Emailing System as the basis for making automation of email System

Manumeet Mukund[1], Rana Majumdar[2]

[1]Final Year Student (M.Tech.), Computer Science and Engineering, Amity University, UP, India
[2]Asst. Prof., IT Department, Amity University, UP, India

Abstract: This thesis presents an analysis of a capability to employ email System as the basis for making automation of email System. My project covers all the aspects of the related database technologies, such as JSP with SQL Server 2000 architecture to help determine how enterprises can implement this approach in the real insecure world, with commercial off -the-self products, to meet their needs. There were many concerns about using the JSP and servlets with SQL Server 2000 as the basis for using records of database, due to a trusted environment. By using appropriate trusted parts, when really necessary, and new technologies, we can find secure solutions for creating, storing and disseminating records.

The potential benefits of automating the service of email System is extensive especially with regard to better utilization of time, efficiency, space and safety. Now, new advances in technology have brought a practical system within reach. This project discusses the potential benefits of email automation, the associated technology requirements, and cost/benefit trades.

In order to implement the above, products, such as JSP and SQL Server 2000, are used. These are not only available free, easily testable and commonly used, but they provide us with a great interoperability among almost all the GUI platforms. The implementation can also be done by using other competitive technologies or platforms or can even use similar or related commercial products.

I.   INTRODUCTION

EMailing system is a web application, which can be developed by using various web technologies such as ASP.NET, VC++, PHP and JSP etc. Computer and communication technologies have brought revolutionary changes in the information acquisition, processing, storage, retrieval and propagation. Keeping in view of the latest trend in Information Technologies (IT), I have developed windows-based software called EMailing system, which provides the total solutions for Intranet communication. EMailing system is designed using Client-Server Architecture, which imparts extra strength to storage capacity, multiple accesses to single database, backup and restore facilities. This software has been designed after a comprehensive study of different related functions practiced by several mail servers. The user-friendly GUI software is quiet easy to work with.

EMailing system is a mail tracing utility. It can receive mails from mail account and can send mail to other mail users. It can handle received mail efficiently with tracking each mail, its recipients and messages. It also has reporting of these mails. Mail accounts can be added and removed very easily and has many more features. It can also edit, modify, erase or view any user's mail account or can assign any user any authenticity or can change the preference of mails to and from users.
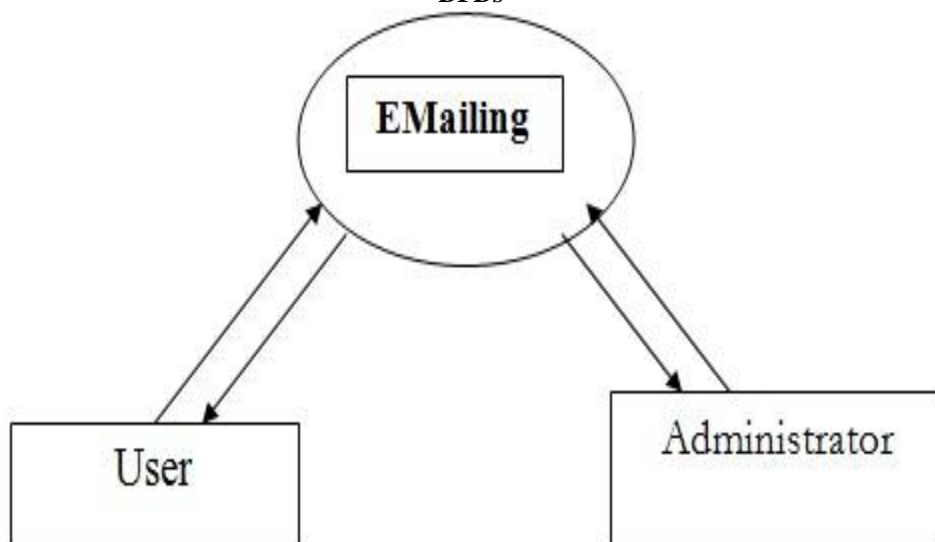
II.   FIGURES AND TABLES
DFDs

Fig (1): Physical Context Diagram for Emailing System:

Note: The Administrator is only a conceptual part of the system. The system is fully automated in itself.
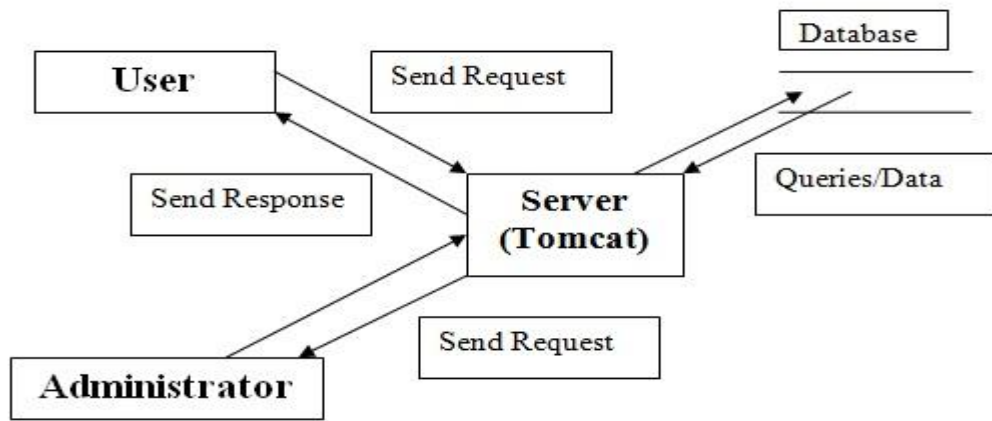

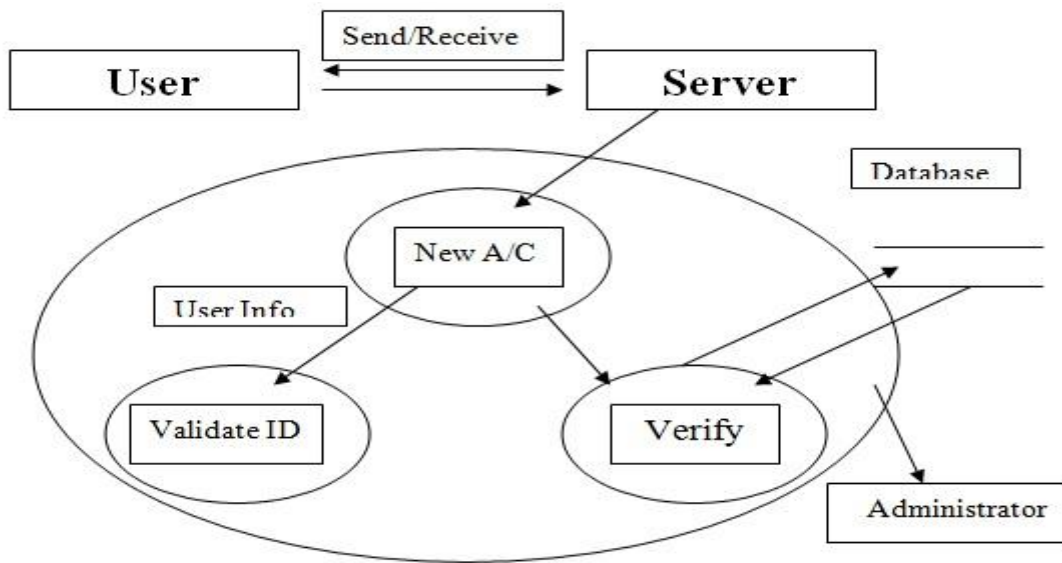**Fig (2): First Level Logical Diagram for Emailing System:**
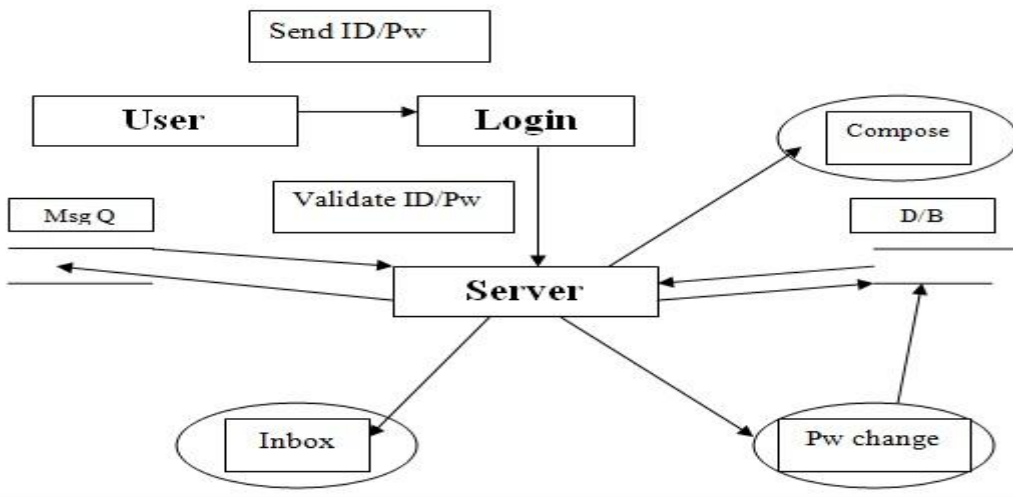

Fig (3): Second Level Logical Diagram for Emailing System

Fig (4): Third Level Logical Diagram for Emailing System:

Mail table

Field name	Data type
uid	varchar(20)
mdate	datetime
msub	varchar(50)
msize	numeric
mailin	varchar(1000)
mailout	varchar(1000)

User

Field name	Data type
uid	varchar(20)
pass	varchar(20)
seq	varchar(100)
ans	varchar(100)
occu	varchar(50)

III. CONCLUSION

The EMailing system is developed on the top of SQL Server 2000 RDBMS using Integrated Development Environment provided by Java. It is Windows based software, which provides multiprogramming and multi-tasking environment. Thus EMailing system is using built in security and recovery feature of SQL Server 2000 RDBMS. Also since the 'EMailing system' is developed using Java (JSP) and therefore it has used event driven and modular programming style. Thus it facilitates for extendibility i.e. activities for new establishment can be easily added without affecting the main program with less effort and cost. An email System capable of delivering on the promises outlined above would necessarily have to be sophisticated and presumably involve substantial electronics, computers, and software. But, EMailing system is a very time critical function. We certainly aren't going to deploy a new system that we couldn't prove is more accurate and timely than the existing system. At the same time, cost is going to be a major factor.

To explore this issue, let's examine some other transportation systems. The elevator was first automated in approximately 1940. Because elevators are mechanically guided except for one degree of freedom and other simplifying circumstances, automation could be accomplished without electronics, much less computers. Train automation is somewhat more difficult but also involves mechanical guidance. Mechanically guided email Systems have actually been proposed but would be much too limited.

Keep in mind that the potential benefits of EMailing system are large. The savings in time, cost, efficiency, promptness, and reduced manpower burden, man-to-man enquiry will justify rather large development and deployment costs.

EMailing system is "network enabled" to connect to any other service center of the same company and "web enabled" to enable the customers to get the status of their mails from any part of the world.

IV. ACKNOWLEDGEMENT

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Books
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