

Sam-System Access by Mail

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Abstract: Using Java we are going to create interface to receive Email. After receiving the Email, our system will read message from Email. Depending on the message our system will execute commands on our computer one by one. After completion of execution of commands our system will send confirmation email to the user. For implementing this we are going to use SMTP programming for receiving and sending the emails.

I. INTRODUCTION

In computer science, an interpreter normally means a computer program that executes, i.e. performs, instructions written in a programming language. An interpreter may be a program that either

1. Executes the source code directly.
2. Translates source code into some efficient intermediate representation (code) and immediately executes this.
3. Explicitly executes stored precompiled code made by a compiler which is part of the interpreter system.

Perl, Python, MATLAB, and Ruby are examples of type 2, while UCSD Pascal is type 3: Source programs are compiled ahead of time and stored as machine independent code, which is then linked at run-time and executed by an interpreter and/or compiler (for JIT systems). Some systems, such as Smalltalk, BASIC, Java and others may also combine 2 and 3. While interpreting and compiling are the two main means, by which programming languages are implemented,

these are not fully distinct categories, one of the reasons being that most interpreting systems also perform some translation work, just like compilers. The terms "interpreted language" or "compiled language" merely mean that the canonical implementation of that language is an interpreter or a compiler; a high level language is basically an abstraction which is (ideally) independent of particular implementations independent of particular implementations.

Electronic mail, normally called email or mail, is a technique for trading computerized messages from a creator to one or more beneficiaries. Current email works over the Internet network other PC systems. Some early email frameworks required that the creator and the beneficiary both be online in the meantime, in a similar manner as texting. Today's email frameworks are in view of a store-and-forward model.

Existing System:-

- ▶ In present situation we have many option to handle our pc
- ▶ But in normally, user can operate his computer only when he is physically present in front of system.
- ▶ The other way to operate computer externally is remote desktop but disadvantage of remote desktop is that system is accessible only when both the user are present.
- ▶ User requires another system to operate our system & software has to be installed on both sides.

Disadvantages of Existing system

1. Software has to be installed on both side.
2. User requires another system to operate our system.
3. System is accessible only when both the users are present.

Interpreter

In computer science, an interpreter normally means a computer program that executes, i.e. performs, instructions written in a programming language. An interpreter may be a program that either:-

1. Executes the source code directly
2. Translates source code into some efficient intermediate representation (code) and immediately executes this
3. Explicitly executes stored precompiled code made by a compiler which is part of the interpreter system

Email:-

Electronic mail is a method of exchanging digital messages from an author to one or more recipients. Modern email operates across the Internet or other computer networks. Today's email systems are based on a store and forward model. Email servers accept, forward, deliver forward, deliver

and store message.

Content Extractor

Content extraction (CE) is a type of information retrieval whose goal is to automatically extract structured information from unstructured and/or semi

Proposed System:-

1. User Will Send Email with command.
2. Our system will connect to the mail server and read the mail.
3. Store the message into the database.
4. System will then apply parsing to extract the commands and parameters.
5. System will execute the command.

Objects of Project:-

Objectives

1. Developing email receiver and sender
2. Message Parsing Module
3. Commands execution module
4. Database interface

SMTP (Simple Mail Transfer Protocol)

It's an arrangement of correspondence rules that permit programming to transmit email over the Internet. Most email programming is intended to utilize SMTP for correspondence purposes when sending email. It works for active messages. At the point when individuals set up their email programs, they will commonly need to give the location of their ISP's SMTP server for cordial mail. SMTP gives an arrangement of codes that improve the correspondence of email messages between servers. It's a kind of shorthand that permits a server to separate diverse parts of a message into classes the other server can get it.

Advantages:-

1. Execute commands from any place.
2. User can control process & Programs from anywhere.
3. User can operate other system by using his mobile or any system which is compatible with mail services

II. CONCLUSION

In SAM (System Access by Mail), user can send email from any system like mobile or computersystem to our software which is on the other side. Main advantage of developing this type of project is, no need of any end user to handle the system where our software is loaded. The software is totally automated so no need to start our software after starting the

computer system where our software is loaded. Our system is registered with particular mail id. User will send the mail to our software which contains commands with specified pattern. Our software will execute that command without any help of human. After execution of the command it will automatically attach executed command to the mail id of user.

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