SYNOPSIS

Title

Intelligent Rule-Based Phishing Websites Classification

Problem -

➢ There are number of users who purchase products online and make payment through e- banking.

➢ There are e- banking websites who ask user to provide sensitive data such as username, password or credit card details etc. often for malicious reasons.

➢ This type of e-banking websites is known as **Phishing Websites** and to detect this type of phishing websites , we have Proposed a System Model.

Reason to choose this topic -

➢ In order to detect and predict e-banking phishing website, we proposed an intelligent, flexible and effective system that is based on using classification Data Mining algorithm.

Main Objective -

➢ The e-banking phishing website can be detected based on some important characteristics like URL and Domain Identity, and security and encryption criteria in the final phishing detection rate.

➢ We implemented classification algorithm and techniques to extract the phishing data sets criteria to classify their legitimacy.

➢ Once user makes transaction through online when he makes payment through e-banking website our system will use data mining algorithm to detect whether the e-banking website is phishing website or not.

➢ This application can be used by many E-commerce enterprises in order to make the whole transaction process secure.

➢ Data mining algorithm used in this system provides better performance as compared to other traditional classifications algorithm.

Scope of the Project -

➢ With the help of this system user can also purchase products online without any hesitation.
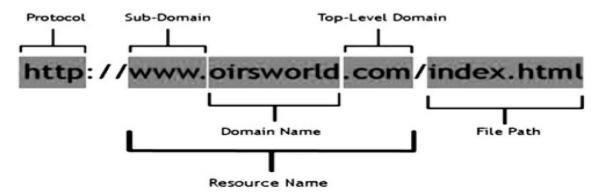
➢ **Modules** :-

The system comprises of 2 Major Modules with their sub-modules as follows:

1. **Admin** :-
   - ❖ *Login:* Admin can login with his personal account.
   - ❖ *Add Blacklisted Sites:* Admin can add some blacklisted sites in database.
   - ❖ *View Feedback:* Admin can see feedback written by user.
   - ❖ *Logout:* Admin can logout from his account.

2. **User** :-
   - ❖ *Register:* User can register their personal details.
   - ❖ *Login:* User can login with their personal account.
   - ❖ *Check Website:* User can check some websites.
   - ❖ *Write Feedback:* User can write their view in form of feedback.
   - ❖ *Change Password:* User can change their password.

Software Requirements -

- Windows 7 or higher
- SQL 2008
- Visual studio 2010

Hardware Components -

- Processor – i3+
- Hard Disk – 5 GB (Min)
- Memory – 1 GB RAM (Min)
- Stable Internet Connection

Advantages –

➢ Unused or not secure website will be automatically get scanned.

➢ Data mining algorithm used in this system provides better performance as compared to other traditional classifications algorithms.

➢ With the help of this system user can also purchase products online without any hesitation.

Limitations of the System Proposed –

➢ Admin has to add a website in block listed group, it doesn't get generated automatically.

➢ Required an active internet connection.

Conclusion –

So , this System can be use for safety from outside virus and bugs. Many E-commerce websites can use this system in order to have good customer relationship. User can make online payment securely with help of this system.

As, the project files and a database file will be stored into the Azure cloud, the project will be accessed in the web browser through Azure link.

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