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E-mail spam blocking system using Dotnet

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ABSTRACT

Electronic mail, also known as email or e-mail, is a method of exchanging digital messages from an author to one or more recipients. Email is the most efficient way to communicate or transfer our data from one to another. While transferring or communicating through email there is the possibility of misbehave. In the existing system Spam method is used to avoid the unwanted Email receiving. Email spam, also known as unsolicited bulk Email (UBE), junk mail, or unsolicited commercial email (UCE), is the practice of sending unwanted email messages, frequently with commercial content, in large quantities to an indiscriminate set of recipients. But in Spam method there is no way to prevent the unwanted messages or Email receiving. To solve these unwanted messages or Email receiving we propose the concept Email misbehave blocking system. In the proposed method we permanently prevent the incoming unwanted messages or Email through blocking system.

INTRODUCTION

Electronic mail, sometimes called email, is a computer based method of sending messages from one computer user to another. These messages usually consist of individual pieces of text which you can send to another computer user even if the other user is not logged in (i.e. using the computer) at the time you send your message. The message can then be read at a later time. This procedure is analogous to sending and receiving a letter. Originally, email messages were restricted to simple text, but now many systems can handle more complicated formats, such as graphics and word processed documents. Some electronic-mail systems are confined to a single computer system or network, but others have gateways to other computer systems, enabling users to send electronic mail anywhere in the world. Companies that are fully computerized make extensive use of e-mail because it is fast, flexible, and reliable.

EXISTING SYSTEM

In recent years Email spam is sent via "zombie networks", from personal computers in homes and offices around the globe. Detecting spam based on the content of the email, either by detecting keywords or by statistical means i.e., content or non-content based, is widely used technique to find spam messages. Content based statistical means or detecting keywords can be very accurate when they are correctly tuned to the types of legitimate email that an individual gets. The content also doesn't determine whether the email was either unsolicited or bulk, the two key features of spam. Non-content base statistical means can help lower false positives because it looks at statistical means vs. blocking based on content/keywords.

Existing system disadvantages

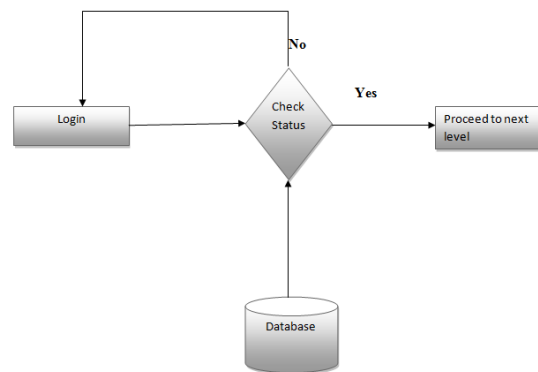
- We can only move the incoming spam messages to the spam folder but we can't prevent receiving spam mails.

- It occupies the more mail memory wastage by receiving this kind of spammed mails.
- We need to delete the unwanted spam messages manually; it is time consuming process to the users and it takes the request or response service from the email server.
- By this method there is the possibility of receiving virus or warm emails from the spammer.

PROPOSED SYSTEM

We propose an Email spam blocking system, which blocks the incoming spam or unwanted messages. In this method users can able to prevent the spam messages entering into their inbox or spam box. Since the unwanted emails are blocked from the spammer. So we can save the mail memories, because of mail memories are limited we need to save our memory. We are not in need to view our Spam box. In case of emergency

MODULE DIAGRAM



SYSTEM ARCHITECTURE

Our system model consist of three blocks one is user side processing. In the user side process, the user can send mail to another user, block the particular sender, can unblock the blocked sender and can send emergency mail for blocked recipient. Second block is the host website which is hosted in the server to interact with user. The server executes our web application so that the user can able to access our web application to communicate with other user. Third block is data

communication the blocked person email can be unblocked by the recipient user who blocked the spammer. This emergency communication is possible only once for a blocked account. If they are unblocked that particular account they can communicate frequently like normal user, if they are misusing the emergency communication then the same spammer account can be blocked again by then the spammer cannot communicate with the recipient in future.

Proposed system advantages

- By this method we can permanently block the receiving messages.
- There is no mail memory wastage for the unwanted emails, because the unwanted emails are blocked.
- There is no need of opening the spam folder so we can save our time.
- By this method there is no way of receiving virus or warm emails from the spammer.

storage which stores the user's mails and blocked and unblocked mail address list.

IMPLEMENTATION

This chapter describes the application implementation to achieve the E-mail blocking system over the communication network.

DATABASE DESIGN STRUCTURE

Database design is the process of producing a detailed data model of a database. This logical data model contains all the needed logical and physical design choices and physical storage parameters needed to generate a design in a Data Definition Language, which can then be used to create a database. A fully attributed data model contains detailed attributes for each entity.

Table Name: - User Data

This table is used for storing and retrieving user details for managing the authentication process. In this table five columns are created .one is “username” for set user id, ”password” for securing the account, “email” id for contact details ,and “question” for store the question selected and ”answer” for store answer provided by the user .

Table Name: Users Inbox

This table is created and used to maintain the list of emails for different users. Based on these user name column details we can show the users emails details for the corresponding person when they are viewing their inbox details.

REFERENCE

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Table Name: -Trash Items

This table is created and used for maintaining the list of deleted email details of the users. Based on this table we can show the users deleted emails for the corresponding person when they are viewing their trash items.

Table Name: - Sent Item

This table is created and used for maintaining the list of emails which are sent by the one user to other users.

CONCLUSION

Security is the major factor in the Internet, especially in the E-mail Communication system there is the possibility of misbehave or sending malicious program. Our spam blocking system effectively solves this problem by moving the spammers into the blocked list. By maintaining this blocked list we avoid the spam messages sending and receiving from the spammer. And also it reduces the server overhead by instead of sending the spam mail to the receiver.