

Introduction to Mail Management System

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ABSTRACT

Developing different techniques to overcome this problem and protect the consumer, which planted in the hearts of trust people and encouraged them to purchase via the internet. At first you must know what is the main reason for the work of the filtration email the mail service is fast and easy way to exchange messages are singing from the use of traditional mail, there are a large number from of services in the internet requires that you have one email sometimes one of us would like to cancel his participation in one of the sites because of the large number of incoming messages to him from the site does not know and have for a way unsubscribe to get rid of these messages, or would like one of us that some of the messages is prohibited from specific people or locations for some of these problems has the following solution is the work of a filter to any e-mail and work ban for unwanted messages application spam filtering as a last resort, you can set up your own spam blocker with your email application's built-in filter capability Email filtering is the processing of email to organize it according to specified criteria.

Keywords - WWW, IA, Internet, SI, Java, SQL

I. INTRODUCTION

Internet has become one of the largest properties important in our daily lives. They provide a way to enter the vast amount of information, and put at our disposal. More importantly, they have become a very important role to play in the greatest inventions of the twentieth century is e-commerce . Besides the possibility of developing internet unlimited amounts of information in our hands, there is the possibility of buying products and services without leaving the house, E-commerce means that we can do buy books, computers, cards, travel, cars, and the other at any moment. Although this idea was encouraging at first, but they spread was relatively slow because of public concern, keeping banking information and credit card data in an unknown location is a big risk. Although this risk is limited, but it still exists. This danger much to do with the fact that the credit card information sent through unencrypted text, meaning that it can be stolen and used these data to fraud. we have been developing different techniques to overcome this problem and protect the consumer, which planted in the hearts of trust people and encouraged them to purchase via the internet. At first you must know what is the main reason for the work of the filtration email the mail service is fast and easy way to exchange messages are singing from the use of traditional mail, there are a large number from of services in the internet requires that you have one email sometimes one of us would like to cancel his participation in one of the sites because of the large number of incoming messages to him from the site does not know and have for a way unsubscribe to get

rid of these messages, or would like one of us that some of the messages is prohibited from specific people or locations for some of these problems has the following solution is the work of a filter to any e-mail and work ban for unwanted messages application spam filtering as a last resort, you can set up your own spam blocker with your email application's built-in filter capability Email filtering is the processing of email to organize it according to specified criteria. Most often this refers to the automatic processing of incoming messages, in addition to anti-spam techniques [1]

- An electronic message sent from one computer to another
- Email saves money and time compared to regular mail
- An email message takes seconds to reach destination
- Also used to search for a job or to print

A message in this system can be used more than one server in the same program after changing the server name and port of receipt and transmission also shop online Email is a very popular way of communicating with others over the internet. An application that allows users to send, receive, and read email is called an email client after the presence of all threats to internet users and attempts to steal e-mail and steal money and fraud emerged the need to protect e-mail and browsing security through the use of protocol matching the security of SSL and check the real user of this email by having a digital certificate and its validity and the presence of the electronic signature and the company donor and

details user and also user can verify the server is the real caller through the digital certificate of the server is done through several processes of authorization and verification known as hand-shake and note when using the site security appears lock yellow in the side of the page indicates that this site uses protocol SSL to browse security in this the system has worked to use this protocol works with the email of the inability of unauthorized people from stealing or tampering and tampering with messages and also works encrypt the message and password and make sure the validity of the server and the user and also for the system the ability to use more than one server with a change only the port number and has the ability to search for messages by either topic or postal address and has the ability to print the contents of the message and block spam and unwanted by putting your email in the list of filter.

II. WORLD WIDE WEB

The World Wide Web (abbreviated as WWW or W3, and commonly known as the Web) is a system of interlinked hypertext documents accessed via the internet. With a web browser, one can view web pages that may contain text, images, videos, and other multimedia, and navigate between them via hyperlinks [3].

A. Internet Architecture

It is a meta-network a constantly changing collection of thousands of individual networks intercommunicating with a common protocol. The internet's architecture is described in its name, a short form of the compound word "inter-networking". This architecture is based in the very specification of the standard TCP/IP protocol, designed to connect any two networks which may be very different in internal hardware, software, and technical design. Once two networks are interconnected, communication with TCP/IP is enabled end-to-end, so that any node on the internet has the near magical ability to communicate with any other no matter where they are. This openness of design has enabled the internet architecture to grow to a global scale. In practice, the internet technical architecture looks a bit like a multi-dimensional river system, with small tributaries feeding medium-sized streams feeding large rivers.

B. Internet Services

- 1- Dial-up (including ISDN)
- 5- Wi-Fi hotspots
- 6- Wireless Internet service provider - sometimes simply called 'microwave'
- 7- Mobile broadband over terrestrial mobile phone networks using CSD, GPRS, EDGE, EVDO, HSPA, etc. either through mobile phones or PCs
- 8- Satellite Internet

- 14- Wireless mesh network - mostly military and one laptop per child use
- 15- Packet radio
- 16- Free-space optical communication

C. Internet Used

- 1- Transfer speed and pass information, and ease of transport and information and photos e-mail.
- 2- Internet personal mobile briefcase with the user; internet is a library for each person.
- 3- Multimedia used in the global network to cover the same subject; whether in writing or picture or sound.
- 4- Internet shorten the time and effort and money, providing as many minimal effort, there are sites that collect thousands of folders, cut short the effort to read and search through the search services.
- 5- Easily search for any word or image information.
- 6- Use the properties of paying bills and buying through the Internet and dealing with the banks through which saving time, effort and money, and encourages the banks clients to use the internet to ease the pressure on them.
- 7- Make inventions is growing and branching out because of the ease the convergence of scientists and learn about their joint efforts, which increases the area of creativity, Innovation and choice.
- 8- Potential to provide us with extensive experience in expert systems in medicine and management, manufacturing, finance, marketing, education, media and entertainment etc
- 9- Online shopping - online shopping, can buy and sell all kinds of products using credit cards such as Visa and MasterCard, there are many famous sites such as Amazon.com and ebay.com auction site etc.

D. Advantage and Disadvantage:

Advantages

- 1- Availability of mainly free information
- 2- Low cost of initial connection
- 3- Reduces the costs of divulgation
- 4- The same protocol of communication can be used for all the services
- 5- Facilitates rapid interactive communication
- 6- Facilitates the exchange of huge volumes of data
- 7- No barriers to divulgation
- 8- Facilitates access to different sources of information, which is continuously up-dated
- 9- Facilitates management of companies information system
- 10- it is accessible from anywhere
- 11- It has become the global media

Disadvantages

- 1- Danger of overload and excess information

- 2- It requires an efficient information search strategy
- 3- The search can be slow
- 4- It is difficult to filter and prioritize information
- 5- No guarantee of finding what one is looking for
- 6- There is a lot of apparently unconnected information
- 7- Net becomes overloaded because of large number of users
- 8- No regulation
- 9- No quality control over available data
- 10- The ease with which information can be constantly up-dated can cause problems of referencing.

III. PROBLEM STATEMENT

There is a range of problems that threaten the internet, especially email, including spam and hacker threat and for this reason must be the protection of e-mail to the attributes of the sensitive personal information.

A. Problem Defined

Email is prevalent in all aspects of our life today, but in many ways it is still a flawed system. the most notable example is the problem of spam, and there is a wide body of research on detecting, filtering, and removing spam. there is also research dealing with email security, and how to make that security easier to use .[6]

B. Feasibility Study

In any project feasibility analysis stage is very important. the feasibility study is to propose a system according to their influence, the ability of portability, the process to meet user needs and the efficient use of resources. any project may face a scarcity of time, resources or manpower. Important result of the preliminary inquiry is to determine whether the system is required is not feasible or not. the key considerations involved in the analysis of economic and technical feasibility, operational, economic, and after studying the project found that this project fits with the requirements of the user to email filtering and encryption of messages when the transmitter and check the server and the possible use of more than mail in this program [7].

C. Technical

Technical feasibility is the most important of all types of feasibility analysis. Technical feasibility deals with hardware as well as software requirements. An idea from the outline design to system requirements in terms of inputs outputs, files and procedures is drawn and the type of hardware, software, and the methods required for running the systems are analyzed hence the system is technically feasible. [8]

D. Operational

The purpose of the operational feasibility study is to determine whether the new system would be used if it is developed and implemented will there be resistance from users that will undermine the possible application benefits from the outputs of the meeting that was held with the system users. After analyzing the requirements for our project we had come to the conclusion that our project users require the following requirements. [9]

E. Sender's Requirement

- 1- Needs a more user interface.
- 2- More and more security.
- 3- Security feature which are controlled by the user.
- 4- Complexity of the security.
- 5- The account bound with a separate username and password for every user.
- 6- Needs an algorithm which can achieve integrity and authentication.

F. Receiver's requirement

- 1- Access to the POP3 server of the mail server from where the mails are going to be extracted.
- 2- Needs interface.
- 3- Needs a security feature which could make the cryptanalysis more secure.

G. Software Requirements

Tool used: eagetmail_1, HTML, JSP

Front end: Java.

Windows 2000 professional operating system.

Windows XP, windows vista and windows 7.

Internet explorer 5.0 and Netscape navigator.

H. Hard Ware Requirements

Pentium IV Processor

512 MB RAM.

20GB Hard Disk space.

Ethernet card with an internet and internet zone.

IV. CONCLUSION

The need for urgent and day to day email we must protect email from theft, including contains personal information and sensitive private emails are used for companies and businessmen, statesmen and security is also a means closing security gaps that are used by hackers to enter the computer through email for this reason, used the protocol SSL to protect and verify the on the server and the user on the other work in addition to filtering email to any strange or annoying email messages from the forum or advertising and the other to not appear in the inbox .

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