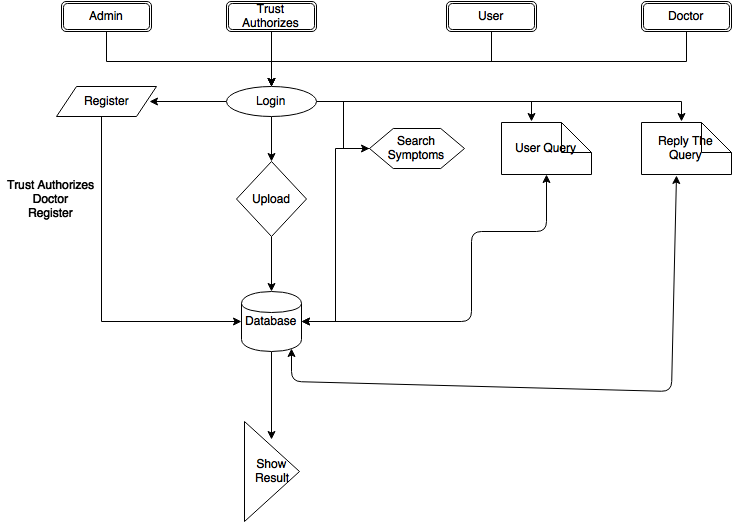
Level 1:



**EXPLANATION:**

It does not show information about the timing of processes, or information about whether processes will operate in sequence or in parallel. In the DFDs the level zero process is based on the login validations. What is the cloud user contained constraints send to the cloud provider.

**4.1.9 E-R Diagram:**



**EXPLANATION:**

Entity-Relationship Model (ERM) is an abstract and conceptual representation of data. Entity-relationship modeling is a database modeling method, used to produce a type of conceptual schema or semantic data model of a system, often a relational database. In the Diagram we show for is to expose what device capabilities are performed for user can login and enter the signs and symptoms and signs and symptoms and get the charge. And admin are replace the medical doctor and consider authorizes take a look at in. The take delivery of as actual with authorizes are upload the historical records. The clinical medical doctor are person request the some query that query to answer the medical doctor. And user also put up opinions. it will show all client

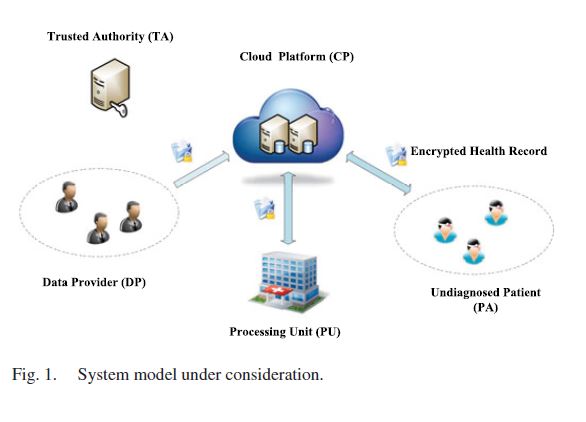
**4.1.10 Component Diagram:**

****

**EXPLANATION:**

In the Unified Modeling Language, a component diagram depicts how components are wired together to form larger components and they are used to illustrate the structure of arbitrarily complex systems. In the Diagram we show for is to expose what device capabilities are performed for user can login and enter the signs and symptoms and signs and symptoms and get the charge. And admin are replace the medical doctor and consider authorizes take a look at in. The take delivery of as actual with authorizes are upload the historical records. The clinical medical doctor are person request the some query that query to answer the medical doctor. And user also put up opinions. it will show all client

**4.1.11 System Architecture:**



**4.12 Conclusion:**

In this paper, we have proposed a PPCD using na¨ıve Bayesian classifier. By taking the advantage of emerging cloud computing technique, PC can use big medical dataset stored in CP to train na¨ıve Bayesian classifier, and then apply the classifier for disease diagnosis without compromising the privacy of DP. In addition, the patient can securely retrieve the top-k diagnosis results according to their own preference in our system. Since all the data are processed in the encrypted form, our system can achieve patient-centric diagnose result retrieval in privacypreserving way. For the future work, we will exploit PPCD with other advanced data mining techniques, such as SVM classification.

**CHAPTER 5**

**DEVELOPMENT TOOLS**

**5.1 GENERAL**

This chapter is about the software language and the tools used in the development of the project. The platform used here is JAVA.

**5.2 FEATURES OF JAVA**

**5.2.1 THE JAVA FRAMEWORK**

**Java** is a [programming language](http://en.wikipedia.org/wiki/Programming_language) originally developed by [James Gosling](http://en.wikipedia.org/wiki/James_Gosling) at [Sun Microsystems](http://en.wikipedia.org/wiki/Sun_Microsystems)and released in 1995 as a core component of Sun Microsystems' [Java platform](http://en.wikipedia.org/wiki/Java_(software_platform)). The language derives much of its [syntax](http://en.wikipedia.org/wiki/Syntax_(programming_languages)) from [C](http://en.wikipedia.org/wiki/C_(programming_language)) and [C++](http://en.wikipedia.org/wiki/C%2B%2B) but has a simpler [object model](http://en.wikipedia.org/wiki/Object_model) and fewer [low-level](http://en.wikipedia.org/wiki/Low-level_programming_language) facilities. Java applications are typically [compiled](http://en.wikipedia.org/wiki/Compiler) to [bytecode](http://en.wikipedia.org/wiki/Java_bytecode) that can run on any [Java Virtual Machine](http://en.wikipedia.org/wiki/Java_Virtual_Machine) (JVM) regardless of [computer architecture](http://en.wikipedia.org/wiki/Computer_architecture). Java is general-purpose, concurrent, class-based, and object-oriented, and is specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere".

Java is considered by many as one of the most influential programming languages of the 20th century, and is widely used from application software to web applicationsThe java framework is a new platform independent that simplifies application development internet.Java technology's versatility, efficiency, platform portability, and security make it the ideal technology for network computing. From laptops to datacenters, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere!

**5.2.2 OBJECTIVES OF JAVA**

To see places of Java in Action in our daily life, explore java.com.

**Why Software Developers Choose Java**

Java has been tested, refined, extended, and proven by a dedicated community. And numbering more than 6.5 million developers, it's the largest and most active on the planet. With its versatility, efficiency, and portability, Java has become invaluable to developers by enabling them to:

* Write software on one platform and run it on virtually any other platform
* Create programs to run within a Web browser and Web services
* Develop server-side applications for online forums, stores, polls, HTML forms processing, and more
* Combine applications or services using the Java language to create highly customized applications or services
* Write powerful and efficient applications for mobile phones, remote processors, low-cost consumer products, and practically any other device with a digital heartbeat

**Some Ways Software Developers Learn Java**

* Today, many colleges and universities offer courses in programming for the Java platform. In addition, developers can also enhance their Java programming skills by reading Sun's java.sun.com Web site, subscribing to Java technology-focused newsletters, using the Java Tutorial and the New to Java Programming Center, and signing up for Web, virtual, or instructor-led courses.

**Object Oriented**To be an Object Oriented language, any language must follow at least the four characteristics.

1.Inheritance   :It is the process of creating the new classes and using the behavior of the existing classes by extending them just to reuse  the existing code and adding addition a features as needed.

2.Encapsulation: It is the mechanism of combining the information and providing the abstraction.

3.Polymorphism: As the name suggest one name multiple form, Polymorphism is the way of providing the different functionality by thefunctions having the same name based on the signatures of the  methods.

4.Dynamic binding  : Sometimes we don't have the knowledge of objects about their specific types while writing our code. It is the way of providing the maximum functionality to a program about the specific type at runtime.

**5.2.3**COLLECTIONS:

The Java Collections API's provide Java developers with a set of classes and interfaces that makes it easier to handle collections of objects. In a sense Collection's works a bit like arrays, except their size can change dynamically, and they have more advanced behavior than arrays. In this project we are using Array List for collecting the user input and saving values.

5.2.4 THREAD:

In this project threading concept is very important. A thread is a sequential path of code execution within a program. And each thread has its own local variables, program counter and lifetime. Like creation of a single thread, we can also create more than one thread (multithreads) in a program using class Thread or implementing interface Runnable to make our project efficient and dynamic. In our project we are using request process with the help of multi threading concepts.

5.2.5 SWINGS:

Swing, which is an extension library to the AWT, includes new and improved components that enhance the look and functionality of GUIs. Swing can be used to build Standalone swing gui apps as well as Servlets and Applets. It employs a model/view design architecture. Swing is more portable and more flexible than AWT.

**CHAPTER 6**

**IMPLEMENTATION**

**6.1 GENERAL**

In this we implement the coding part using eclipse. Below are the coding’s that are used to generate the domain module for Cloud Computing. Here the proposed techniques are used in the coding part to Cloud to Cloud Interaction.

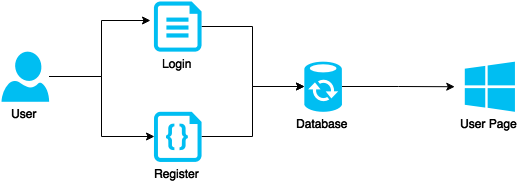
USER INTERFACE DESIGN**:**

To connect with server user must give their username and password then only they can able to connect the server. If the user already exits directly can login into the server else user must register their details such as username, password and Email id, into the server. Server will create the account for the entire user to maintain upload and download rate. Name will be set as user id. . Logging in is usually used to enter a specific page.

USER INTERFACE DESIGN**:**

* **User Interface Design**

To connect with server user must give their username and password then only they can able to connect the server. If the user already exits directly can login into the server else user must register their details such as username, password and Email id, into the server. Server will create the account for the entire user to maintain upload and download rate. Name will be set as user id. . Logging in is usually used to enter a specific page



Index.jsp

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"images/logo.png"*type=*"image/x-icon"*>

<title>Home</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<liclass=*"selected"*><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/1.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>ParvezSheikh</h5>

<h5>Fistula , Redo anal surgery , PPH</h5>

<h5>M.B.B.S. , M.S. , FACRS</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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evolution. In todayâ™s fast- changing global marketplace, hotel

companies are striving to articulate, adopt and deliver the

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<p>E-Commerce Implementation</p>

<p>RFID Guest Recognition</p>

<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

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width=*"800"*>

</div>

<divid=*"para"*>

<h2>About</h2>

MIOT &#34;Medicine is not a trade; it is a calling where the

physician thinks not only with his head, but also with his

heart.&#34;&#45;PadmashriProf. Dr. P. V. A. Mohandas

<h2>Early days</h2>

PadmashriProf. Dr. P. V. A. Mohandas started the Madras

Institute of Orthopaedics and Traumatology (M.I.O.T) on 12

February, 1999, as a 70-bed hospital, with full-time doctors,

focussed primarily on Orthopaedics and Trauma Care. It was soon

apparent that some of the trauma patients, often brought there in

a critical condition, came with pre-existing conditions involving

the heart, kidneys, etc. In order to stabilise and deliver

complete end-to-end care to these patients, these pre existing

conditions had to be managed along with providing trauma care. In

other cases, patients were brought in with injuries to their

organs. Treating such conditions called for the expertise of

specialists. Given the nature of trauma care, it was important to

have full-time specialists so that the right care could be

delivered on time.

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<liclass=*"selected"*><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

Userregister.jsp

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

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<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/patient.png"*type=*"image/x-icon"*>

<title>Register</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<liclass=*"selected"*><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/8.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>VirajSureshTambwekar</h5>

<h5>D.N.B. (Plastic Surgery)</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divclass=*"register-card"*>

<h1>User Register</h1>

<br>

<formname=*"f1"*action=*"Register"*method=*"post"*>

<inputtype=*"text"*name=*"uname"*placeholder=*"Name"*

required=*"requied"*><inputtype=*"password"*

name=*"password"*placeholder=*"Password"*required=*"requied"*>

Gender<inputtype=*"radio"*name=*"gender"*value=*"male"*

required=*"requied"*>Male <inputtype=*"radio"*

name=*"gender"*value=*"female"*required=*"requied"*>Female

<inputtype=*"date"*name=*"dob"*placeholder=*"Date Of Birth"*

required=*"requied"*><inputtype=*"email"*name=*"mail"*

placeholder=*"Mail"*required=*"requied"*><input

type=*"number"*name=*"mobile"*placeholder=*"Mobile"*

required=*"requied"*><inputtype=*"text"*name=*"address"*

placeholder=*"City"*required=*"requied"*><input

type=*"submit"*name=*"register"*class=*"register register-submit"*

value=*"Register"*>

</form>

<divclass=*"register-help"*>

<ahref=*"ulogin.jsp"*>Login</a>

</div>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<liclass=*"selected"*><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Register.java**

**package uservlet;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**import ubean.UserBean;**

**/\*\***

**\* Servlet implementation class Register**

**\*/**

**@WebServlet("/Register")**

**public class Register extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Register() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**protected void doPost(HttpServletRequest request,**

**HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**System.out.println("Register page");**

**String name = request.getParameter("uname");**

**String password = request.getParameter("password");**

**String gender = request.getParameter("gender");**

**String dob = request.getParameter("dob");**

**String mobile = request.getParameter("mobile");**

**String mail = request.getParameter("mail");**

**String address = request.getParameter("address");**

**HttpSession session=request.getSession();**

**session.setAttribute("mobile", mobile);**

**UserBean ub = new UserBean();**

**ub.setName(name);**

**ub.setPassword(password);**

**ub.setGender(gender);**

**ub.setGender(gender);**

**ub.setDob(dob);**

**ub.setMail(mail);**

**ub.setMobile(mobile);**

**ub.setAddress(address);**

**Interface i = new Implementation();**

**int result = i.register(ub);**

**if (result == 1) {**

**response.sendRedirect("usuccess.jsp");**

**} else {**

**response.sendRedirect("uerror.jsp");**

**}**

**}**

**}**

UserLogin.jsp

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/patient.png"*type=*"image/x-icon"*>

<title>Login</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<liclass=*"selected"*><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/7.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>PrashantGedam</h5>

<h5>Orthopedic</h5>

<h5>M.B.B.S. , M.S.(Orthopaedics)</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divclass=*"login-card"*>

<h1>User Log-in</h1>

<br>

<formaction=*"Login"*method=*"post"*>

<inputtype=*"text"*name=*"id"*placeholder=*"Enter Your ID"*

required=*"requied"*><inputtype=*"password"*

name=*"password"*placeholder=*"Password"*required=*"requied"*>

<inputtype=*"submit"*name=*"login"*class=*"login login-submit"*

value=*"login"*>

</form>

<divclass=*"login-help"*>

<ahref=*"uregister.jsp"*>Register</a>

</div>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<liclass=*"selected"*><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

Login.java

package uservlet;

import impleme.Implementation;

import inter.Interface;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import ubean.UserBean;

/\*\*

\* Servlet implementation class Login

\*/

@WebServlet("/Login")

public class Login extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Login() {

super();

// TODO Auto-generated constructor stub

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

System.out.println("Login Page");

String id=request.getParameter("id");

String password=request.getParameter("password");

System.out.println("Login Page"+id+" "+password);

HttpSession session=request.getSession();

session.setAttribute("id", id);

UserBean bean=new UserBean();

bean.setId(id);

bean.setPassword(password);

Interface i=new Implementation();

int result=i.login(bean);

if(result==1)

{

response.sendRedirect("patient1.jsp");

}else

{

response.sendRedirect("error.jsp");

}

}

}

Patient.jsp

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/patient.png"*type=*"image/x-icon"*>

<title>Patient1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<linkrel=*"stylesheet"*href=*"css/table.css"*type=*"text/css"*>

</head>

<%@pageimport=*"java.util.List"*%>

<%@pageimport=*"java.sql.\*"*%>

<%@pageimport=*"database.\*"*%>

<%

PreparedStatement ps = **null**;

ResultSet resultSet = **null**;

Statement st = **null**;

PreparedStatement ps1 = **null**;

ResultSet resultSet1 = **null**;

PreparedStatement ps2 = **null**;

ResultSet resultSet2 = **null**;

Statement st1 = **null**;

String query = **null**;

%>

<%

HttpSession session1 = request.getSession(**false**);

String id = (String) session.getAttribute("id");

HttpSession session2 = request.getSession();

session.setAttribute("id", id);

%>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/9.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>SanyamGadkari</h5>

<h5>General Surgery</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"index.jsp"*>Logout</a>

</div>

<divid=*"ll"*>

<%

String sql="select uname from user where id='"+id+"'";

ps2=Connections.con().prepareStatement(sql);

resultSet2=ps2.executeQuery();

**if**(resultSet2.next()){

%>

<tablecellspacing=*'0'*>

<%-- User ID=<%=id %> And Name=<%=resultSet2.getString(1) %> --%>

<tr>

<td>User ID</td>

<td><%=id %></td>

</tr>

<tr>

<td>Name</td>

<td><%=resultSet2.getString(1) %></td>

</tr>

</table>

<%

session.setAttribute("name", resultSet2.getString(1));

}

%>

<br>

<ahref=*"psearch.jsp"*>Symptoms</a><br>

<br>

<ahref=*"reviews.jsp"*>Reviews</a><br>

<br>

</div>

<h3>Doctors List</h3>

<tablecellspacing=*'0'*>

<tr>

<th>Doctor ID</th>

<th>Name</th>

<th>Specialist</th>

<th>Qualification</th>

<th>Experience</th>

<th>Gender</th>

<th>Status</th>

<th>Message</th>

</tr>

<!-- <tr bgcolor="yellow"><td>Doctor ID</td><td>Name</td><td>Specialist</td><td>Qualification</td><td>Experience</td><td>Gender</td><td>Status</td><td>Message</td></tr> -->

<%

query="select id,name,specialist,qualification,experience,gender from doctor";

ps1=Connections.con().prepareStatement(query);

resultSet1=ps1.executeQuery();

**while**(resultSet1.next())

{

String query1="select id,name from onlinedoctor where id='"+resultSet1.getString(1)+"'";

ps=Connections.con().prepareStatement(query1);

resultSet=ps.executeQuery();

System.out.println(query1);

%>

<tr>

<trclass=*'even'*>

<td><%=resultSet1.getString(1) %></td>

<td><%=resultSet1.getString(2) %></td>

<td><%=resultSet1.getString(3) %></td>

<td><%=resultSet1.getString(4) %></td>

<td><%=resultSet1.getString(5) %></td>

<td><%=resultSet1.getString(6) %></td>

<%**if**(resultSet.next()){ %>

<td><fontcolor=*"green"*><b><marquee

scrolldelay=*"180"*>Online</marquee></b></font></td>

<%}**else**

{

%><td><fontcolor=*"red"*><b>Offline</b></font></td>

<%} %>

<td>

<form

action=*"pmessage.jsp?drid=*<%=resultSet1.getString(1)%>*&drname=*<%=resultSet1.getString(2) %>*"*

method=*"post"*>

<inputtype=*"submit"*value=*"MESSAGE"*name=*"sub"*/>

</form>

</td>

</tr>

<%

}

%>

</table>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

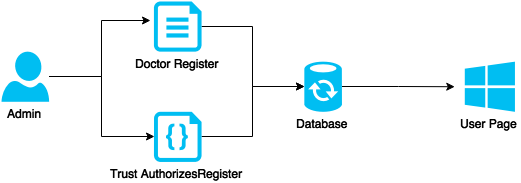
</div>

</body>

</html>

* **Hospital Management**

To connect with server admin must give the username and password then only they can able to connect the server. If the admin have only the login process don’t register the admin. After logging it will go to the admin page that time admin also can use the process. The process is register the trust Authorizes and doctor.



**Admin.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/admin1.png"*type=*"image/x-icon"*>

<title>Admin</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/6.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>HarishPathak</h5>

<h5>Ophthalmology</h5>

<h5>M.D(Ophthalmology),DNB(Ophthalmology),FRCS</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"image1"*>

<imgsrc=*"hospital/6.jpg"*alt=*"Smiley face"*height=*"300"*

width=*"800"*>

</div>

<divid=*"para"*>

<h2>About</h2>

MIOT &#34;Medicine is not a trade; it is a calling where the

physician thinks not only with his head, but also with his

heart.&#34;&#45;PadmashriProf. Dr. P. V. A. Mohandas

<h2>Early days</h2>

PadmashriProf. Dr. P. V. A. Mohandas started the Madras

Institute of Orthopaedics and Traumatology (M.I.O.T) on 12

February, 1999, as a 70-bed hospital, with full-time doctors,

focussed primarily on Orthopaedics and Trauma Care. It was soon

apparent that some of the trauma patients, often brought there in

a critical condition, came with pre-existing conditions involving

the heart, kidneys, etc. In order to stabilise and deliver

complete end-to-end care to these patients, these pre existing

conditions had to be managed along with providing trauma care. In

other cases, patients were brought in with injuries to their

organs. Treating such conditions called for the expertise of

specialists. Given the nature of trauma care, it was important to

have full-time specialists so that the right care could be

delivered on time.

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Adminview.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/admin1.png"*type=*"image/x-icon"*>

<title>Admin1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/15.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>HemanandiniJayaraman</h5>

<h5>Gynaecologist, Obstetrician&Laparascopic Surgeon</h5>

<h5>MD, DNB, DGO, MRCOG</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"admin.jsp"*><fontface=*"TimesNewRoman"*color=*"blue"*size=*"4"*>LogOut</font></a>

</div>

<divid=*regs*>

<ahref=*"docregister.jsp"*>Doctor Information Update</a><br><br>

<ahref=*"proregister.jsp"*>Provider Information Update</a>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Doctorregister.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/admin1.png"*type=*"image/x-icon"*>

<title>Register</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/8.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>Viraj Suresh Tambwekar</h5>

<h5>D.N.B. (Plastic Surgery)</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

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<p>Eco Sustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"admin.jsp"*><fontface=*"TimesNewRoman"*color=*"blue"*size=*"4"*>LogOut</font></a>

</div>

<divclass=*"register-card"*>

<h1>Doctor Register</h1>

<br>

<formaction=*"Docregister"*method=*"post"*>

<inputtype=*"text"*name=*"name"*placeholder=*"Name"*required=*"requied"*>

<inputtype=*"password"*name=*"password"*placeholder=*"Password"*required=*"requied"*>

<inputtype=*"password"*name=*"cpass"*placeholder=*"Password"*required=*"requied"*>

<inputtype=*"email"*name=*"mail"*placeholder=*"Mail"*required=*"requied"*>

<inputtype=*"date"*name=*"date"*placeholder=*"Date of birth"*required=*"requied"*>

<inputtype=*"text"*name=*"blood"*placeholder=*"Blood group"*required=*"requied"*>

<inputtype=*"text"*name=*"experinece"*placeholder=*"Experinece"*required=*"requied"*>

<inputtype=*"text"*name=*"qualification"*placeholder=*"Qualification"*required=*"requied"*>

<inputtype=*"number"*name=*"mobile"*placeholder=*"Mobile"*required=*"requied"*>

<selectname=*"gender"*>

<optionvalue=*"Male"*>Male</option>

<optionvalue=*"Female"*>Female</option>

</select>

<inputtype=*"text"*name=*"specialist"*placeholder=*"Specialist"*required=*"requied"*>

<inputtype=*"submit"*name=*"register"*class=*"register register-submit"*value=*"Update"*>

</form>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Doctor.java**

**package dservlet;**

**import hbean.Loginbean;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**/\*\***

**\* Servlet implementation class Docregister**

**\*/**

**@WebServlet("/Docregister")**

**public class Docregister extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Docregister() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**String name=request.getParameter("name");**

**String password=request.getParameter("password");**

**String cpass=request.getParameter("cpass");**

**String email=request.getParameter("mail");**

**String dob=request.getParameter("date");**

**String bloodgroup=request.getParameter("blood");**

**String experience=request.getParameter("experinece");**

**String qualification=request.getParameter("qualification");**

**String mobile =request.getParameter("mobile");**

**String gender=request.getParameter("gender");**

**String special =request.getParameter("specialist");**

**HttpSession httpSession=request.getSession(true);**

**httpSession.setAttribute("username", name);**

**Loginbean doc=new Loginbean();**

**doc.setName(name);**

**doc.setPassword(password);**

**doc.setCpass(cpass);**

**doc.setMail(email);**

**doc.setDate(dob);**

**doc.setBlood(bloodgroup);**

**doc.setExperinece(experience);**

**doc.setQualification(qualification);**

**doc.setMobile(mobile);**

**doc.setGender(gender);**

**doc.setSpecialist(special);**

**Interface i=new Implementation();**

**int status=i.register(doc);**

**System.out.println("stqtus "+status);**

**if(status==1)**

**{**

**response.sendRedirect("admin1.jsp");**

**}**

**else**

**{**

**response.sendRedirect("doctorregister.jsp");**

**}**

**}**

**}**

**Providerregister.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/admin1.png"*type=*"image/x-icon"*>

<title>Register</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/8.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>VirajSureshTambwekar</h5>

<h5>D.N.B. (Plastic Surgery)</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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evolution. In todayâ™s fast- changing global marketplace, hotel

companies are striving to articulate, adopt and deliver the

brand promise consistently throughout the value chain and across

all stakeholder groups.</p>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"admin.jsp"*><fontface=*"TimesNewRoman"*color=*"blue"*size=*"4"*>LogOut</font></a>

</div>

<divclass=*"register-card"*>

<h1>Provider Register</h1>

<br>

<formaction=*"Proregister"*method=*"post"*>

<inputtype=*"text"*name=*"name"*placeholder=*"Name"*required=*"requied"*>

<inputtype=*"password"*name=*"password"*placeholder=*"Password"*required=*"requied"*>

<inputtype=*"email"*name=*"mail"*placeholder=*"Mail"*required=*"requied"*>

<inputtype=*"date"*name=*"date"*placeholder=*"Date of birth"*required=*"requied"*>

<inputtype=*"text"*name=*"experinece"*placeholder=*"Experinece"*required=*"requied"*>

<inputtype=*"text"*name=*"qualification"*placeholder=*"Qualification"*required=*"requied"*>

<inputtype=*"number"*name=*"mobile"*placeholder=*"Mobile"*required=*"requied"*>

<selectname=*"gender"*>

<optionvalue=*"Male"*>Male</option>

<optionvalue=*"Female"*>Female</option>

</select>

<inputtype=*"submit"*name=*"register"*class=*"register register-submit"*value=*"Update"*>

</form>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<liclass=*"selected"*><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Provider.java**

**package dservlet;**

**import hbean.Probean;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**/\*\***

**\* Servlet implementation class Proregister**

**\*/**

**@WebServlet("/Proregister")**

**public class Proregister extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Proregister() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**/\*\***

**\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**}**

**/\*\***

**\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**String name=request.getParameter("name");**

**String password=request.getParameter("password");**

**String email=request.getParameter("mail");**

**String dob=request.getParameter("date");**

**String experience=request.getParameter("experinece");**

**String qualification=request.getParameter("qualification");**

**String mobile =request.getParameter("mobile");**

**String gender=request.getParameter("gender");**

**HttpSession httpSession=request.getSession(true);**

**httpSession.setAttribute("username", name);**

**Probean pro=new Probean();**

**pro.setName(name);**

**pro.setPassword(password);**

**pro.setMail(email);**

**pro.setDate(dob);**

**pro.setExperinece(experience);**

**pro.setQualification(qualification);**

**pro.setMobile(mobile);**

**pro.setGender(gender);**

**Interface i=new Implementation();**

**int status=i.preg(pro);**

**if(status==1)**

**{**

**response.sendRedirect("admin1.jsp");**

**}**

**else**

**{**

**response.sendRedirect("proregister.jsp");**

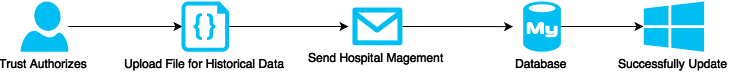
**}**

**}**

**}**

* **Trust Authorizes**

Trust Authorizes to connect with server give their username and password then only they can able to connect the server. The trust authorizes are collect the historical data. The Authorizes are get data and upload the data for database. The process file upload that time file was encrypt the file store the value in database.

****

**Providerlogin.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/provider.png"*type=*"image/x-icon"*>

<title>Provider Login</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/13.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>Rishma Pai</h5>

<h5>Gynecologist</h5>

<h5>MD, FCPS</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>Eco Sustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divclass=*"login-card"*>

<h1>Provider Log-in</h1>

<br>

<formaction=*"Prologin"*method=*"post"*>

<inputtype=*"text"*name=*"id"*placeholder=*"Enter Your ID"*

required=*"requied"*><inputtype=*"password"*

name=*"password"*placeholder=*"Password"*required=*"requied"*>

<inputtype=*"submit"*name=*"login"*class=*"login login-submit"*

value=*"login"*>

</form>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<liclass=*"selected"*><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Login.java**

**package dservlet;**

**import hbean.Probean;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**/\*\***

**\* Servlet implementation class Prologin**

**\*/**

**@WebServlet("/Prologin")**

**public class Prologin extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Prologin() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**/\*\***

**\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**}**

**/\*\***

**\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String id=request.getParameter("id");**

**String password=request.getParameter("password");**

**HttpSession session=request.getSession();**

**session.setAttribute("id", id);**

**Probean pl=new Probean();**

**pl.setId(id);**

**pl.setPassword(password);**

**Interface i=new Implementation();**

**boolean result=i.prologin(pl);**

**if(result=true)**

**{**

**response.sendRedirect("provider1.jsp");**

**}else**

**{**

**response.sendRedirect("error.jsp");**

**}**

**}**

**}**

**Upload.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<htmllang=*"en"*class=*"no-js"*>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/provider.png"*type=*"image/x-icon"*>

<title>Provider1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<script>

(**function**(e, t, n) {

**var** r = e.querySelectorAll("html")[0];

r.className = r.className.replace(/(^|\s)no-js(\s|$)/, "$1js$2")

})(document, window, 0);

</script>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Login</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/12.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>SameerGupta</h5>

<h5>Neurologist</h5>

<h5>MD, DM (Neurology)</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"index.jsp"*>Logout</a>

</div>

<formaction=*"Proupload"*method=*"post"*enctype=*"multipart/form-data"*>

<divid=*"msg"*><inputtype=*"file"*name=*"choosefile"*style="padding: *5px*;"><br><br>

<inputtype=*"submit"*value=*"Upload"*></div>

</form>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<liclass=*"selected"*><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

Uplaod.Java

package uservlet;

import java.io.File;

import java.io.IOException;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.oreilly.servlet.multipart.FilePart;

import com.oreilly.servlet.multipart.MultipartParser;

import com.oreilly.servlet.multipart.Part;

import com.sun.org.apache.xpath.internal.operations.Mult;

import database.Connections;

/\*\*

\* Servlet implementation class Proupload

\*/

@WebServlet("/Proupload")

public class Proupload extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Proupload() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

Connection con=null;

String localpath4="";

MultipartParser mp=new MultipartParser(request, 999999999);

Part part;

FilePart filepart;

int i = 0;

String path=getServletContext().getRealPath("");

System.out.println(path);

String editpath=path.substring(0, path.indexOf("."));

System.out.println(editpath);

String fullpath=editpath+"HealingHospital\\WebContent\\localstorage\\";

System.out.println(fullpath);

while((part = mp.readNextPart())!=null)

{

if(part.isFile())

{

filepart=(FilePart)part;

String Filename=filepart.getFileName();

fullpath=fullpath+Filename;

System.out.println(fullpath);

File file=new File(fullpath);

long size=filepart.writeTo(file);

System.out.println(size);

localpath4 = fullpath.replace("\\", "\\\\");

System.out.println(localpath4);

}

}

String filename="medicine";

try{

PreparedStatement ps;

ResultSet rs;

con=Connections.con();

ps = con.prepareStatement("LOAD DATA LOCAL INFILE '"

+ localpath4

+ "' INTO TABLE `hospital`.`"

+ filename

+ "` FIELDS TERMINATED BY ',' ENCLOSED BY '\"' LINES TERMINATED BY '\n'IGNORE 1 ROWS");

i = ps.executeUpdate();

System.out.println("Excel data's inserted sucessfully in my sql table i="+ i);

}catch (Exception e) {

System.out.println(e);

e.printStackTrace();

}

if(i>0)

{

response.sendRedirect("prosuccess.jsp");

}else

{

response.sendRedirect("error.jsp");

}

}

}

Success.jsp

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<htmllang=*"en"*class=*"no-js"*>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/provider.png"*type=*"image/x-icon"*>

<title>Provider1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<script>

(**function**(e, t, n) {

**var** r = e.querySelectorAll("html")[0];

r.className = r.className.replace(/(^|\s)no-js(\s|$)/, "$1js$2")

})(document, window, 0);

</script>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Login</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/12.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>SameerGupta</h5>

<h5>Neurologist</h5>

<h5>MD, DM (Neurology)</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"index.jsp"*>Logout</a>

</div>

<divid=*"suc"*>

<imgsrc=*"images/success.png"*alt=*"img"*height=*"100"*width=*"600"*>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<liclass=*"selected"*><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

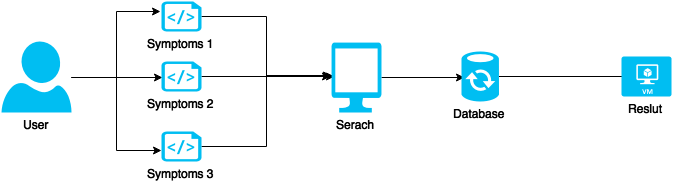
</html>

* **SYMPTOMS SOLUTION**
* **CHATTING TECHNIQUE**

**DESCRIPTION:**

* **User Symptoms Solution**

The user enter the user page that time user view search the symptoms by patient that will be the find user solution. The user can also find value symptoms is the detail that value in the for user symptoms. The user or any person can be search the image that image background also set the value that find the image. The image can search the give key word that time image search the all the database and collect the matching the image. It will show the result for user or any person.



**Search.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/patient.png"*type=*"image/x-icon"*>

<title>Patient1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<linkrel=*"stylesheet"*href=*"css/table.css"*type=*"text/css"*>

<scripttype=*"text/javascript"*src=*"validations/drop\_down.js"*></script>

</head>

<%@pageimport=*"java.util.List"*%>

<%@pageimport=*"java.sql.\*"*%>

<%@pageimport=*"database.\*"*%>

<%

PreparedStatement ps = **null**;

ResultSet resultSet = **null**;

Statement st = **null**;

PreparedStatement ps1 = **null**;

ResultSet resultSet1 = **null**;

PreparedStatement ps2 = **null**;

ResultSet resultSet2 = **null**;

Statement st1 = **null**;

String query = **null**;

%>

<%

HttpSession session1 = request.getSession(**false**);

String id = (String) session.getAttribute("id");

HttpSession session2 = request.getSession();

session.setAttribute("id", id);

%>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/9.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>SanyamGadkari</h5>

<h5>General Surgery</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"index.jsp"*>Logout</a>

</div>

<div>

<h3>Medicine search Engine</h3>

<br>

<scripttype=*"text/javascript"*src=*"validations/search.js"*></script>

<formname=*"search"*action=*""*>

<tablealign=*"center"*>

<tr>

<td>Symptoms1</td><td><inputtype=*"text"*name=*"symptoms1"*size=*"30"*onkeyup="sendInfo()"></td>

</tr>

</table>

</form>

<br><br><br><spanid=*"result"*></span><br>

<br>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Search.java**

**package uservlet;**

**import java.io.IOException;**

**import java.sql.Connection;**

**import java.sql.PreparedStatement;**

**import java.sql.ResultSet;**

**import java.util.ArrayList;**

**import java.util.Iterator;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**import database.Connections;**

**/\*\***

**\* Servlet implementation class Serach**

**\*/**

**@WebServlet("/Serach")**

**public class Serach extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Serach() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**/\*\***

**\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse**

**\* response)**

**\*/**

**protected void doGet(HttpServletRequest request,**

**HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**doPost(request, response);**

**}**

**/\*\***

**\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse**

**\* response)**

**\*/**

**protected void doPost(HttpServletRequest request,**

**HttpServletResponse response) throws ServletException, IOException {**

**String Symptoms1 = request.getParameter("Symptoms1");**

**String Symptoms2 = request.getParameter("Symptoms2");**

**String Symptoms3 = request.getParameter("Symptoms3");**

**HttpSession session = request.getSession();**

**session.setAttribute("sym", Symptoms2);**

**ArrayList list = new ArrayList<>();**

**ArrayList list1 = new ArrayList<>();**

**ArrayList list2 = new ArrayList<>();**

**String available = null;**

**String available1 = null;**

**String available2 = null;**

**String match = null;**

**String match1 = null;**

**String match2 = null;**

**try {**

**Connection con = Connections.con();**

**PreparedStatement ps = con**

**.prepareStatement("SELECT \* FROM `hospital`.`medicine` where Symptoms1='"**

**+ Symptoms1**

**+ "' And Symptoms2='"**

**+ Symptoms2**

**+ "'or Symptoms3='" + Symptoms3 + "'");**

**ResultSet re = ps.executeQuery();**

**while (re.next()) {**

**available = re.getString(2);**

**available1 = re.getString(3);**

**available2 = re.getString(4);**

**list.add(available);**

**list1.add(available1);**

**list2.add(available2);**

**}**

**@SuppressWarnings("rawtypes")**

**Iterator itr = list.iterator();**

**System.out.println("itr hasnext "+itr.hasNext());**

**while (itr.hasNext()) {**

**available = itr.next().toString();**

**if (available.equalsIgnoreCase(Symptoms1)) {**

**System.out.println("commi1");**

**match = Symptoms1;**

**System.out.println(match + "match values");**

**}**

**}**

**@SuppressWarnings("rawtypes")**

**Iterator itr1 = list1.iterator();**

**while (itr1.hasNext()) {**

**available1 = itr1.next().toString();**

**if (available1.equalsIgnoreCase(Symptoms2)) {**

**System.out.println("commi2");**

**match1 = Symptoms2;**

**System.out.println(match1 + "match values");**

**}**

**}**

**@SuppressWarnings("rawtypes")**

**Iterator itr2 = list2.iterator();**

**while (itr2.hasNext()) {**

**available2 = itr2.next().toString();**

**if (available2.equalsIgnoreCase(Symptoms3)) {**

**System.out.println("commi3");**

**match2 = Symptoms3;**

**System.out.println(match2 + "match values");**

**}**

**}**

**System.out.println("Matched Values=="+match+" && "+match1+" && "+match2);**

**PreparedStatement ps1=con.prepareStatement("SELECT \* FROM `hospital`.`medicine` where symptoms1=? and symptoms2=? or symptoms3=?");**

**ps1.setString(1, match);**

**ps1.setString(2, match1);**

**ps1.setString(3, match2);**

**ResultSet rs=ps1.executeQuery();**

**while (rs.next()) {**

**String Disease=rs.getString(1);**

**String Symptoms11=rs.getString(2);**

**String Symptoms12=rs.getString(3);**

**String Symptoms13=rs.getString(4);**

**String Diagonsis=rs.getString(5);**

**String Treatment=rs.getString(6);**

**response.sendRedirect("mresult.jsp?Disease="+Disease+"&&Symptoms11="+Symptoms11+"&&Symptoms12="+Symptoms12+"&&Symptoms13="+Symptoms13+"&&Diagonsis="+Diagonsis+"&&Treatment="+Treatment+"");**

**System.out.println("Disease="+Disease+ "\nSymptoms="+Symptoms11+ "\nSymptomss="+Symptoms12+ "\nSymptomsss="+Symptoms13+ "\nDiagonsis="+Diagonsis+ "\nTreatment="+Treatment);**

**}**

**} catch (Exception e1) {**

**e1.printStackTrace();**

**}**

**}**

**}**

**Result.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/patient.png"*type=*"image/x-icon"*>

<title>Patient1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<linkrel=*"stylesheet"*href=*"css/table.css"*type=*"text/css"*>

</head>

<%@pageimport=*"java.util.List"*%>

<%@pageimport=*"java.sql.\*"*%>

<%@pageimport=*"database.\*"*%>

<%

PreparedStatement ps = **null**;

ResultSet resultSet = **null**;

Statement st = **null**;

PreparedStatement ps1 = **null**;

ResultSet resultSet1 = **null**;

PreparedStatement ps2 = **null**;

ResultSet resultSet2 = **null**;

Statement st1 = **null**;

String query = **null**;

HttpSession session1 = request.getSession(**false**);

String id = (String) session.getAttribute("id");

HttpSession session2 = request.getSession();

session.setAttribute("id", id);

HttpSession ses1 = request.getSession();

String Symmmm = (String) ses1.getAttribute("sym");

%>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/9.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>SanyamGadkari</h5>

<h5>General Surgery</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"index.jsp"*>Logout</a>

</div>

<divid=*"ser"*>

<%

out.println("<html><body><table cellspacing='0'>");

out.println("<tr><td>Disease</td><td>Symptoms1</td><td>Symptoms2</td><td>Symptoms3</td><td>Diagonsis</td><td>Treatment</td></tr>");

String Disease = request.getParameter("Disease");

String Symptoms11 = request.getParameter("Symptoms11");

String Symptoms12 = request.getParameter("Symptoms12");

String Symptoms13 = request.getParameter("Symptoms13");

String Diagonsis = request.getParameter("Diagonsis");

String Treatment = request.getParameter("Treatment");

out.println("<tr><td>" + Disease + "</td><td>" + Symptoms11

+ "</td><td>" + Symptoms12 + "</td><td>" + Symptoms13

+ "</td><td>" + Diagonsis + "</td><td>" + Treatment

+ "</td></tr>");

out.println("</table>");

%>

<br><br><br>

<form>

<inputtype=*"button"*value=*"Medicine Search"*

style="background-color: *gray*; margin-left: *100px*;"

onclick="window.location.href='psearch.jsp'"/>

</form>

</div>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

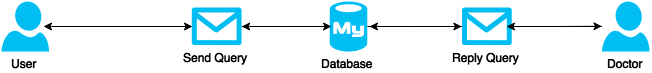
</div>

</body>

</html>

* **Chatting Technique**

The user are chatting with doctor that used for the Verification. The result the symptoms based result is correct or not will verify the particular specialist doctor can replay the user query that query are used to take database values



**Messages.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/patient.png"*type=*"image/x-icon"*>

<title>Patient1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<linkrel=*"stylesheet"*href=*"css/table.css"*type=*"text/css"*>

</head>

<%@pageimport=*"java.util.List"*%>

<%@pageimport=*"java.sql.\*"*%>

<%@pageimport=*"database.\*"*%>

<%

PreparedStatement ps = **null**;

ResultSet resultSet = **null**;

Statement st = **null**;

PreparedStatement ps1 = **null**;

ResultSet resultSet1 = **null**;

PreparedStatement ps2 = **null**;

ResultSet resultSet2 = **null**;

Statement st1 = **null**;

String query = **null**;

HttpSession session1 = request.getSession(**false**);

String id = (String) session.getAttribute("id");

String name = (String) session.getAttribute("name");

String drid = request.getParameter("drid");

String drname = request.getParameter("drname");

session1.setAttribute("drid", drid);

session1.setAttribute("drname", drname);

%>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/9.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>SanyamGadkari</h5>

<h5>General Surgery</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

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<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"index.jsp"*>Logout</a>

</div>

<divid=*"msg"*>

<formmethod=*"post"*action=*"Message"*name=*"myform"*

onsubmit="return msgvalidate()">

<palign=*"center"*

style="font-weight: *bold*; font: *18pt courier*; font-variant: *small-caps*; color: *red*;">Message

</p>

<tablecellspacing=*'0'*>

<tr>

<td>Dr.ID</td>

<td><inputtype=*"text"*name=*"drid"*value=<%=drid%>

id=*"Dr.Nameid"*></td>

</tr>

<tr>

<h3>

<td>Dr.Name</td>

<td><inputtype=*"text"*name=*"drname"*value=<%=drname%>

id=*"PassWord"*></td>

</h3>

</tr>

<tr>

<h3>

<td>Your Id</td>

<td><inputtype=*"text"*name=*"uid"*value=<%=id%>

id=*"Conform PassWord"*></td>

</h3>

</tr>

<tr>

<h3>

<td>Name</td>

<td><inputtype=*"text"*name=*"uname"*value=<%=name%>

id=*"mailid"*></td>

</h3>

</tr>

<tr>

<td>Querys</td>

<td><textarearows=*"5"*cols=*"20"*name=*"msg"*>

</textarea>

<tr>

<td></td>

<td><inputtype=*"submit"*value=*"SEND"*/>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input

type=*"reset"*value=*"CANCEL"*/></td>

</tr>

</table>

<br><ahref=*"patient1.jsp"*>Go to Doctors List</a>

</form>

<scripttype=*"text/javascript"*>

**function** msgvalidate() {

**var** msg = document.myform.msg.value;

**if** (msg == **null** || msg == "") {

alert("Describe your Intent.");

**returnfalse**;

}

**returntrue**;

}

</script>

<br><br>

<palign=*"center"*

style="font-weight: *bold*; font: *18pt courier*; font-variant: *small-caps*; color: *red*;">Inbox

</p>

<form

action=*"Delete?user\_id=*<%=id%>*&drid=*<%=drid%>*&drname=*<%=drname%>*"*

method=*"post"*>

<tablecellspacing=*'0'*>

<tr>

<th>Dr.ID</th>

<th>Dr.Name</th>

<th>Message</th>

<th>Request</th>

<th>Dr.Reply</th>

<th>Response</th>

<th><inputtype=*"submit"*value=*"DELETE"*name=*"sub"*/></th>

</tr>

<%

query = "select dr\_id,dr\_name,user\_msg,user\_time,dr\_msg,dr\_time from messages where user\_id='"

+ id + "' and dr\_id='" + drid + "'";

ps1 = Connections.con().prepareStatement(query);

resultSet1 = ps1.executeQuery();

**while** (resultSet1.next()) {

%>

<tr>

<td><%=resultSet1.getString(1)%></td>

<td><%=resultSet1.getString(2)%></td>

<td><%=resultSet1.getString(3)%></td>

<td><%=resultSet1.getString(4)%></td>

<td><%=resultSet1.getString(5)%></td>

<td><%=resultSet1.getString(6)%></td>

<td><center>

<inputtype=*"checkbox"*value=<%=resultSet1.getString(3)%>

name=*"msg"*>

</center></td>

<%

}

%>

</table>

</form>

<br><br><br><br>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Message.java**

**package uservlet;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**import ubean.MsgBean;**

**/\*\***

**\* Servlet implementation class Message**

**\*/**

**@WebServlet("/Message")**

**public class Message extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**public Message() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String uid=request.getParameter("uid");**

**String uname=request.getParameter("uname");**

**String drid=request.getParameter("drid");**

**String drname=request.getParameter("drname");**

**String message=request.getParameter("msg");**

**HttpSession session=request.getSession(false);**

**session.setAttribute("msg", message);**

**MsgBean bean=new MsgBean();**

**bean.setUid(uid);**

**bean.setUname(uname);**

**bean.setDrid(drid);**

**bean.setDrname(drname);**

**bean.setMessage(message);**

**Interface i=new Implementation();**

**int result=i.msg(bean);**

**if(result==1)**

**{**

**response.sendRedirect("pmessage.jsp?drid="+drid+"&drname="+drname);**

**}else**

**{**

**response.sendRedirect("failed.jsp");**

**}**

**}**

**}**

**Doctorlogin.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/doctors.png"*type=*"image/x-icon"*>

<title>Doctor Login</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

</head>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<liclass=*"selected"*><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/10.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>HarshadParekh</h5>

<h5>Neurologist</h5>

<h5>M.B., M.S., M.Ch</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

<p>The hospitality industry is in the midst of global

evolution. In todayâs fast- changing global marketplace, hotel

companies are striving to articulate, adopt and deliver the

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<p>E-Commerce Implementation</p>

<p>RFID Guest Recognition</p>

<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divclass=*"login-card"*>

<h1>Doctors Log-in</h1>

<br>

<formaction=*"Docloginn"*method=*"post"*>

<inputtype=*"text"*name=*"id"*placeholder=*"Enter Your ID"*

required=*"requied"*><inputtype=*"password"*

name=*"password"*placeholder=*"Password"*required=*"requied"*>

<inputtype=*"submit"*name=*"login"*class=*"login login-submit"*

value=*"login"*>

</form>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<liclass=*"selected"*><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</div>

</body>

</html>

**Doctorlogin.java**

**package dservlet;**

**import hbean.Loginbean;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import java.util.List;**

**import javax.servlet.RequestDispatcher;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**/\*\***

**\* Servlet implementation class Docloginn**

**\*/**

**@WebServlet("/Docloginn")**

**public class Docloginn extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Docloginn() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**/\*\***

**\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**}**

**/\*\***

**\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String id=request.getParameter("id");**

**String password=request.getParameter("password");**

**HttpSession session=request.getSession();**

**session.setAttribute("id", id);**

**Loginbean s=new Loginbean();**

**s.setId(id);**

**s.setPassword(password);**

**Interface I=new Implementation();**

**List<String> list=I.doclogin(s);**

**if(!list.isEmpty()){**

**if(list!=null){**

**id=list.get(0).toString().trim();**

**session.setAttribute("id",id);**

**}**

**if(id!=null){**

**RequestDispatcher dispatcher=request.getRequestDispatcher("doctor1.jsp");**

**dispatcher.forward(request, response);**

**}**

**}**

**else{**

**RequestDispatcher dispatcher=request.getRequestDispatcher("Error.jsp");**

**dispatcher.forward(request, response);**

**}**

**}**

**}**

**Doctorreply.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/doctors.png"*type=*"image/x-icon"*>

<title>Doctor1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<linkrel=*"stylesheet"*href=*"css/table.css"*type=*"text/css"*>

</head>

<%@pageimport=*"java.util.List"*%>

<%@pageimport=*"java.sql.\*"*%>

<%@pageimport=*"database.\*"*%>

<%

PreparedStatement ps = **null**;

ResultSet resultSet = **null**;

Statement st = **null**;

PreparedStatement ps1 = **null**;

ResultSet resultSet1 = **null**;

Statement st1 = **null**;

String query = **null**;

HttpSession session1 = request.getSession(**false**);

String id = (String) session.getAttribute("id");

HttpSession session2 = request.getSession();

session.setAttribute("id", id);

%>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<liclass=*"selected"*><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/11.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>JagdishChattnalli</h5>

<h5>Neurologist</h5>

<h5>MBBS, DNB</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>E-Commerce Implementation</p>

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<p>EcoSustainable Solution Frameworks</p>

<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"Logout?id=*<%=id%>*"*><fontface=*"TimesNewRoman"*

color=*"blue"*size=*"4"*>LogOut</font></a>

</div>

<h4style="margin-left: *40px*">

ID =<%=id%></h4>

<h3style="margin-left: *40px*">Welcome Sir</h3>

<divid=*"mgs"*>

<palign=*"center"*

style="font-weight: *bold*; font: *18pt courier*; font-variant: *small-caps*; color: *red*;">Message

<p>

<tablecellspacing=*'0'*>

<tr>

<td>Patient ID</td>

<td>Name</td>

<td>Message</td>

<td>Reply</td>

</tr>

<%

query = "select user\_id,user\_name,user\_msg from messages where dr\_id='"

+ id + "' and dr\_msg='---'";

ps1 = Connections.con().prepareStatement(query);

resultSet1 = ps1.executeQuery();

**while** (resultSet1.next()) {

%>

<tr>

<tr>

<td><%=resultSet1.getString(1)%></td>

<td><%=resultSet1.getString(2)%></td>

<td><%=resultSet1.getString(3)%></td>

<td>

<form

action=*"Replay?id=*<%=resultSet1.getString(1)%>*&msg=*<%=resultSet1.getString(3)%>*"*

method=*"post"*name=*"myform"*>

<textarearows=*3*cols=*20*name=*"reply"*id=*"reply"*></textarea>

<inputtype=*"submit"*value=*"Reply"*name=*"sub"*/>

</form>

</td>

</tr>

<%

}

%>

</table>

<palign=*"center"*

style="font-weight: *bold*; font: *18pt courier*; font-variant: *small-caps*; color: *red*;">Replied

Messages

<p>

<tablecellspacing=*'0'*>

<tr>

<td>Patient ID</td>

<td>Name</td>

<td>Message</td>

<td>Reply</td>

</tr>

<%

String query1 = "select user\_id,user\_name,user\_msg,dr\_msg from messages where dr\_id='"

+ id + "' and dr\_msg!='---'";

ps = Connections.con().prepareStatement(query1);

resultSet = ps.executeQuery();

**while** (resultSet.next()) {

%>

<tr>

<td><%=resultSet.getString(1)%></td>

<td><%=resultSet.getString(2)%></td>

<td><%=resultSet.getString(3)%></td>

<td><%=resultSet.getString(4)%></td>

</tr>

<%

}

%>

</table>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<li><ahref=*"patient.jsp"*>Patient</a></li>

<liclass=*"selected"*><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

**Reply.java**

**package dservlet;**

**import hbean.DoctorReplyBean;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**/\*\***

**\* Servlet implementation class Replay**

**\*/**

**@WebServlet("/Replay")**

**public class Replay extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Replay() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**/\*\***

**\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**}**

**/\*\***

**\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)**

**\*/**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String id=request.getParameter("id");**

**// String name=request.getParameter("name");**

**String msg=request.getParameter("msg");**

**String reply=request.getParameter("reply");**

**HttpSession session1=request.getSession(false);**

**String dr\_id=(String)session1.getAttribute("id");**

**System.out.println("Reply to : "+id+" "+msg+" "+dr\_id+" "+reply);**

**DoctorReplyBean bean=new DoctorReplyBean();**

**bean.setU\_id(id);**

**bean.setMsg(msg);**

**bean.setDr\_id(dr\_id);**

**bean.setReply(reply);**

**Interface d=new Implementation();**

**int status=d.reply(bean);**

**if(status==1)**

**{**

**response.sendRedirect("doctor1.jsp");**

**}else**

**{**

**response.sendRedirect("faild.html");**

**}**

**}**

**}**

* **Reviews**

The feature enhancement we use Our future work will focus on the following we will exploit privacy preserving patient-centric clinical decision support systems with other advanced data mining techniques, We are doing reviews with the process.

****

**review.jsp**

<%@pagelanguage=*"java"*contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD HTML 4.01 Transitional//EN""http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<metahttp-equiv=*"Content-Type"*content=*"text/html; charset=ISO-8859-1"*>

<linkrel=*"icon"*href=*"icon/patient.png"*type=*"image/x-icon"*>

<title>Patient1</title>

<linkrel=*"stylesheet"*href=*"css/style.css"*type=*"text/css"*>

<linkrel=*"stylesheet"*href=*"css/table.css"*type=*"text/css"*>

</head>

<%@pageimport=*"java.util.List"*%>

<%@pageimport=*"java.sql.\*"*%>

<%@pageimport=*"database.\*"*%>

<%

PreparedStatement ps = **null**;

ResultSet resultSet = **null**;

Statement st = **null**;

PreparedStatement ps1 = **null**;

ResultSet resultSet1 = **null**;

PreparedStatement ps2 = **null**;

ResultSet resultSet2 = **null**;

Statement st1 = **null**;

String query = **null**;

HttpSession session1 = request.getSession(**false**);

String id = (String) session.getAttribute("id");

String name = (String) session.getAttribute("name");

String drid = request.getParameter("drid");

String drname = request.getParameter("drname");

session1.setAttribute("drid", drid);

session1.setAttribute("drname", drname);

%>

<body>

<divid=*"background"*>

<divid=*"page"*>

<divid=*contents*>

<divid=*"header"*>

<divid=*logo*>

<ahref=*"index.jsp"*><imgsrc=*"images/logo.png"*alt=*"LOGO"*

height=*"90"*width=*"96"*></a>

</div>

<divid=*title*>

<h1>Healing Hospital</h1>

</div>

</div>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a>

<ul>

<li><ahref=*"ulogin.jsp"*>Login</a></li>

<li><ahref=*"uregister.jsp"*>Register</a></li>

</ul></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a>

<ul>

<li><ahref=*"doclogin.jsp"*>Doctor Login</a></li>

</ul></li>

<li><ahref=*"provider.jsp"*>Provider</a>

<ul>

<li><ahref=*"prologin.jsp"*>Provider Login</a></li>

</ul></li>

<li><ahref=*"admin.jsp"*>Admin</a>

<ul>

<li><ahref=*"adlogin.jsp"*>Admin Login</a></li>

</ul></li>

</ul>

<divid=*"section"*>

<divid=*"left"*>

<divid=*"image"*>

<imgsrc=*"doctors/9.jpg"*alt=*"img"*height=*"150"*width=*"190"*>

</div>

<divid=*"divi"*>

<h3>Name :</h3>

<h3>Speciality :</h3>

<h4>Qualification :</h4>

</div>

<divid=*"divi1"*>

<h5>SanyamGadkari</h5>

<h5>General Surgery</h5>

<h5>M.B.B.S. , M.S. General Surgery</h5>

</div>

<divid=*detail*>

<h3>Hospitality</h3>

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<p>Mobility Solutions for enhanced guest experience</p>

<p>Customer Interaction Management</p>

</div>

</div>

<divid=*"full"*>

<divid=*"log"*>

<ahref=*"index.jsp"*>Logout</a>

</div>

<divid=*"mgs"*>

<formmethod=*"post"*action=*"Reviews"*name=*"myform"*

onsubmit="return msgvalidate()">

<palign=*"center"*

style="font-weight: *bold*; font: *18pt courier*; font-variant: *small-caps*; color: *red*;">Message

<p>

<tablecellspacing=*'0'*>

<tr>

<h3>

<td>Name</td>

<td><inputtype=*"text"*name=*"uname"*id=*"mailid"*></td>

</h3>

</tr>

<tr>

<td>Feedback</td>

<td><textarearows=*"5"*cols=*"20"*name=*"msg"*>

</textarea>

<tr>

<td></td>

<td><inputtype=*"submit"*value=*"POST"*/>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input

type=*"reset"*value=*"CANCEL"*/></td>

</tr>

</table>

<br>

<palign=*"center"*style="margin-top: *20px*;">

<ahref=*"patient1.jsp"*>Go to Doctors List</a>

</p>

</form>

<scripttype=*"text/javascript"*>

**function** msgvalidate() {

**var** msg = document.myform.msg.value;

**if** (msg == **null** || msg == "") {

alert("Describe your Feedback.");

**returnfalse**;

}

**returntrue**;

}

</script>

<br><br>

<palign=*"center"*

style="font-weight: *bold*; font: *18pt courier*; font-variant: *small-caps*; color: *red*;">Reviews

<p>

<form

action=*"Delete?user\_id=*<%=id%>*&drid=*<%=drid%>*&drname=*<%=drname%>*"*

method=*"post"*>

<tablecellspacing=*'0'*>

<tr>

<td>Name</td>

<td>Feedback</td>

</tr>

<%

query = "select \* from reviews";

ps1 = Connections.con().prepareStatement(query);

resultSet1 = ps1.executeQuery();

**while** (resultSet1.next()) {

%>

<tr>

<tr>

<td><%=resultSet1.getString(1)%></td>

<td><%=resultSet1.getString(2)%></td>

<%

}

%>

</table>

</form>

<br><br><br><br>

</div>

</div>

<divid=*"footer"*>

<ulid=*"nav"*>

<li><ahref=*"index.jsp"*>Home</a></li>

<li><ahref=*"user.jsp"*>User</a></li>

<liclass=*"selected"*><ahref=*"patient.jsp"*>Patient</a></li>

<li><ahref=*"doctor.jsp"*>Doctor</a></li>

<li><ahref=*"provider.jsp"*>Provider</a></li>

<li><ahref=*"admin.jsp"*>Admin</a></li>

</ul>

</div>

</div>

</div>

</div>

</body>

</html>

Review.java

**package uservlet;**

**import impleme.Implementation;**

**import inter.Interface;**

**import java.io.IOException;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import ubean.MsgBean;**

**/\*\***

**\* Servlet implementation class Reviews**

**\*/**

**@WebServlet("/Reviews")**

**public class Reviews extends HttpServlet {**

**private static final long serialVersionUID = 1L;**

**/\*\***

**\* @see HttpServlet#HttpServlet()**

**\*/**

**public Reviews() {**

**super();**

**// TODO Auto-generated constructor stub**

**}**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**// TODO Auto-generated method stub**

**String name=request.getParameter("uname");**

**String review=request.getParameter("msg");**

**MsgBean bean=new MsgBean();**

**bean.setUname(name);**

**bean.setMessage(review);**

**Interface i=new Implementation();**

**int result=i.review(bean);**

**if(result==1)**

**{**

**response.sendRedirect("reviews.jsp");**

**}else**

**{**

**response.sendRedirect("error.jsp");**

**}**

**}**

**}**

**CHAPTER 8**

**SOFTWARE TESTING**

**8.1 GENERAL**

In this paper, we develop achievability protocols and outer bounds for the secure network coding setting, where the edges are subject to packet erasures, and public feedback of the channel state is available to both Eve and the legitimate network nodes. Secure network coding assumes that the underlying network channels are error-free; thus, if our channels introduce errors, we need to first apply a channel code to correct them, and then build security on top of the resulting error-free network. We show that by leveraging erasures and feedback, we can achieve secrecy rates that are in some cases multiple times higher than the alternative of separate channel-error-correction followed by secure network coding; moreover, we develop outer bounds and prove optimality of our proposed schemes in some special cases.

**8.2 DEVELOPING METHODOLOGIES**

The test process is initiated by developing a comprehensive plan to test the general functionality and special features on a variety of platform combinations. Strict quality control procedures are used.

The process verifies that the application meets the requirements specified in the system requirements document and is bug free. The following are the considerations used to develop the framework from developing the testing methodologies.

**8.3Types of Tests**

**8.3.1 Unit testing**

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program input produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

**8.3.2 Functional test**

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centered on the following items:

Valid Input : identified classes of valid input must be accepted.

Invalid Input : identified classes of invalid input must be rejected.

Functions : identified functions must be exercised.

Output : identified classes of application outputs must be exercised.

Systems/Procedures : interfacing systems or procedures must be invoked.

**8.3.3 System Test**

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

**8.3.4 Performance Test**

The Performance test ensures that the output be produced within the time limits,and the time taken by the system for compiling, giving response to the users and request being send to the system for to retrieve the results.

**8.3.5 Integration Testing**

Software integration testing is the incremental integration testing of two or more integrated software components on a single platform to produce failures caused by interface defects.

The task of the integration test is to check that components or software applications, e.g. components in a software system or – one step up – software applications at the company level – interact without error.

**8.3.6 Acceptance Testing**

User Acceptance Testing is a critical phase of any project and requires significant participation by the end user. It also ensures that the system meets the functional requirements.

**Acceptance testing for Data Synchronization:**

* The Acknowledgements will be received by the Sender Node after the Packets are received by the Destination Node
* The Route add operation is done only when there is a Route request in need
* The Status of Nodes information is done automatically in the Cache Updation process

**8.2.7 Build the test plan**

Any project can be divided into units that can be further performed for detailed processing. Then a testing strategy for each of this unit is carried out. Unit testing helps to identity the possible bugs in the individual component, so the component that has bugs can be identified and can be rectified from errors.

**CHAPTER 9**

**APPLICATION**

**9.1 GENERAL**

Cloud computing is defined as a type of computing that relies on sharing computing resources rather than having local servers or personal devices to handle applications. Cloud storage services have rapidly become increasingly popular. Users can store their data on the cloud and access their data anywhere at any time. It is noted that data owners lose ultimate control over the fate of their outsourced data; thus, the correctness, availability and integrity of the data are being put at risk. On the one hand, the cloud service is usually faced with a broad range of internal/external adversaries, who would maliciously delete or corrupt users’ data.

**9.2 APPLICATION**

**Semantic Web applications:**

LDO is the cornerstone of The Semantic Web, yet there still very few commercial LDO apps. In the latest issue of Nodalities, a magazine about the Semantic Web by UK Company Talis, there is an article by Talis CTO Ian Davis about the state of Semantic Web applications.

**LDO application development for IBM data servers**

An LDOstore in the DB2 database server is a set of user tables within a database schema that stores an LDOdata set. A unique store name is associated with each set of these tables. Each LDOstore has a table that contains metadata for the store. This table has the same name as the store.

* 1. **FUTURE ENHANCEMENTS**

We are doing Review Technique

**CONCLUSION**

In this paper, we have proposed a PPCD using na¨ıve Bayesian classifier. By taking the advantage of emerging cloud computing technique, PC can use big medical dataset stored in CP to train na¨ıve Bayesian classifier, and then apply the classifier for disease diagnosis without compromising the privacy of DP. In addition, the patient can securely retrieve the top-k diagnosis results according to their own preference in our system. Since all the data are processed in the encrypted form, our system can achieve patient-centric diagnose result retrieval in privacypreserving way. For the future work, we will exploit PPCD with other advanced data mining techniques, such as SVM classification.

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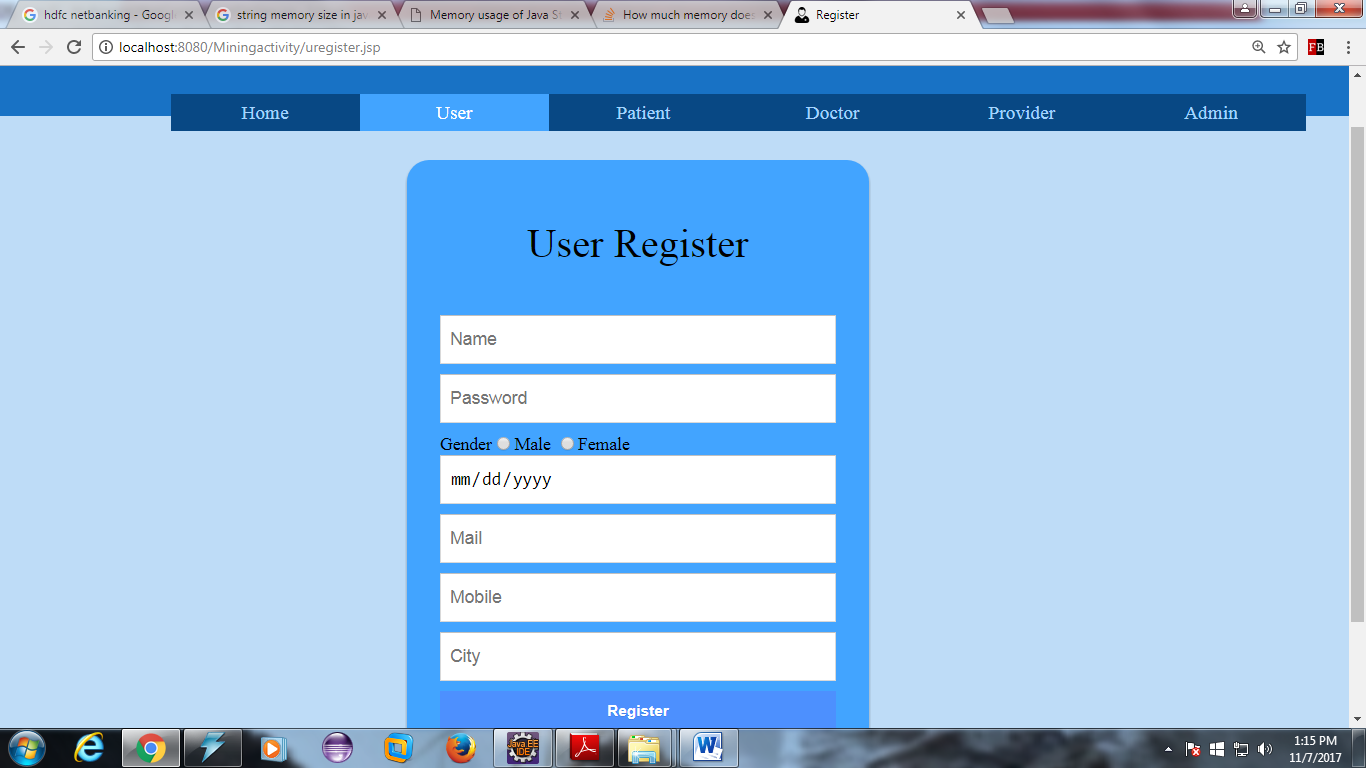
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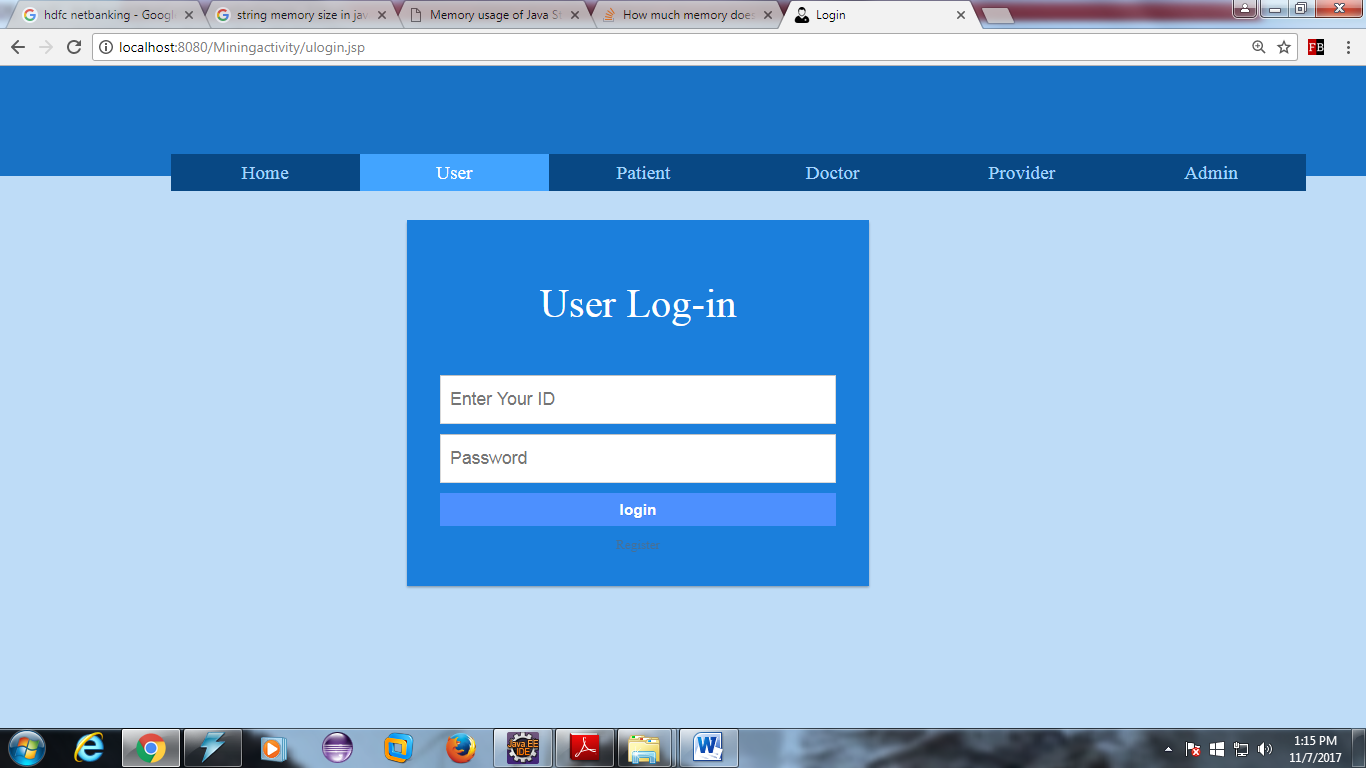
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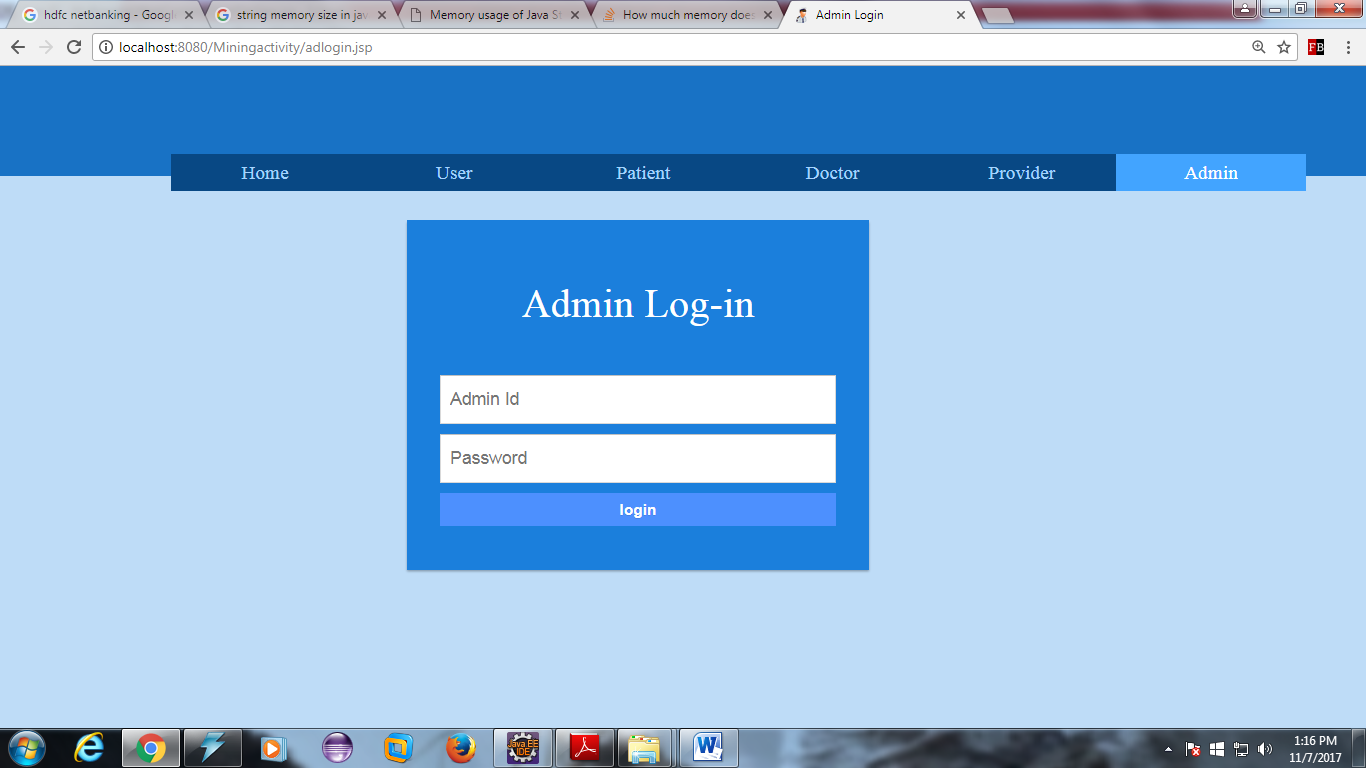
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**SCREENSHOTS:**

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