## Web Joens: Overview

through webforms. To be fully functional a web form needs the common gateway Interface (CGI) program which processes and stores the received information.

a single web form can have several fields to collect various types of information from the user of a website. For example, a webform may have fields that collect information about a users name address and credit card number.

Allowed presses the submit button, the information of uploaded or e-mailed to the receiving server where it is stoned and may also be processed.

In addition to the submit button, many forms provide a next button. Selecting the reset button clears the data entered in the fields of a web form and resets the fields to their default values.

- \* To be fully functional, a web form needs a program to process its script. A CGI is a program that processes data submitted by users. on user request, CGI allows a web server to hand over control to a software application that receives, organizes and netters data in a consistent form.
- \* CGI programs employ a server side script whereas chent side script is executed on client.
- this resides on a server. It is a set of instructions that help you to process web form input. Server side scripts are generally written in the PERI ( Practical Extraction and Report Language) programming language.
- This resides on the cheat and helps the users process web from upat. It is a set of instructions that is embedded into titrul ranges and is downloaded by users.

  Programming languages, Such as Javasoriet and UBS cript are commonly employed for chants side scripting
- \*A CGI SCRIPT that resides on a server performs
  two important functions. First the serier reads
  the CGI script to receive the web form data
  from the web browser. Secondly, the CGI
  script proceeded this date to remove
  extraneous information and then format it

- \* borons societs, servers and utilities available for unix, Macintosh and Windows OS3 Simplify the process of receiving, processing and formatting data from a web form.

  These scripting utilities are autiliable either commorcially, or as free were or shore were.
- \* A Col unterpreter stones information, such as bank of updates in databases. It also searches databases for products. For example, a Col interpreter will search for and locate a book or OVO at amazon. com.
- \* In addition a CGI interpreter sends processed information back to the end user. For Example, It can provide an end user with a new bank a/c balance or a confirmation that a book has been shipped.
- a web-server with a CGI script, a web form and elements necessary for a CGI servion
- \* A CGI scent resides on a webserver, web forms allow isers to optand information to their web servers. This information is then processed and acted ipon by the web server and CGI interpreter
- \* The web server and the CGI interpreter stone information in databases, search databases for required products and send processed information back to the end user,

- \* A basic scripts processes Web form data through
  name = value pairs and personng
  When a user submits the information, the
  prouser sends this information from the
  form to the webserver as a raw text-string.
  a name = value pair is the basic element of a
  raw text string
- \* The name attribute of Mcform? Element organizers unput information or values into name = value pours.

  For example, if you have entereed your name and emoil address, they form the values in the name = value pairs,

  The browser creates the raw text string based on name attribute values, such as Name',

  E-mad' or any suitable name values
- \* The Raw text string received by a server comprises name = value pairs seperated by ampersands (&)

  Spaces in the name = value pair are replaced by plus signs.

  For an empty form held, only the name attribute value of the name = value pair is retired to the rame = value pair is retired to the CGI script can now perse and format the name colored data string into human readable form

- Formail is an example of a CGI script. It receives information from a PERL interpreter , inputted from a webform, and sends it to you through email.

  It is available for free at Malt's Script Archive.com Because it is written in PERL, developers can obtain a free CGI interpreter from morry places, such as www-cpan.org
- A Most modern OSS support the PERL interpreter. The free, well written Formmail script. Combined with the powerful PERL afterpreter, is responsible for the popularly of Formmail.

  A developer can easily modify a kind portrous of the seript and customize Formmail to perform specific tasks
- \* After countoading the form mail Script, you need to install lead on four websenver. It is already installed on most servers. Thereofter, you must define the formmail variables so that the script is able to server information and send it to you.
- \* You need to provide the formmal or sommail
  . Pl script on your web server with
  executable permissions. You must then
  refer to the Formmail. pl script in your
  web form

I Now, you need to want for users to visit your website. You will receive the corresponding results through email messages. You need to check your email account for these results.

Wany organizations and businesses employ the Formmail script for profit through web based sales and for charitable carses.

Holder versions of bormail could be fooled into sending remail messages to anyone.
This frahme was employed by unscriptions individuals to generate span.

Some sysadmins use these older vorsions or improperly configure the newer formail serupt, leading to more spann you need to use the latest form Mail veision, which does not invite span.

Desides the original Peel Formmail script,
alternative versions of Form mail are
available. These include formail for
Active server Pages. (ASP) at
WWW-brainger. com/ FSP/ Formail
and for PHP
www.dtheatre.com/script/formmail.plp.