

# A PRODUCT LINK PROTECTION SCHEME FOR ONLINE PURCHASE SYSTEM

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**Abstract - Product link protection Scheme for online purchase System is mainly used to avoid purchasing fake products in online. Most of the people requires genuine information about the online product but before spending their economy on particular product can analyse the various blogs or web link . Every day banks need to perform many activities related to users which needs huge infrastructure with more online web applications etc. Almost everybody faces issues with online shopping, primarily because you need to make a purchase decision without actually looking at the product or trying it out. Especially authentication and validation of user access is the major task in the online Product security systems. The system has provided the secure transaction and find fake distributed user to the respective web server. This system will be accessible to all users who have valid secure transactions. The user can view the Product detail when find & the IP address. The main objective is to create a secure online product purchase security providing the main server system and increase the users secure.**

**Keywords— Product Security System, web link**

## I. INTRODUCTION

Product link protection Scheme for online purchase System project is a model Internet Banking Site. This site empowers the clients to perform the essential sitting so as to manage an account exchanges at their office or at homes through PC or portable PC. The clients can get to the banks site for review their Account subtle elements and perform the exchanges on record according to their necessities. With Internet Banking, the block and mortar structure of the customary managing an account gets changed over into a tick and gateway model, accordingly giving an idea of virtual keeping money a genuine shape. In this way today's keeping money is no more restricted to branches. E-saving money encourages managing an account exchanges by clients round the clock internationally. The essential point of this product is to give an enhanced configuration procedure, which imagines the future extension, and adjustment, which is vital for a centre division like keeping money. This requires the outline to be expandable and modifiable thus a particular methodology is utilized as a part of building up the product. Anyone who is an Account holder in this bank can turn into an individual from internet managing an account. He needs to fill a structure with

his own subtle elements and Account Number. All exchanges are done online by moving from records in the same Bank. The product is intended to beat the downsides of the manual framework. The product has been created utilizing the most effective and secure backend SQL Server 2008 and the most broadly acknowledged web situated and also application arranged .Net Platform 2010.

## II. LITERATURE SUURVEY

A) D. Song, E. Shi, I. Fischer, and U. Shankar, "Data mining data protection for the masses,"

Implementing data mining computing empowers numerous paths to Web-based computing service offerings for meeting diverse needs. However, data mining data security and privacy information protection have also become a critical issue restraining the data mining applications. One of the major concerns in security is that data mining operators will have a chance to reach sensitive data, which dramatically increases users' anxiety and reduces the adoptability of data mining computing in many fields, such as the financial industry and governmental agencies. This paper focuses on this issues and proposes a novel approach that can efficiently split the file and separately store the data in the distributed data mining servers, in which the data cannot be directly reached by data mining service operators. The proposed scheme is entitled as Security-Aware Efficient Distributed Storage (SAEDS) model, which is mainly supported by the proposed algorithms, named Secure Efficient Data Distributions (SED2) Algorithm and Efficient Data Conflation (EDCon) Algorithm. Our experimental evaluations have assessed both security and efficiency performances.

B) C.-K. Chu, W.-T. Zhu, J. Han, J. Liu, J. Xu, and J. Zhou, "Security concerns in popular data mining storage services,"

Data mining computing services have become popular among businesses and individuals. A common application of data mining computing service is data mining storage service. Data mining storage services provide storage to the individuals and businesses. Businesses and individuals generally use data mining storage services for backup purposes and for sharing documents, pictures, videos, and multimedia files with others. When using data mining storage services, there are two main concerns namely, data mining security and forensics investigation in the data mining. The security concern is, the data stored in the data mining be compromised. The forensics concern is, the recovery of computer evidence from the data

mining is more complicated. This research contributes to the forensics analysis of data mining storage services. We report the result of our experiment in obtaining forensics artifacts from data mining storage services such as Dropbox. We demonstrate that the use of computer forensics tools and systematic forensics methodologies can produce valuable artifacts to the computer forensics investigators. This is because criminals may use data mining services for illegal purposes. Moreover, we use Wireshark to analyze network traffic log files after working with data mining software to determine the details of activities in the data mining.

C) K. Yang and X. Jia, "Data storage auditing service in data mining computing: challenges, methods and opportunities,"

During this analytical green engineering methods series we are going to review green engineering system and process modeling, system analysis and design following sustainable lean six sigma principles. These principles are well established in quality circles and they apply in a very positive way to our sustainable green engineering effort. This tutorial offers and explains customizable and downloadable graphic templates that you can use--and modify--for process modeling, system modeling and system designing green engineering processes and systems. The tutorial focuses on the actual use of the templates and provides some examples. The purpose of this tutorial is to enable you to model complex green engineering systems, process inputs, outputs, resources and controls. You will see critical compliance aspects of products, processes and service systems by using customizable templates. The customizable templates provide you a set of architecture, format, syntax, some semantics, and a good head start when modeling. It provides guidance, some structure, as well as time saving since you are given templates and do not have to start from scratch.

D) G. Ateniese, R. Burns, R. Curtmola, J. Herring, L. Kissner, Z. Peterson, and D. Song, "Provable Data Possession at Untrusted Stores,"

In recent years, data mining computing has gradually become the mainstream of Internet services. When data mining computing environments become more perfect, the business and user will be an enormous amount of data stored in the remote data mining storage devices, hoping to achieve random access, data collection, reduce costs, facilitate the sharing of other services. However, when the data is stored in the data mining storage device, a long time, enterprises and users inevitably will have security concerns, fearing that the information is actually stored in the data mining is still in the storage device or too long without access to, has long been the data mining server removed or destroyed, resulting in businesses and users in the future can't access or restore the data files. Therefore, this scheme goal to research and design for data storage data mining computing environments that are proved. Stored in the data mining for data storage, research and develop a security and efficient storage of proof protocol, also can delegate or authorize others to public verifiability whether the data actually stored in the data mining storage devices.

E) J. Sun and Y. Fang, "Cross-Domain Data Sharing in Distributed Electronic Health Record Systems,"

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F) J. Sun, X. Zhu, C. Zhang, and Y. Fang, "HCPP: Cryptography based Secure EHR System for Patient Privacy and Emergency Healthcare,"

systems which are considered more efficient, less error-prone, and of higher availability compared to traditional paper record systems. Patients are unwilling to accept the EHR system unless their protected health information (PHI) containing highly confidential data is guaranteed proper use and disclosure, which cannot be easily achieved without patients' control over their own PHI. However, cautions must be taken to handle emergencies in which the patient may be physically incompetent to retrieve the controlled PHI for emergency treatment. A secure EHR system, HCPP (Healthcaresystem for Patient Privacy), based on cryptographic constructions and existing wireless network infrastructures, to provide privacy protection to patients under any circumstances while enabling timely PHI retrieval for life-saving treatment in emergency situations. Furthermore, our HCPP system restricts PHI access to authorized (not arbitrary) physicians, who can be traced and held accountable if the accessed PHI is found improperly disclosed. Last but not least, HCPP leverages wireless network access to support efficient and private storage/retrieval of PHI, which underlies a secure and feasible EHR system.

### III. SYSTEM ARCHITECTURE

A system architecture or systems architecture is the conceptual model that defines the structure, behaviour, and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviours of the system. System architecture can comprise system components, the externally visible properties of those components, the relationships (e.g. the behaviour) between them. It can provide a plan from which products can be procured, and systems developed, that will work together to implement the overall system. There have been efforts to formalize languages to describe system architecture; collectively these are called architecture description languages (ADLs).

**Various organizations define systems architecture in different ways, including:**

- An allocated arrangement of physical elements which provides the design solution for a consumer product or life-cycle process intended to satisfy the requirements of the functional architecture and the requirements baseline.
- Architecture comprises the most important, pervasive, top-level, strategic inventions, decisions, and their associated rationales about the overall structure (i.e.,

essential elements and their relationships) and associated characteristics and behavior.

- If documented, it may include information such as a detailed inventory of current hardware, software and networking capabilities; a description of long-range plans and priorities for future purchases, and a plan for upgrading and/or replacing dated equipment and software
- The composite of the design architectures for products and their life-cycle processes.

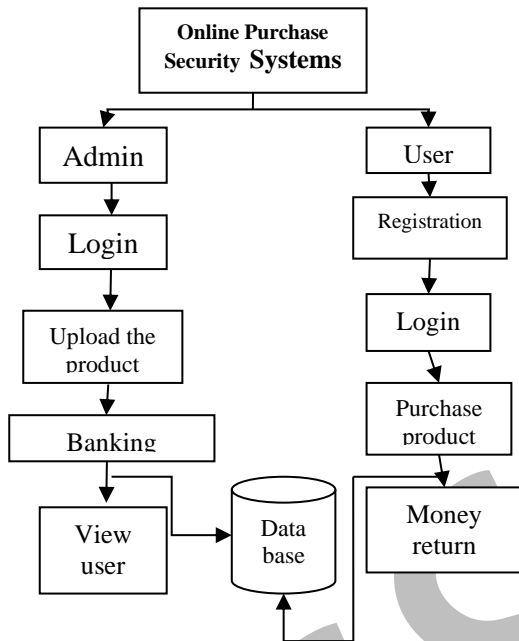


Fig 1 System Architecture

IV. EXISTING SYSTEM & PROPOSED SYSTEM

The present system consists of networking environment wherein regular activities are automated. However activities like Demand Draft issues, Pay Order issues are done manually and corresponding registers updated manually. Further the status of a pay order whether the same has been honored or not cannot be accessed, in case, if required. Above all in manual system, only the man responsible for USER PAY THE ONLINE TRACTION'S AMOUNT /Pay issue is aware of the various records to be updated on each transaction. Readability of the records, which are maintained manually, is also constrained in the present system. Since record are kept on a paper registers, again is also a problem.

Further retrieving information from such records for a period is tedious, as the storage place restricts, old records will be kept off the disk. Also report generation of the various areas is done manually using great amount of manpower and time. Erroneous records may lead to misleading information, which is more likely in manual system. The great limitation to the existing system is that the service to the customers is limited to the bank hours only. The online banking business providing amount interested facility provides 24 hours service to the customer. These activities are in existing system.

Limitations of the existing system

- Leads to tedious find the fake user work.

- Enormous amount of time consumption for recording all transactions.
- Economic justification is not obvious.
- The technique adopted in this system is more complicated.
- Lack of technical background towards the system.

PROPOSED SYSTEM

With a specific end goal to defeat the disadvantages in the existing framework database is made which is:

- Integrated
- Accessibility
- Reliable
- Consistent
- Flexible
- Secure

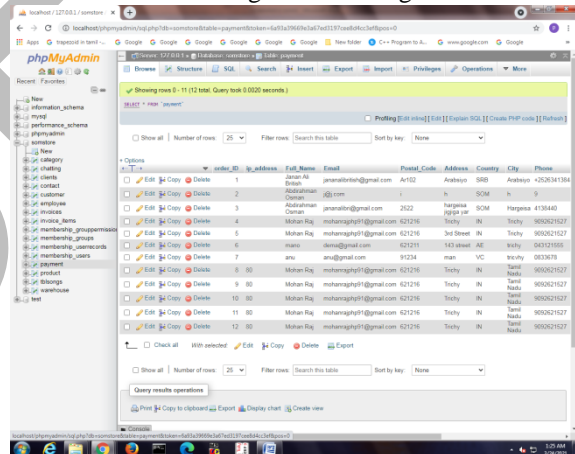
MODULES DESCRIPTION

There are two modules in the project such as,

- Administrator Module
- User Module

Administrator Module

Fig 2 Admin Login



Administrator can maintain user side process .In this module contains three sub modules such as,

- Provide Security
- Search User Details
- Update Details

Provide Security

Security is the degree of resistance to, or protection from, harm. It applies to any vulnerable and valuable asset, such as a person, dwelling, community, nation, or organization. Network security is a one type of security. Network security involves the authorization of access to data in a network, which is controlled by the network administrator. The most common and simple way of protecting a network resource is by assigning it a unique name and a corresponding password. In this module, the admin provide the username and password to the user after registration. This username and password send as message to the respective user. Using this valid username and password, the user can view the account.

Search User Details

Search engines are the single largest source of web application. When admin need some information about user they go to a search engine first. Using search button, the admin can view the user details. User details like name, auser pay the online tractions amount res, mobile number and so on. Admin search the user details using Email ID.

#### **Update Details**

Update means to maintain the details up to date. Using update button, the admin can modify the user details and send the message to user about modification details.

#### **User Module**

A user is a person who uses a computer or network service. Users generally use a system or a software product without the technical expertise required to fully understand it. In the user module have some sub modules such as,

- Open new Account
- Generating Id
- Purchase Products Link
- Report generations
- Visually Generated Report

#### **Open New Account**

Registration means the user create a new account in application. In this module, the user open a new account the admin needs some details like name, date of birth, a user pay the online tractions amount res, mobile number and proof. The user fills all the details correctly then the admin provide the new secure transactions find fake business user to the user. The user should login with valid secure transactions find fake business user otherwise the user can't to view the profile.

#### **Purchases Id**

Generating Id is an exchange a sort of activity included in leading business, or a communication between individuals security. When the user go to the bank, fill up the form, and store the user paycheck, the user can make a transaction. The same method is followed in proposed system. The user can transact their amount from one account to another Id . After the transaction was completed the user can receive the alert message from the website.

#### **IP Product Link**

Purchase product link means to the demonstration of putting something some place to get the product. In this system, the user tag fake product there in not received to user address. After the get this issue in online tractions for the account the user can view fake product to lose. A user pay the online tractions on the product. In this model get some information to use account for the applied account them. Do you need an IP tracker, to collect user profiles to your website and online assets, based on IP addresses

#### **Report Generations**

To your custom reports from the Purchase portal and then select them from the drop-down menu in database. You can then apply any additional security to that information's . Businesses to generate reports. save each in a separate workbook, and print automatically..

### **V. CONCLUSION AND FUTURE ENHANCEMENT**

#### **a) CONCLUSION**

Product link protection Scheme for online purchase System is a web based application. Every day online purchase need to perform many activities related to users which needs

huge infrastructure with more End user ID etc. Almost everybody faces issues with online shopping, primarily because you need to make a purchase decision without actually looking at the product or trying it out, whether it is clothes, cosmetics, personal care products, accessories or electronic goods. You may need to return products for issues regarding size, fit, quality, colour or delivery and should be able to get your money back or the product exchanged. In this system, the user can easily perform the money transaction within the place with IP address. The first step is to get in touch with the website or the seller. Except for fake shopping sites, where it is almost impossible to get your money back, the reputed ones will resolve issues after following the redress process and a bit of a follow up. There are two main modules such as admin and user modules. In admin module, the admin can maintain the user details and modify the details. In user module, the user can verify correct product through online and ensures security.

#### **b) FUTURE ENHANCEMENT**

Product link security system helps the user to purchase the correct product through secured method. In future review for Fake or genuine product will also be provided. The MAC address shall also be tracked and it will be informed to the admin.

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