COURSE PROJECT REPORT

on

CHAT-APP

Submitted in partial fulfilment of the requirement for the award of Degree of

Bachelor of Engineering

in

Computer Science and Engineering

Submitted by:

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Department of Computer Science and Engineering
(NBA Accredited till 2020)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Course Project titled "CHAT-APP" is an authentic work carried out by **Nitish Raj** bonafide student of **Nitte Meenakshi Institute of Technology**, Bangalore in partial fulfilment for the award of the degree of *Bachelor of Engineering* in COMPUTER SCIENCE AND ENGINEERING of Visvesvaraya Technological University, Belagavi during the academic year *2019-2020*

Name Signature of the Faculty Incharge

Name and Signature of the HOD

Dr. Mohan B.A.

Dr. Thippeswamy M.N

DECLARATION

We hereby declare that

(i)   This Presentation does not contain text, graphics or tables copied and pasted from the Internet, unless specifically acknowledged, and the source being detailed in the report and in the References sections.

(ii)   All corrections and suggestions indicated during the internal presentation have been incorporated in the report.

(iii)   Content of the report has been checked for the plagiarism requirement.

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Date: 23rd July 2020

ACKNOWLEDGEMENT

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Last Thanks to my parents for ever supporting encouraging and loving.

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ABSTRACT

Like Internet, today Intranets are becoming more important for the purpose of communication with in an organization, weather the organization is at one geographical point or at different geo-points. Those intranets may be having different platforms. So there is a need to develop cross platform network solution for better communication.

"Chat-App" is a cross platform network solution with in an organization that adapts Internet technologies for better and easy communication. World wide, the most common Internet technologies put to use within the organization. Chat-App is completely runs by Web's hypertext system.

Chat-App is completely developed using the object-oriented, multiplatform programming language Java, which is fully featured with network support. The ease of network programming in Java makes Chat-App best of its kind.

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INTRODUCTION

Chat Application is made using graphical components in the Swing toolkit in Java with MySQL Database. The feature of this chat application includes sign in, sign up, chatting, creating and joining connections. Here you can create your own account and chat freely. This whole system is built using Java programming language with the help of Netbeans IDE. In order to create an account, the user has to enter a username, id, and password. After this, the application will take the user toward a chat section.

Likewise, for creating a connection, you have to enter chat name, select type, and password. And to join a connection you just have to select a connection type, chat name and password. The application connects to a MySQL database that holds users record. Such as their accounts, chat names etc.

SYSTEM REQUIREMENT

The minimum configuration to use this system is as follows:

Hardware Specation:

Processor   : -   Intel Celeron class processor with 233 MHz

RAM   : -   32 MB

Hard Disk   : -   1GB

Monitor   : -   Color monitor

Keyboard   : -   101 keys

Mouse   : -   Any pointing device

Network   : -   Any network supporting TCP/IP

Software Specation:

Platform (both side)   : -   Any platform supports JVM.

Software (Client side)   : -   Java enabled browser with Java Script.

Software (server side)   : -   Java2 SDK or later.

SOFTWARES USED

1. JAVA

2. NETBEANS IDE

3. XAMPP

SYSTEM STUDY

PRESENT SYSTEM:

Multiple number of networks have been designed to cater different needs of various customers. Some of them are quoted below:

LAN:

It is a network, combining many homogenous computer in the same building. Intranet works on the basis of LAN.

MAN:

An acronym for Metropolitan Area Network, this actually connects many intranets and also homogenous computers in a city. It is useful to organizations, like cops in U.S.

WAN:

When expanded it means Wide Area Network. Which is the network of heterogeneous networks(LANs, MANs etc). the powerful evolution of www elevates the importance of WAN.

I, in this report, are restricting ourselves to LANs i.e., Intranets.

ADVANTAGES:

- The major advantage in general words is 'any one can access any thing from anywhere'.
- The most economical way of communication available.
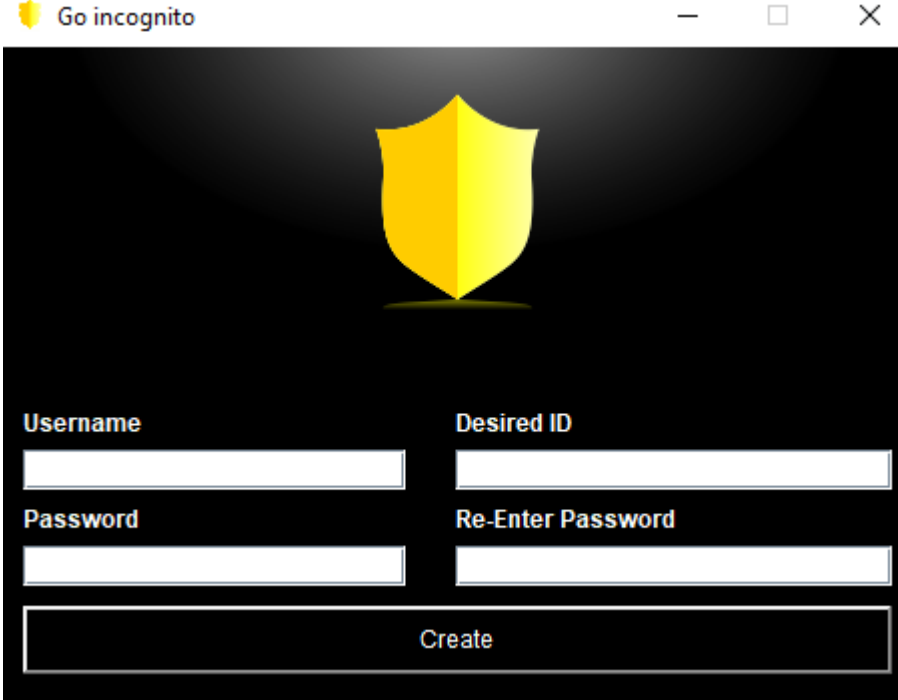- Provides a powerful communication medium among widely separated people.

DISADVANTAGES:

- Security has been one area where computer specialists have been failing for a long time. Crackers and hackers have even intruded into highly secured sites of Defence, FBI and Yahoo.
- As no one virtually controls the web. It has know become an easy medium for sending viruses and other illegal material.

LIST OF FIGURES

1. MAIN WINDOW

2. SIGNUP WINDOW

3 CHAT WINDOW

REFERENCES

1. https://www.wikipedia.org/

2. https://www.geeksforgeeks.org/

3. Herbert Schildt, "Java – The Complete Reference" –, 9th Edition, 2014, Oracel Press.