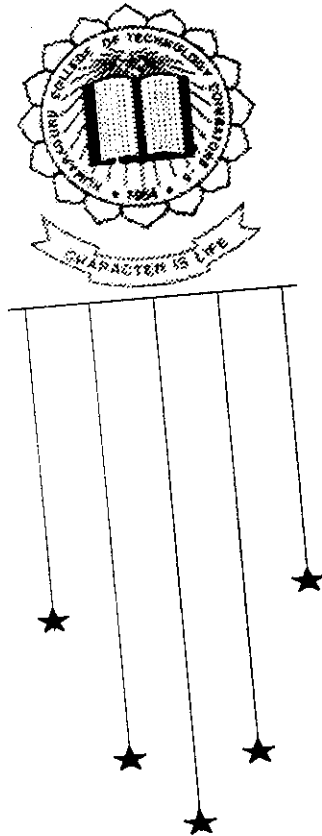# BUSINESS PROMOTION OVER THE INTERNET

P-547

PROJECT WORK

Submitted By

PRAKASH.A

RAJKUMAR.S

RAMASWAMY KAUSHIKH.N

Under the Guidance of

Mr. M.RAJU M.C.A, B.Ed.,

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF SCIENCES IN APPLIED SCIENCES – COMPUTER TECHNOLOGY

of the Bharathiar University, Coimbatore.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Kumaraguru College of Technology

Coimbatore - 641 006.

KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE - 641006

Department of Computer Science and Engineering

Certificate

This is to Certify that this Project Entitled

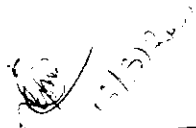## BUSINESS PROMOTION OVER THE INTERNET

has been submitted by

Mr.   PRAKASH . A

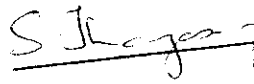in partial fulfillment of the requirements for the award of Degree of

Bachelor of Science Applied Science Computer Technology

of the Bharathiar University, Coimbatore - 641046

during the academic year 2000-2001

S JL...

(Head of Departm

(Guide)

Certified that the Candidate was Examined by us in the Project Work.

Viva-Voce Examination held on   15.03.200

University Register Number   982780145

(Internal Examiner)

(External E

Sri Gowrish CNC Private Limited

To Whom Ever It May Concern:

This is to certify that Mr. PRAKASH A & Mr. RAJ KUMAR &
Mr. RAMASWAMI KAUSHIKH has successfully created
a web site for our concern to promote our business through net.
This web site satisfies all our basic needs for promoting our
business globally.

For Gowrish CNC [P] Ltd.

S.BALAMURUGAN
Managing Director

NANA MEMORIAL CANCER AID TRUST

NMCAT — Arunodhaya, 2/(old 13), GoodshedRoad, Coimbatore - 641001.
PHONE : (0422) 393115, 394317

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the following students,

1. Prakash .A

2. Rajkumar .S

3. Ramaswamy Kaushikh. N

of final year had undertaken a project " a website - www.nanacancertrust.org " for our trust. Their co-operation and performance had been excellent.

Foun
NanaCancerTr

BUSINESS PROMOTION

OVER THE INTERNET

PREFACE

This project mainly aims at creating a highly interactive web domain with many advanced features like WAP enabled, Virtual Reality etc. Any organization or a company is in need for going to websites in order to increase their customers.

For this purpose a highly interactive websites like these gives the user the power to navigate at ease and at the same time have the feeling of look and feel. The virtual reality makes the user to move at free upto his satisfaction. Thus this would prove to be one of the best ways a customer's need could be catered.

This documentation has been written in simple language so that it can serve as a reference manual to other users. At the same time it will help the user to have a better understanding about the design principles and other special features included in this domain.

Acknowledgements

ACKNOWLEDGEMENT

An endeavor over a long period can be successful only with the advice and support and many well wishes. We take this opportunity to express our gratitude and appreciation to all of them.

We are bound to express our gratitude to **Dr. K.K. Padmanaban,B.Sc(Engg).,M.Tech.,Ph.D.,Principal,** Kumaraguru College of Technology, for his constant encouragement throughout our course.

We wish to thank **Dr.S.Thangaswamy,** B.E(HONS)., Ph.D., H.O.D of Computer Science Department for constantly encouraging us to pursue new goals and ideas.

We thank our course co-ordinator **Mr.S.Andrew,** M.Sc, PGDPM, Mphil., for guiding us throughout our project.

We admit our heartfelt thanks to our internal project guide **Mr. M. Raju,** M.C.A., B.Ed., and senior faculty member in computer science department for being supportive throughout the tenure of our project.

We owe much to **Mr.Balamurugan**, B.E., Managing Director,of Gowrish CNC Pvt. Ltd., for his inspiring advice, immense help, whole hearted support and constant encouragement throughout the tenure of this project work at their esteemed organization.

We express our gratitude to **Dr. Raghu**, M.D., of Nana Memorial Cancer Aid Trust for giving us a project in satisfying their needs.

We wish to thank all our friends and our family members who were showing their contributions in many subtle ways and indeed instrumental in achieving final results.

Dedication

Dedicated to

Our Beloved Parents

Friends and

All creative persons

Having a Flair for Multimedia

Contents

4 Testing

5 Bibliography

6 Appendix

6.1 Definition

6.2 Acronyms

6.3 Source Code

6.4 Screen Outputs

6.5 References

Synopsis

SYNOPSIS

The v4u domain is a highly interactive one and it basically consists of five different modules which includes:

www.nancancertrust.org

www.aphrodite.com

www.intelkids.com

www.gowrishcnc.com

www.oxemberg.com

The interactivity is the major part as the transfer of control to other sites or within the domain is based here. Here the user may navigate throughout the site in a random order according to his wish. Controls are provided using high-end graphics and in attractive manner. Automatic scrolling features are provided for textual contents and it is first of its kind in web design. To improve the effectiveness of the site we have included 3D Surround System and the user can turn off the music at any time he requires to do so.

The image locking features and water marking are of very much helpful to us inorder to possess the copyrights for them. This is also one of our revolutionary idea for increasing the number of visitors to our domain.

Virtual Reality used in www.oxemberg.com is a striking feature of this domain. In this the user can select any of the dresses available and wears it for the model available at on side of the screen. This gives the user the feeling of see and feel.

Other feature is that the domain features a mail server, which is very much useful to the visitors in reading their mails. This is used inorder to save the time spent by the user in accessing his mails of at various login names at different mail services.

Introduction

Introduction

Purpose

This project is directed to V4U technologies, which is an upcoming web solution provider for which this complete domain is built. The requirement is basically to promote business through Internet.

Scope

This project could improve the current business growth by 83% there by increasing the annual turnover. Our creative taught and new ideas in business strategies could also change the worldwide position of an organization.

About The Organization
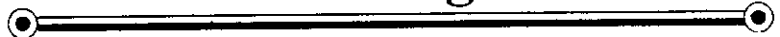
About the Organization

V4U was established in the year 2001 with the view of providing dynamic on-line multimedia. Since formation V4U has gained high recognition for its initiatives in setting new standards in interactive web design.

Being apart geographically but at the core of the World Wide Web V4U is located at Coimbatore and is well on its way to becoming a household name in the field of dynamic web development.

Motivated by a desire to be different, the team at V4U faces up to any challenge put forward by any other international competition and by capitalizing on its past success, V4U now set to venture forth at an accelerating pace in this ever-changing world of Internet.

Story Board Design

```
                TITLE ANIMATION


                   HOME PAGE


                WWW.V4U.COM


                              ABOUT US


                                NEWS



                              SERVICES


                              CONTACT
```
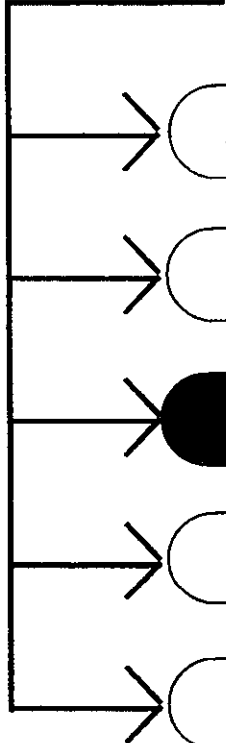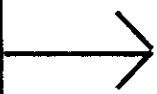
APHRODITE
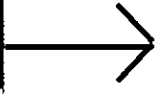
GOWRISH CNC

INTEL KIDS
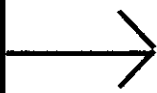
NANACANCERTRUST
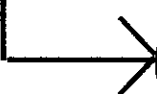
OXEMBERG

Overview

Overview

This brings out an overview of the technologies used for the creation of our domain.

1) Bottom - up

This technology enables the visitors to CD Site at a faster rate. The visitors need not wait for the entire web page to be down loaded. It is because that the bottom up technology allows the user to CD information's as and when it downloads.

2) Highly Dynamic

All the pages in the site are highly dynamic which means that the informations are provided as a gif like movie.

3) Water Marking

This technology allows the creators of the web page to own their rights for all the images that has been embedded inside the page.

4) 3D Surround Sound

The 3D surround sound enables one to hear flashy music that has been embedded within the pages. The sound quality is really high and its very live.

5) Lesser Network Traffic

Since the file size is less the web pages get downloaded quickely and all the processing is done on the client side and hence the net work trafic is reduced drastically.

6) Highly Interactive

The pages in the site are provided with attractive buttons which makes the interactiveness in a highly user friendly one.

7) Plugin Based

This is one of the most current technologies in the field of web development. The plug-in is a small soft ware which has high usage, used in order to increase the browser capability and allow the users to see shock wave movies embedded in web pages.

SRS

General Description

Product Functions

Our project is a Web Base project where we design dynamic web pages. We also make use of Business strategies and on-line marketing techniques to promote business. Our project consists of the following modules.

1) **www.nanacancertrust.org**

This is a information based site where information about cancer can be obtained. This site contains features like image compression, watermarking and image locking. The project was done under the guidance of Dr. K. Raghu M.D Hematologist who gave us the valuable information about cancer along with lively images.

2) **www.gowrishcnc.com**

This is a BtoB site. Gowrish CNC Pvt Ltd. is a company that manufactures machinery tools that are being exported to U.K. and U.S. The concepts of EDI is being

implemented to transact business between the company and its client using the internet. The company accepts on-line orders and processes them and delivers goods.

3) www.oxemberg.com

This is a BtoC site. Here people can browse this site and look into the products, virtually fell them and then order them. We are making use of a credit system where the user has to register on-line to obtain a card using which he can purchase any Oxember product. The card will contain details like name of the person and the card no. This card will be delivered to the customer at their door and a basic deposit amount will be collected .

4) www.intelkids.com

This is educational site where kids below the age of 7 years will be benefited. We have conceived the concept of e-learning using 3D surrounds sound and animations. This entire project is designed with the help of

teachers who have a great experience in handling kids. The site delivers a very interactive and easier method for the kid to learn.

5) www.aphrodite.com

This is a women based site where you can find information on the latest happenings in the femine world. It includes details like problems faced by women, fashion cosmetics, Recipes etc. The site is designed with the help of our friends.

Software Used

Software's Used

Adobe Illustrator version 8.0

The software Adobe Illustrator, which is a drawing packages excels as an art production and illustration tool whether it's a graphic designer creating original or composite artwork, a production artist designing and producing layouts for documents, an illustrator creating and previewing fine artwork, or a service bureau or printer creating color separations and printing final artwork. Thus we have used this software to design all the necessary 2D Logos.

Adobe PhotoShop Version 5.5

PhotoShop is truly magical... To some it's a mere philosophy than a mere – Image Editing Program. Its inherent powers can remove imperfections from an image, and in most cases, make it look better than real life. Its retouching tools can frequently compensate for an imperfect weather, imperfect setting or an imperfect face. Hence we

have used PhotoShop to design the buttons, and give special coloring effects. Apart from this we have used it to remove imperfections in certain pictures and to design all the backgrounds was used.

Flash

Flash is the standard for interactive vector graphics and animations for the web. It is used to create beautiful, resizable and extremely compact navigation, technical illustrations and other dazzling effects for their site. In flash you can anti-alias and scale graphics and animation based on the viewer's screen size, providing high-quality viewing Flash has advanced web animation with exciting transparences and shade blending effects. You can create sophisticated interactivity without scripting by using new movie clips and button actions.

Java Mail API

The JavaMail API is designed to make adding electronic mail capability to simple applications easy, while also supporting the creation of sophisticated user interfaces.

It includes appropriate convenience classes which encapsulate common mail functions and protocols. It fits with other packages for the Java platform in order to facilitate its use with other Java APIs, and it uses familiar programming models.

The JavaMail API is therefore designed to satisfy the following development and runtime requirements:

■ Simple, straightforward class design is easy for a developer to learn and implement.

■ Use of familiar concepts and programming models support code development that interfaces well with other Java APIs.

■ Uses familiar exception-handling and JDK 1.1 event-handling programming models.

■ Uses features from the JavaBeans Activation Framework (JAF) to handle access to data based on data-type and to facilitate the

addition of data types and commands on those data types. The JavaMail API provides convenience functions to simplify these coding tasks.

■ Lightweight classes and interfaces make it easy to add basic mail-handling tasks to any application.

■ Supports the development of robust mail-enabled applications, that can handle a variety of complex mail message formats, data types, and access and transport protocols.

The JavaMail API draws heavily from IMAP, MAPI, CMC, c-client and other messaging system APIs: many of the concepts present in these other systems are also present in the JavaMail API. It is simpler to use because it uses features of the Java programming language not available to these other APIs, and because it uses the Java programming language's object model to shelter applications from implementation complexity.

The JavaMail API design is driven by the needs of the applications it supports—but it is also important to consider the needs of API implementors. It is critically important to enable

the implementation of messaging systems written using the Java programming language that interoperate with existing messaging systems—especially Internet mail. It is also important to anticipate the development of new messaging systems. The JavaMail API conforms to current standards while not being so constrained by current standards that it stifles future innovation.

The JavaMail API supports many different messaging system implementations—different message stores, different message formats, and different message transports.

The JavaMail API provides a set of base classes and interfaces that define the API for client applications. Many simple applications will only need to interact with the messaging system through these base classes and interfaces.

JavaMail subclasses can expose additional messaging system features. For instance, the MimeMessage subclass exposes and implements common characteristics of an Internet mail message, as defined by RFC822 and MIME standards. Developers can subclass JavaMail classes to provide the

implementations of particular messaging systems, such as IMAP4, POP3, and SMTP.

The base JavaMail classes include many convenience APIs that simplify use of the API, but don't add any functionality. The implementation subclasses are not required to implement those convenience methods. The implementation subclasses must implement only the core classes and methods that provide functionality required for the implementation.

Alternately, a messaging system can choose to implement all of the JavaMail API directly, allowing it to take advantage of performance optimizations, perhaps through use of batched protocol requests. The IMAP4 protocol implementation takes advantage of this approach.

The JavaMail API uses the Java programming language to good effect to strike a balance between simplicity and sophistication. Simple tasks are easy, and sophisticated functionality is possible.

Mail-enabled Application

Java Bean - used to interact and
display message content

JavaMail
API

JavaMail
Abstract Class Layer

Internet Mail
Implementation Class Layer

IMAP / POP3 / NNTP implementation Layer
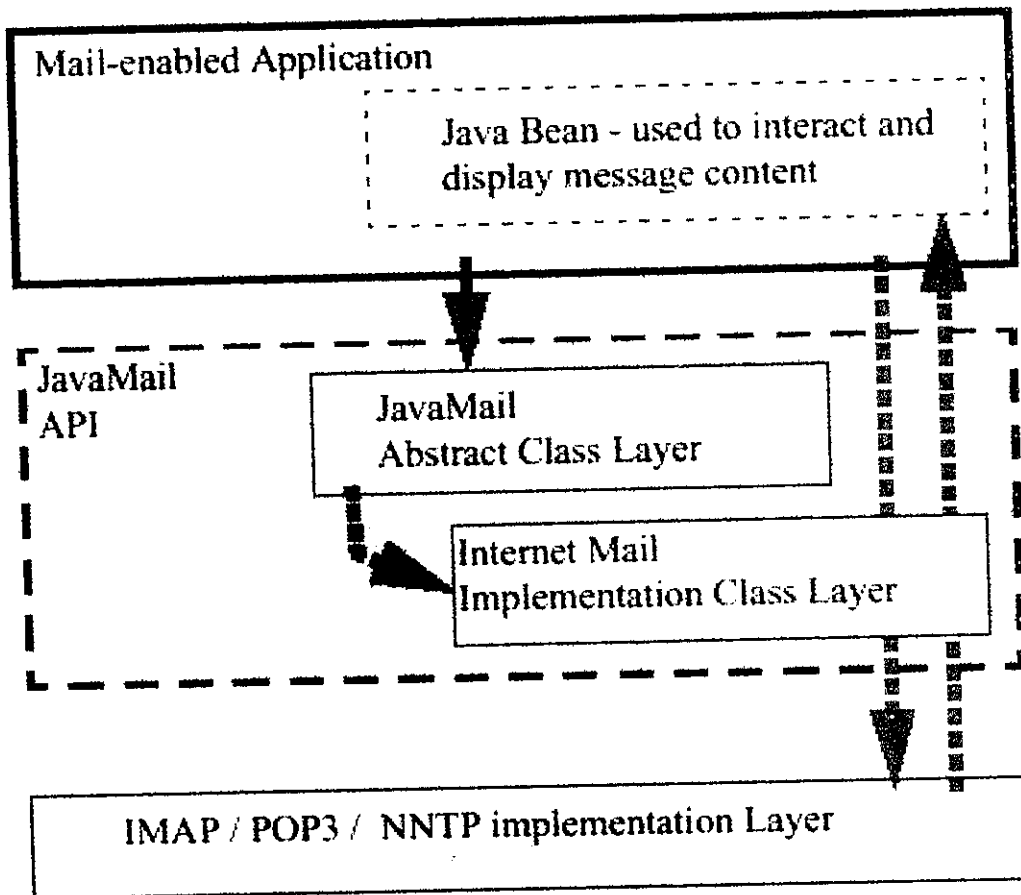
JavaMail Layered Architecture
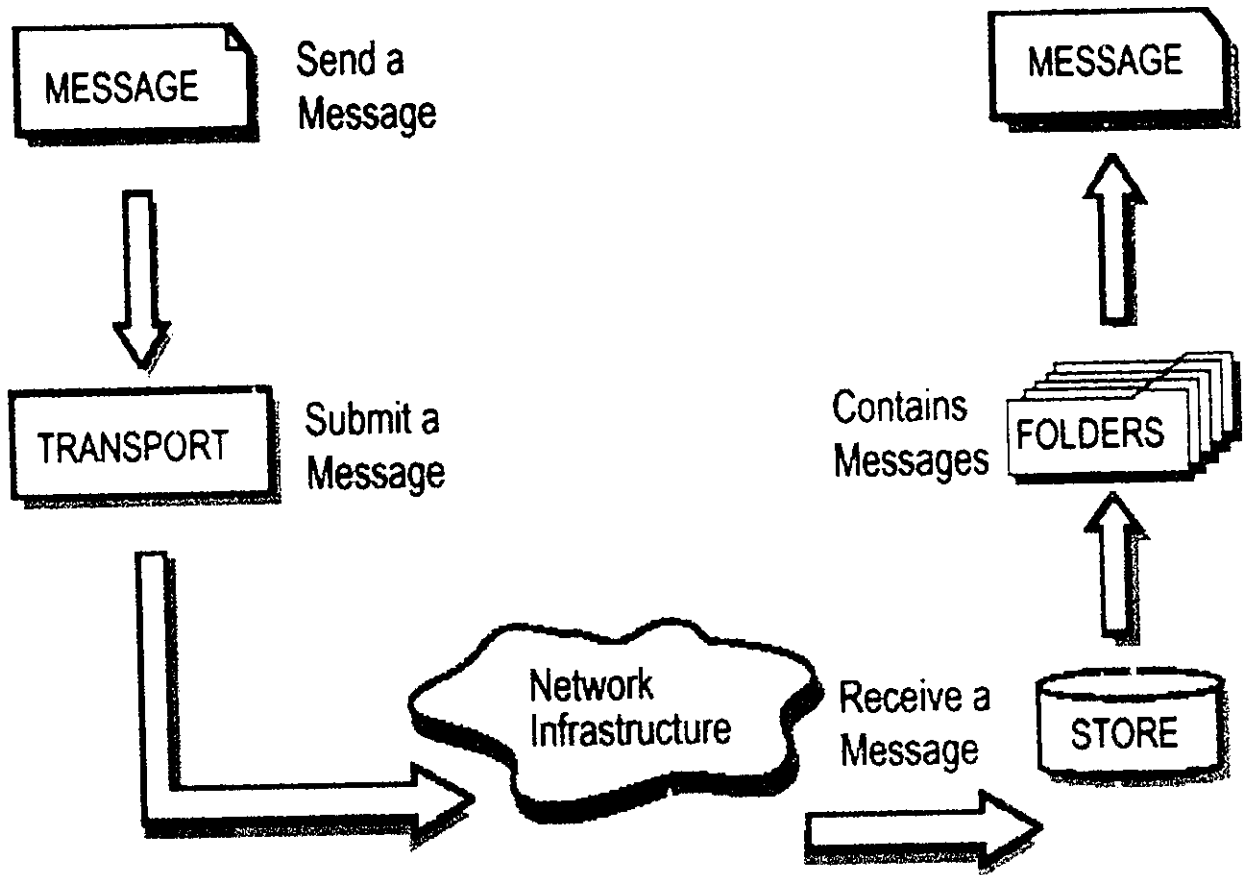
This figure illustrates the JavaMail message-handling process.

Macromedia Sound Edit 16 version 2.0:

A relatively hidden, but nevertheless one of the most important aspects of any multimedia application that strivers to be truly state of the art. Sound hence we have used it to select several audio tracks and then edit it. It has been effectively used to amplify the sound and increase its quality to produce a stereophonic effect It has been used in a continuous loop so as to play throughout the presentation effectively.

Specific Requirements

Functional Requirements

Specific Requirement

Functional Requirement

Introduction

The inputs are normally entered into the forms that are available in various modules

List of Inputs

1. Oxemberg – registration & purchasing inputs

2. wap – size & selection of colour, pattern and category

3. aphoridite – registration & feedback

4. gowrishcnc – order placing

Information Processing Required

The information that are entered in the form field has to be validiated and then store in the data bases

Performance Requirements

Performance Requirement

Security

The web site designed by us is highly secured. The EDI's are all highly protected from unauthorized users. Contents provided in the site are highly safe and as its own copyrights. The image provided in the site are locked and also watermarked. Hence, not providing a small way to pirate them. This is very much helpful in increasing more visitors.

Availability

JSP

A JSP page is a text-based document that describes hoe to process a request to create a response. JSP is a Java-based technology that simplifies the process of developing dynamic web sites. With JSP, web designers and developers can quickly incorporate dynamic elements into web pages using embedded Java and simple markup tags.

These tags provide the HTML designer with a way to access data and business logic stored inside Java objects.

Java Server Pages are text files with the extension .jsp, which take place of traditional HTML pages. JSP files contain traditional HTML along with embedded code that allows the developer to access data from the Java code running on the server.

Dynamic Content Technologies

For the simplest web requests, a browser request an HTML document, and the Web server finds the corresponding file and returns it. Dynamic web content, then, requires that the web server do some additional processing of the corresponding request in order to generate a customized response. In addition to the URL of the request, the form of this customized response might be based on the date and time, the location on the network from which the request was made, or on some representation of the identity of the user making the

request. Indeed, the exact details of the response might depend upon a combination of some or all of these factors.

JSP and Java 2 Enterprise Edition

JSP is now an integral part of developing web-based applications using Java. Because of its ability to separate presentation from implementation logic by combining standard markup text with scripting elements and object-oriented components, JSP provides an excellent front-end technology for applications that are deployed over the web.

Java platform editions

Java 2 software platform would be split into three editions aimed at different categories of hardware deployment platforms. The traditional Java Runtime Environment, or JRE, which contains all of the core classes in the formal languages specification has been renamed the Java 2 standard Edition, or J2SE. The J2SE is targeted toward traditional desktop computing platforms, such as

Microsoft Windows and Apple Macintosh personal computers.

Application Model

JSP pages can be used in combination with Servlets, HTTP, HTML, XML, Applets, JavaBeans components and Enterprise JavaBeans components to implement a broad variety of application architecture's or models.

To facilitate web-based applications, both servlets and JSP are required elements of the J2EE specification. And while both technologies can be used to dynamically generate HTML to be sent to an end user's web browser, only JSP enforces a strong separation between the presentation logic involved in displaying data and the business or programming logic used to generate data in the first place. This independence leads to much more robust applications, since changes to one part of the application generally do not require changes to other parts. Specifically, when using JSP, changes to the presentation of the data do

not require any changes to the underlying server code that supplied data in the first place.

Advantages of JSP

JSP offers several benefits as a system for dynamic content generation. As a Java-based technology, it enjoys all of the advantages that the Java language provides with respect to development and deployment. As an object-oriented language with strong typing, encapsulation, exception handling, and automatic memory management, use of Java leads to increase programmer productivity and more robust code. Because compiled Java bytecode is portable across all platforms, operating system, or several software.

- Write Once, Run Anywhere properties
- High quality tool support
- Reuse of components and tag libraries
- Separation of dynamic and static content

- Support for scripting and actions

- Web access layer for N-tier enterprise application architecture

Java Script

JavaScript was originally developed by Netscape to add basic scripting facility to both Navigator and its Web-Server line of products. JavaScript supports both web browser and server scripting. Browser scripts are used to create dynamic web pages that are more interactive, more responsive, and more tightly integrated with Plug-ins, Active-X components and Java applets. JavaScript supports these features by providing special programming capabilities such as the ability to dynamically generate HTML, and to define custom handling functions.

JavaScript scripts are included in HTML documents via the <SCRIPT> tag. When a Java script capable browser loads a HTML document containing scripts, it evaluates the

script as they are encountered. The scripts may be used to create HTML elements that are added to the display document or to define functions called event handlers, that respond to user action, such as mouse clicks and keyboard entries. Scripts may also be used to control Plig-ins, Active-X components, Java Applet.

Microsoft implemented Jscript with its Internet Explorer 3. The Scripting capability of IE3 is roughly equivalent to Navigator 2. Netscape also supported server side scripting with its LiveWire and LiveWire Pro. On the server side, JavaScript is used to more easily develop scripts that process from data, perform database search and implement custom web applications. Server side scripts are more tightly integrated with web server than CGI programs.

JavaScript is a script based programming language that supports the development of both client and server component of web based application. On the client side, it

can be used to write programs that are executed by a web browser within the context of web page. On the server side, it can be used to write web server programs that can process information submitted by a web browser and then update the browser's display accordingly.

JavaScript's event handling capabilities provide greater control over the user interface than HTML programming. For example, when a user submits a HTML form, the browser which is not JavaScript enabled, handles the "submit form" event by sending the form data to a CGI program for further processing. The CGI program processes the form data and returns the results to the web browser, which displays the results to the user. On the other hand, JavaScript event handling function maybe called to process the form data when using a browser, which implements JavaScript. In other words, JavaScript's event handling capabilities allow the browser to perform some if not all of form processing.

Event Handling With JavaScript

Events are the mechanism by which browsers respond to user actions. Events describe the actions that occur as a result of user interaction with a web page or other browser related activities. For example, when a user clicks a hyperlink or a button, an event is generated informing the browser that an action has occurred and that further processing is required. The browser awaits for events to occur and when they do, it performs whatever processing is assigned to those events to occur. This is called as event handling. The code that performs this processing is called as an event Handler.

WAP

WML is an XML language and so it inherits the XML document character set. The basic unit of WML is the *car*d, which specifies a single interaction between the user agent and the user. Cards are grouped together into *deck*s. A deck is the smallest unit of WML that a web server

can send to a user agent. When a user agent receives a deck, it typically activates the first card in the deck, though it can be directed to any particular card in the deck.

WML is a case-sensitive language, that is, *Speed* and *speed* are different entities. WML also converts one or more contiguous new lines, carriage returns, tabs and spaces to a single space. To make the examples contained here easier to follow, we have formatted them with new lines and tabs. However, note that this formatting is not required for WML to be valid. WML inherits most of its syntactic constructs from XML.

Servlets

A servlet can be thought of as a server side applet. Services are loaded and executed by a web server in the same manner that applets are loaded and executed by a web browser, a servtet accepts requests from a client (via the Web server), performs some task, and returns the results.

The following list describes the basic flow when using servlets.

The web server receives the request and forwards it to the servlet. If the servlet has not yet been loaded, the web server will load it into the Java virtual machine and execute it. The servlet will receive the HTTP request and perform some type of process. The servlet will return a response back to the web server. The web server will forward the response to the client.

Because the servlet is executing on the server, the security issues usually associated with applets do not apply. This opens up a tremendous number of opportunities that are not possible, or atleast are very difficult, when working with applets. Communicating with legacy systems viz CORBA, RMT sockets and native calls are just a few examples. Also keep in mind that the web browser does not communicate directly with a servlet, the servlet is

loaded and executed by the web server. This means that if your web server is secure behind a firewall, then your servlet is secure as well.

In their most basic form, servlets are a great replacements for common gateway interface (CGI) scripts, CGI scripts are typically written in Perl or C and are usually tied to a particular server platform. Since servlets are written in Java, they are immediately platform independent, Java promise of write once, run anywhere can now be released on the server as well servlets have other distinct advantages over CGI scripts.

Servlets are persistent. Servlets are loaded only once by the web server and can maintain services (such as a database connection) between requests CGI scripts, on the other hand, are transient. Each time a request is made to a CGI script, it must be loaded and executed by the web server. When the CGI script is complete, it is removed from memory and the results are returned to the client. All

program initialization (such as connecting to a database) must be repeated each time a CGI script is used.

Servlets are fast Since servlets only need to be loaded once, they offer much better performance over their CGI counterparts, Servlets are platform independent. As mentioned before, servlets are written in Java, which inherently brings platform independence to your development efforts.

Servlets are extensible. Since servlets are written in Java, this brings all of the other benefits of Java to your servlet. Java is a robust; object oriented programming language, which easily can be extended to suit your needs.

Servlets are secure. The only way to invoke a servlet from the outside world is through a web server. This brings a high level of security, especially if your web server is protected behind a fire wall.

The number of ways to use servlets is limited only by your imagination. If you think about all of the services available on the server that you have access to such as

database servers and legacy systems, the possibilities are virtually endless.

Capacity

The server has high withstanding capacity and hence its allows multiple user with multiple areas to access the database.

Response Time

The site has high response time and the user need not wait for a long time. For a particular action of his is to performed. All the processing is done on the client side itself thus enabling high speed and good response time. This is done with the help of cookies implementation and certain script languages.

Design Constraints

Design constraints

Hardware limitation

Pentium II 255 MHz or higher

32 MB Ram or higher

4 GB Harddisk or higher

SVGA Monitor

Mouse

Operating Systems

Compatible with any operating system and tested under

- MAC OS 8.0

- WINDOWS 98

- WINDOWS 2000

- WINDOWS NT4.0

- LINUX 7.0

External Interface Requirement

The user is required to have an external speaker for enjoying the 3D surrounds, which is provided in certain sites. This is provided for user attraction only and this is an optional one.

Database Used

We created and used 3 tables in our projects. The table description is given below.

Table 1:

Sl.no	Field name	Data Type
1	CName	Text
2	Address	Text
3	Name	Text
4	Designation	Text
5	Email	Text
6	Phone	Number(10)
7	Mobile	Number(14)
8	Order	Text

Table 2:

Sl.no	Field name	Data Type
1	First Name	Text
2	Last Name	Text
3	Sex	Text
4	Address	Text
5	Pincode	Number(10)
6	Phone	Number(10)
7	CName	Text
8	CAddress	Text
9	Cphone	Number(10)
10	Designation	Text
11	Annual Income	Number(10)

Table 3:

Sl.no	Field name	Data Type
1	Name	Text
2	Address	Text
3	Sex	Text
4	Comments	Text
5	Email	Text
6	Phone	Number(10)

Other Requirements

Operations Required by the user

The user as to type the web address provided by us in order to visit our site. He may turn on or off the sound control. He has to click on the correct buttons to go to the required pages. He has to provide the exact user name and password if he is an authenticated user.

TESTING

We have tested our sites under various platforms with different

system configurations. The sites are found to be working

excellent under our test environments. The server

(www.srivari.net) had satisfied all the requirements and it is

found to be very supportive and the server also has high

withstanding power.

Bibliography

Books

Inside Adobe Photoshop 5.5

- Gary David Bouton and Barbara Bouton

Web Publishing Unleashed

- William.R.Stanek

Java Servelets Second Edition

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Java Complete Reference

Web Sites

www.java.sun.com

www.webcrawler.com

http://rs.internic.net

www.lycos.com

www.webreferences.com

www.flashkit.com

www.macromedia.com

Definitions

Multimedia Application:

A Multimedia application is a program or a presentation which makes use of multiple elements ie many media, viz graphics, text, sound, animation, digital video etc. It may not necessarily use all these elements. It either conveys information to the user or is a medium of entertainment, like say a game or an electronic magazine. A good multimedia application is one, which provides the user/audience, an exciting (learning) experience in a multisensory environment. Sometimes, it provides the user with the capability to interact with the program itself. Sometimes, it also allows the user to interact with other software or communications technologies, like, for eg, the Internet, to gather or process information.

Web Masters

Project Managers who are responsible for multimedia projects that will be put up on the web are called Web

Masters. Their role is similar to that of the Project Managers, except that they are expected to know a lot more technical details as well. For eg., they should have sound knowledge about web servers, various protocols such as the file transfer protocol (ftp), the hyper text transfer protocol (http), TCP-IP (Transmission Control Protocol, Internet Protocol) etc They should also be comfortable with CGI (Computer Gateway Interface) and HTML (Hyper Text Markup Language) coding and have sound knowledge about graphic, animation and video file formats most commonly used for multimedia applications that are intended for the web. Speaking of non-technical skills, a web master should have excellent communication skills. This is important because he would have to know what exactly his client needs to communicate via his site. Also, sound communication skills would enable the web master to explain the requirements of the client, to his team.. He should also know how to use the Internet as an effective marketing and promotion tool an should be aware of all

strategies pertaining to marketing and promoting a product, service or idea on the net.

Web Server

The Web server is a program that is located on a machine on the Internet. It waits for a web browser to connect to it and then make a request. Once there is a request, the server locates and sends the file back to the browser. Web servers and browsers communicate using a language called HyperText Transfer Protocol (HTTP) which is specifically created for transferring hypertext documents across the web. Thus Web servers are very often called HTTPD servers.

Commercial Web Service

You have to pay for your access to the net through a commercial online service or through any of the Internet service provider. It is also possible to publish your web pages on their Web server. You will have to ask the

Internet provider as to how they have set up Web publishing

FTP

FTP is an acronym for "file transfer protocol" a set of programs and guidelines that let you transfer files between different computers on the Internet. You can use an FTP client to retrieve a document that contains a list of online databases, get some shareware for your computer, or save some graphics to your home page directory.

Shockwave

Shockwave is a utility/plug-in/application/software that enables us to plug Director's playback capabilities into a Web Browser. Simply put, it means, that it allows the user to play Director movies on the Internet. Web pages that contain Director movies are known as shocked web pages.

that includes the text of the documents, its structure, and any links to other documents, images and other media.

Internet Service Provider (ISP)

An Internet Service Provider (ISP) maintains the server where you send requests as well as spare for storing your own web pages. Your own computer can be a Web server if it has the proper software and a direct connection to the INTERNET.

Uniform Resource Locator (URL)

A URL is a pointer to some piece of information or data on the Internet. When someone tells you to point your browser at a particular location on the Web, he or she will give you a URL/address that indicates where you are pointing.

The URL provides a universal, consistent method for finding and accessing information for the Web Browser.

Modem

A Modem is one of the most important devices, which determines how fast or slow your Internet connection will be, so it is always wise to get the best modem possible. This is a device used for connecting a computer to the phone line. It translates the computer/s language to that of the phone and also the other way round. Modem stands for Modulator/Demodulator.

Search Engine

A search engine is like a computerized telephone directory, dictionary and encyclopedia all rolled into one. It is basically, software that maintains a computerized list of web sites classified on the basis of categories. When it is asked to search for a particular word, it compares that world to the list it has and displays the matching results to the user.

TCP/IP

Because the Internet is a packet switched network, data can arrive out of order, got lost, and so on. The TCP/IP network protocol deals with these problems (TCP-Transmission control Protocol and IP-Internet protocol) TCP does exactly what its name indicates, it controls the transmission of data. TCP would be read so that the data packet could be routed to the appropriate destination.

GIF

The format was developed as a cross-platform graphic, standard and is supported by all graphical Internet browsers. GIF supports up to 8-bit colour. (256 colors), and you can store custom palettes with your image. Usually, simple vector files look better when converted GIF if they contain hard outlines or small text objects.

JPEG

This format was developed as a compressor scheme especially for computer graphics. JPEG supports upto 32-bit colour (16.7 million colors), and is an excellent option for photographs and scanned images. JPEG files support loosely compressed providing high-quality images with a high level of compression. You can choose the display quality from high quality to very low-quality reproductions. The higher the image quality, the larger the files size. JPEG images do require some time to decompress when displaying on screen but can be displayed progressively.

Client side scripting

HTTP and the Common Gateway Interface (CGI) allow for server – side processing of data to be sent to the client side (browser) as well as for processing data sent from the client. If you think about this, every time we want to do any client – side activities to respond to the user.

Acronyms

JSP: Java Server Page

XML: Extended Markup language

HTML: Hyper Text Markup language

WML: Wireless Markup language

HTTP: Hyper Text Markup language

SMTP: Simple Mail Transfer Protocol

POP: Post Office Protocol

SWF: Shock Wave File

GIF: Graphic Interchange Format

TIFF: Tagged image File Format

BMP: Bit Mapped Format

WWW: World wide Web

ISP: Internet Service Provider

URL: Uniform Resource Locator

JRE: Java Runtime Environment

J2SE: Java 2 Standard Edition

API: Application Programmable Interface

JAF: JavaBeans Activation Framework

HTML Code for v4u.com

```
<html>
<head>
<title>
Glaciers active media
</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-
1"></head>
<frameset rows="100%,*" framespacing="0" frameborder="no"
border="0">
 <frame SRC="project.html" NAME="main" frameborder="0" border="no"
marginwidth="0" marginheight="0" scrolling="no">
 <frame SRC="blank.htm" NAME="unten" frameborder="0" border="no"
marginwidth="0" marginheight="0" scrolling="no">
</frameset>
<noframes>
</noframes>
</html>


<HTML>
<HEAD>
<TITLE>Project</TITLE>
</HEAD>
<BODY bgcolor="#000000">
<OBJECT classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://active.macromedia.com/flash2/cabs/swflash.cab#version=
4,0,0,0" ID=Project WIDTH=800 HEIGHT=420>
 <PARAM NAME=movie VALUE="Project.swf">
<PARAM NAME=loop VALUE=false> <PARAM NAME=menu
VALUE=false>
<PARAM NAME=quality VALUE=high> <PARAM NAME=bgcolor
VALUE=#000000>
<EMBED src="Project.swf" loop=false menu=false quality=high
bgcolor=#000000  WIDTH=780 HEIGHT=420 TYPE="application/x-
shockwave-flash"
PLUGINSPAGE="http://www.macromedia.com/shockwave/download/inde
x.cgi?P1_Prod_Version=ShockwaveFlash">
</EMBED>
</OBJECT>
</BODY>
</HTML>
```

Flash Script

Initialization and Locking the mouse to the Center

Start Drag ("/mouse", L=1, T=1, R=780, B=420, lockcenter)

To Exit

FS Command ("quit", "")
Get URL ("javascript:self.close()", window="_top")

Text Scrolling in Button

```
On (Roll Over)
    Begin Tell Target ("mov")
        Go to Next Frame
    End Tell Target
    Go to and Play (1)
End On

On (Roll Over)
    Begin Tell Target ("mov")
        Go to Previous Frame
    End
    Begin Tell Target ("mov")
        Go to Previous Frame
    End Tell Target
    Go to and Play (2)
End On
```

Text Scrolling in Frame

```
On (Roll Over)
    Begin Tell Target ("mov")
        Go to Next Frame
    End Tell Target
    Go to and Play (2)
End On
```

Menu movement and Speed with Respect to Mouse

Set Variable: "gain" = "0.15"
Comment: ***speed of /barre_menu
Set Variable: "mouse_posX" = GetProperty ("/mouse", _x)
Set Variable: "speed_factor" = 60 * (mouse_posX - 275) / 275
Set Property ("/barre_menu1", X Position) = GetProperty ("/barre_menu1",
_x) + 10 * (speed_factor / 100)
Comment: *** move /barre_menu1 from one side of screen to the other
If ((GetProperty ("/barre_menu1", _x) < -250) and (speed_factor < 0))
Set Property ("/barre_menu1", X Position) = GetProperty ("/barre_menu1",
_x) + (2 * 500)
Else If ((GetProperty ("/barre_menu1", _x) > 750) and (speed_factor > 0))
        Set Property ("/barre_menu1", X Position) = GetProperty
("/barre_menu1", _x) - (2 * 500)
End If
Comment: *** put barre_menu2 left or right of barre_menu1
If (GetProperty ("/barre_menu1", _x) <250)
        Set Property ("/barre_menu2", X Position) = GetProperty
("/barre_menu1", _x)+500
Else
        Set Property ("/barre_menu2", X Position) = GetProperty
("/barre_menu1", _x)-500
End If
Comment: *** Set a variable position opposite to the mouse but limited to
the width of the visible menu bar
If (mouse_posX < 115.5)
        Set Variable: "trailer" = 463.4
Else If (mouse_posX > 463.4)
        Set Variable: "trailer" = 115.5
Else
        Set Variable: "trailer" = 115.5 + (463.4 - mouse_posX)
End If
Comment: *** Smooth the trail of triangle
Set Variable: "triangle_speed" = (trailer - GetProperty ("/triangle", _x)) *
gain
Set Property ("/triangle", X Position) = GetProperty ("/triangle", _x) +
triangle_speed
Go to and Play ("start") Tell Target
        Go to and Play (1)
End On

Servlet Code for Mailing System

```java
import mailserver.SimpleMailUser;
import javax.servlet.*;
import javax.servlet.http.*;
import javax.mail.*;
import javax.mail.internet.*;
import javax.activation.*;

public class mailread extends HttpServlet
{
  public static String MAIL_USER = "mailread.user";

  public static String FORM_TITLE = "V4U Mail Reader";
  public static String FORM_TRANSPORT = "transport";
  public static String FORM_TRANSPORTHOST = "transportHost";
  public static String FORM_STORE = "store";
  public static String FORM_STOREHOST = "storeHost";
  public static String FORM_USER = "user";
  public static String FORM_PASSWORD = "password";
  public static String FORM_ACTION = "action";
  public static String FORM_MSG = "msg";
  public static String FORM_PART = "part";
  public static String FORM_FROM = "from";
  public static String FORM_TO = "to";
  public static String FORM_CC = "cc";
  public static String FORM_SUBJECT = "subject";
  public static String ACTION_LOGIN = "Login";
  public static String ACTION_LOGOFF = "Logoff";
  public static String ACTION_VIEW = "View";
  public static String ACTION_WRITE = "New Message";
  public static String ACTION_SEND = "Send";
    public void doGet(HttpServletRequest req,
               HttpServletResponse resp)
  throws ServletException, java.io.IOException {
      HttpSession session = req.getSession(true);
SimpleMailUser mailUser =
      (SimpleMailUser) session.getValue(MAIL_USER);
if (mailUser == null) {
      mailUser = new SimpleMailUser();
      session.putValue(MAIL_USER, mailUser);
    }
if (!mailUser.isLoggedIn()) {
```

```java
    createLoginForm(req, resp, mailUser);
    }
    else {
      String action = req.getParameter(FORM_ACTION);
          if (ACTION_VIEW.equals(action)) {
String s = req.getParameter(FORM_MSG);
          int msg = 0;
          try {
            msg = Integer.parseInt(s);
          }
          catch (Exception ex) {
              }
          s = req.getParameter(FORM_PART);
          int part = -1;
          try {
            part = Integer.parseInt(s);
          }
          catch (Exception ex) {
              }
          if (part == -1) {
            showMessage(req, resp, mailUser, msg);
          }
          else {
            showPart(req, resp, mailUser, msg, part);
          }
        }
        else {
          showInbox(req, resp, mailUser);
        }
      }
        }

  public void doPost(HttpServletRequest req,
              HttpServletResponse resp)
    throws ServletException, java.io.IOException
    {
        HttpSession session = req.getSession(true);
          SimpleMailUser mailUser =
        (SimpleMailUser) session.getValue(MAIL_USER);
if (mailUser == null) {
        createErrorPage(req, resp, "Invalid session", null);
        return;
      }
```

```java
        String action = req.getParameter(FORM_ACTION);
        if (ACTION_LOGIN.equals(action)) {
                login(req, resp, mailUser);


    }
      else if (ACTION_LOGOFF.equals(action)) {
        mailUser.close();
        createLoginForm(req, resp, mailUser);
      }
      else if (ACTION_WRITE.equals(action)) {

        createWriteForm(req, resp, mailUser);
      }
      else if (ACTION_SEND.equals(action)) {
sendMessage(req, resp, mailUser);
      }


    }


        public void login(HttpServletRequest req,
                    HttpServletResponse resp,
                    SimpleMailUser mailUser)
        throws ServletException, java.io.IOException
        {
          String transport = req.getParameter(FORM_TRANSPORT);
          String transportHost = req.getParameter(FORM_TRANSPORTHOST);
          String store = req.getParameter(FORM_STORE);
          String storeHost = req.getParameter(FORM_STOREHOST);
          String user = req.getParameter(FORM_USER);
          String password = req.getParameter(FORM_PASSWORD);


          try {
            mailUser.login(store, storeHost,
                    transport, transportHost,
                    user, password);
          }
          catch (MessagingException ex) {
            createErrorPage(req, resp, "Unable to login", ex);
            return;
          }

          showInbox(req, resp, mailUser);
        }
```

```java
public void showInbox(HttpServletRequest req,
                      HttpServletResponse resp,
                      SimpleMailUser mailUser)


throws ServletException, java.io.IOException
{

    resp.setContentType("text/html");


    java.io.PrintWriter out = resp.getWriter();

    resp.setHeader("Expires", "Tues, 01 Jan 1980 00:00:00 GMT");

    String uri = req.getRequestURI();
out.println("<html>");
    out.println("<head>");
    out.println("<title>" + FORM_TITLE + "</title>");
    out.println("<body bgcolor=black text=red><center><h2>");
    out.println("INBOX for " + mailUser.getUser() +
            " using " + mailUser.getStoreProtocol() +
            " on host " + mailUser.getStoreHost());
    out.println("</h2>");

    try {

        Folder inbox = mailUser.getInbox();
    int n = inbox.getMessageCount();
    Message[] msgs = inbox.getMessages();
    out.println("Total number of messages: " + n + "<br>");
    out.println("<form action=\"" + uri + "\" METHOD=\"POST\">");
        out.println("<input type=submit name=" +
                FORM_ACTION + " value=\"" +
                ACTION_LOGOFF + "\">");
        out.println("<input type=submit name=" +
                FORM_ACTION + " value=\"" +
                ACTION_WRITE + "\">");
    out.println("</form>");
     out.println("<table border>");
    out.println("<tr><th></th>");
    out.println("<th>From</th>");
    out.println("<th>Sent</th>");
    out.println("<th>Subject</th></tr>");
```

```java
for (int i = 0; i < n; i++) {
  Message m = msgs[i];
  if (m.isSet(Flags.Flag.DELETED)) {
    continue;
  }
  out.println("<tr>");
  out.println("<td><a href=\"" +


  uri + "?" + FORM_ACTION + "=" +
        ACTION_VIEW + "&" + FORM_MSG + "=" + i +
        "\">" + ACTION_VIEW + "</a>");
        Address from[] = m.getFrom();
  Address addr = null;
  if ((from != null) && (from.length > 0)) {
    addr = from[0];
  }
  out.println("<td>" + getAddress(addr) + "</td>");
  java.util.Date date = m.getSentDate();
  String s = "";
  if (date != null) {
    s = "" + date;
  }
  out.println("<td>" + s + "</td>");

  s = m.getSubject();
  if (s == null) {
    s = "";
  }
  out.println("<td>" + s + "</td>");
        out.println("</tr>");
  }
        out.println("</table>");
}
catch (MessagingException ex) {
  out.println("<br>");
  out.println("ERROR: " + ex.getMessage());
}
 out.println("</center>");
 out.println("</body>");
 out.println("</html>");
 out.flush();
}


public void showMessage(HttpServletRequest req,
```

```java
                        HttpServletResponse resp,
                        SimpleMailUser mailUser,
                        int msg)
        throws ServletException, java.io.IOException
        {
                resp.setContentType("text/html");
                java.io.PrintWriter out = resp.getWriter();
        resp.setHeader("Expires", "Tues, 01 Jan 1980 00:00:00 GMT");
                String uri = req.getRequestURI();


        out.println("<html>");
            out.println("<head>");
            out.println("<title>" + FORM_TITLE + "</title>");
            out.println("<body bgcolor=black text=red>");
                try {
        Folder inbox = mailUser.getInbox();
        Message[] msgs = inbox.getMessages();
        Message m = msgs[msg];



                out.println("Date: " + m.getSentDate() + "<br>");
        Address a[] = m.getFrom();
                out.println("From: " + formatAddresses(a) + "<br>");
         a = m.getRecipients(Message.RecipientType.TO);
                out.println("To: " + formatAddresses(a) + "<br>");
        a = m.getRecipients(Message.RecipientType.CC);
                out.println("Cc: " + formatAddresses(a) + "<br>");
        String s = m.getSubject();
                if (s == null) {
                s = "";
                }
                out.println("Subject: <b>" + s + "</b><br><hr>");
        Object o = m.getContent();
        if (m.isMimeType("text/plain")) {
        out.println("<pre>" + o + "</pre>");
                }
                else if (m.isMimeType("multipart/*")) {
        Multipart mp = (Multipart) o;
        for (int j = 0; j < mp.getCount(); j++) {
        Part part = mp.getBodyPart(j);
        String contentType = part.getContentType();
                        if (contentType == null) {
                        out.println("Bad content type for part " + j);
                        continue;
                        }
```

```java
            ContentType ct = new ContentType(contentType);

        if (j != 0) {
          out.println("<hr>");
        }
    if (ct.match("text/plain")) {
          out.println("<pre>" + part.getContent() + "</pre>");
        }
        else {
          String desc = "Attachment ";
          s = part.getFileName();


      if (s != null) {
            desc += s;
          }
          out.println("<td><a href=\"" +
              uri + "?" + FORM_ACTION + "=" +
              ACTION_VIEW + "&" + FORM_MSG + "=" + msg +
              "&" + FORM_PART + "=" + j +
              "\">" + desc + "</a>");
        }
       }
      }
      else {
        out.println(m.getContentType());
      }

    }
    catch (MessagingException ex) {
      out.println("<br>");
      out.println("ERROR: " + ex.getMessage());
    }
    out.println("</body>");
    out.println("</html>");
    out.flush();
  }


  public void showPart(HttpServletRequest req,
            HttpServletResponse resp,
            SimpleMailUser mailUser,
            int msg, int part)
    throws ServletException, java.io.IOException
    {
```

```java
java.io.PrintWriter out = resp.getWriter();

try {
  Folder inbox = mailUser.getInbox();
  Message[] msgs = inbox.getMessages();
  Message m = msgs[msg];
  Multipart mp = (Multipart) m.getContent();
          Part p = mp.getBodyPart(part); String contentType =
      p.getContentType();
  if (contentType == null) {
    out.println("Invalid message part at " + part);
  }



else {
    ContentType type = new ContentType(contentType);
    resp.setContentType(type.getBaseType());
    java.io.InputStream in = p.getInputStream();
    int b;
    while (true) {
      b = in.read();
      if (b == -1) {
        break;
      }
      out.write(b);
    }
  }


  }
  catch (MessagingException ex) {
    out.println("<br>");
    out.println("ERROR: " + ex.getMessage());
  }     out.flush();
}


protected String getAddress(Address address)
  {
  String name = "";
  if (address != null) {
    name = "" + address;
    if (address instanceof InternetAddress) {
      String personal =
        ((InternetAddress) address).getPersonal();
      if (personal != null) {
```

```java
            name = personal;
        }
    }
}
return name;
}


protected String formatAddresses(Address addresses[])
{
    String s = "";
    if (addresses != null) {
        for (int i = 0; i < addresses.length; i++) {
            if (i > 0) {
                s += ",";


}
        s += getAddress(addresses[i]);
        }
    }

    return s;
}

public void createLoginForm(HttpServletRequest req,
                HttpServletResponse resp,
                SimpleMailUser mailUser)
    throws ServletException, java.io.IOException
    {

    resp.setContentType("text/html");
    java.io.PrintWriter out = resp.getWriter();
    resp.setHeader("Expires", "Tues, 01 Jan 1980 00:00:00 GMT");
    String uri = req.getRequestURI();out.println("<html>");
    out.println("<head>");
    out.println("<title>" + FORM_TITLE + "</title>");
    out.println("</head>");
    out.println("<body bgcolor=black text=red>");
    out.println("<center><h2>Welcome to the V4u Mail Reader");
    out.println("<br><br>Please Log In</h2>");
    out.println("<form ACTION=\"" + uri +
            "\" METHOD=\"POST\" ENCTYPE=" +
            "\"application/x-www-form-urlencoded\">");
    out.println("<table>");
out.println("<tr><td width=\"30%\">Transport Protocol:</td>");
```

```java
out.println("<td width=\"70%\"><select name=" +
        FORM_TRANSPORT + " size=1>");
String s[] = mailUser.getTransportNames();
for (int i = 0; i < s.length; i++) {
  out.println("<option value=\"" + s[i] + "\">" +
          s[i].toUpperCase());
}
out.println("</select></td></tr>");
out.println("<tr><td width=\"30%\">Store Protocol:</td>");
out.println("<td width=\"70%\"><select name=" +
        FORM_STORE + " size=1>");
s = mailUser.getStoreNames();
for (int i = 0; i < s.length; i++) {
  out.println("<option value=\"" + s[i] + "\">" +
          s[i].toUpperCase());
}
out.println("</select></td></tr>");


out.println("<tr><td>Mail Host:</td>");
out.println("<td><input type=\"text\" name=" +
                FORM_STOREHOST + " size=40></td></tr>");
    out.println("<tr><td>User Name:</td>");
out.println("<td><input type=\"text\" name=" +
        FORM_USER + " size=40></td></tr>");
out.println("<tr><td>Password:</td>");
out.println("<td><input type=\"password\" name=" +
        FORM_PASSWORD + " size=40></td></tr>");
out.println("</table><br>");
out.println("<input type=\"submit\" value=\"" +
        ACTION_LOGIN + "\" name=" + FORM_ACTION + ">");
out.println("<input type=\"reset\" value=\"Reset\">");
out.println("</form></center>");
out.println("</body>");
out.println("</html>");
out.flush();
}


public void createWriteForm(HttpServletRequest req,
                HttpServletResponse resp,
                SimpleMailUser mailUser)
throws ServletException, java.io.IOException
{
  resp.setContentType("text/html");
  java.io.PrintWriter out = resp.getWriter();
```

```java
out.println("<html>");
out.println("<head>");
out.println("<title>" + FORM_TITLE + "</title>");
out.println("<center><h2>New Message</h2>");
out.println("<br><form method=POST action=\"" +
        req.getRequestURI() + "\">");
String fromName = mailUser.getFromName();
if (fromName == null) {
  fromName = "";
}

out.println("<table>");
out.println("<tr><td>From:</td>");
out.println("<td><input type=text name=" +
        FORM_FROM + " size=40 value=\"" + fromName +
        "\"></td></tr>");
out.println("<tr><td>To:</td>");
out.println("<td><input type=text name=" +
        FORM_TO + " size=40></td></tr>");
out.println("<tr><td>Cc:</td>");
out.println("<td><input type=text name=" +
        FORM_CC + " size=40></td></tr>");
out.println("<tr><td>Subject:</td>");
out.println("<td><input type=text name=" +
        FORM_SUBJECT + " size=40></td></tr>");
out.println("<tr><td>Message:</td>");
out.println("<td><textarea name=" + FORM_MSG +
        " cols=40 rows=6></textarea></td></tr>");
out.println("</table><br>");
out.println("<input type=submit name=" +
        FORM_ACTION + " value=\"" +
        ACTION_SEND + "\">");
out.println("<input type=reset value=\"Reset\">");
out.println("</form></center></body></html>");
out.println("</body>");
out.println("</html>");
out.flush();
}

public void sendMessage(HttpServletRequest req,
                HttpServletResponse resp,
                SimpleMailUser mailUser)
    throws ServletException, java.io.IOException
    {

    resp.setContentType("text/html");
```

```java
java.io.PrintWriter out = resp.getWriter();
out.println("<html>");
out.println("<head>");
out.println("<title>" + FORM_TITLE + "</title>");
out.println("<body bgcolor=black text=red>");
String from = req.getParameter(FORM_FROM);
String to = req.getParameter(FORM_TO);
String cc = req.getParameter(FORM_CC);
String subject = req.getParameter(FORM_SUBJECT);
String msg = req.getParameter(FORM_MSG);
if ((from == null) || (from.trim().length() == 0)) {
  out.println("'From' name must be given");
}
else if ((to == null) || (to.trim().length() == 0)) {
  out.println("'To' address(es) must be given");
}
else {
  try {


    Message m = new MimeMessage(mailUser.getSession());
InternetAddress[] iAddr = null;
    m.setFrom(new InternetAddress(from));

    mailUser.setFromName(from);
      iAddr = InternetAddress.parse(to, false);
    m.setRecipients(Message.RecipientType.TO, iAddr);
    if ((cc != null) && (cc.trim().length() > 0)) {
      iAddr = InternetAddress.parse(cc, false);
      m.setRecipients(Message.RecipientType.CC, iAddr);
    }
m.setSubject(subject);
    m.setText(msg);
    Transport.send(m);
  out.println("Message sent!");
    }
    catch (Exception ex) {
      out.println("Unable to send message: " + ex.getMessage());
    }
  }
  out.println("</body>");
  out.println("</html>");
  out.flush();
  }
```

```java
public void createErrorPage(HttpServletRequest req,
                HttpServletResponse resp,
                String msg,
                Exception ex)
    throws ServletException, java.io.IOException
{

    resp.setContentType("text/html");
    resp.setHeader("Expires", "Tues, 01 Jan 1980 00:00:00 GMT");


    java.io.PrintWriter out = resp.getWriter();
    out.println("<html>");
    out.println("<head>");
    out.println("<title>" + FORM_TITLE + "</title>");
    out.println("</head>");
    out.println("<body bgcolor=black text=red>");
    out.println("<center><h2>" + msg + "</h2>");
    out.println("</center>");
    if (ex != null) {


    out.println("<br>Stack Trace:<br>");
        ex.printStackTrace(out);
    }
    out.println("</body>");
    out.println("</html>");
    out.flush();
    }

public void init(ServletConfig cfg)
    throws ServletException
    {
    super.init(cfg);
    }

public void destroy()
    {
    super.destroy();
    }

}
```

HTML Code for aphrodite.com

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0
Transitional//EN">
<HTML><HEAD><TITLE>www.Aphrodite.com</TITLE>
<META content="text/html; charset=iso-8859-1" http-equiv=Content-
Type>
<SCRIPT language=JavaScript>
<!--
function MM_swapImgRestore() { //v2.0
  if (document.MM_swapImgData != null)
    for (var i=0; i<(document.MM_swapImgData.length-1); i+=2)
      document.MM_swapImgData[i].src =
document.MM_swapImgData[i+1];
}
function MM_preloadImages() { //v2.0
  if (document.images) {
    var imgFiles = MM_preloadImages.arguments;
    if (document.preloadArray==null) document.preloadArray = new
Array();
    var i = document.preloadArray.length;


    with (document) for (var j=0; j<imgFiles.length; j++) if
(imgFiles[j].charAt(0)!="#"){
      preloadArray[i] = new Image;
      preloadArray[i++].src = imgFiles[j];
  } }
}

function MM_swapImage() { //v2.0
  var i,j=0,objStr,obj,swapArray=new
Array,oldArray=document.MM_swapImgData;
  for (i=0; i < (MM_swapImage.arguments.length-2); i+=3) {
    objStr = MM_swapImage.arguments[(navigator.appName ==
'Netscape')?i:i+1];
    if ((objStr.indexOf('document.layers[')==0 && document.layers==null) ||
      (objStr.indexOf('document.all[')  ==0 && document.all  ==null))
    objStr =
'document'+objStr.substring(objStr.lastIndexOf('.'),objStr.length);
    obj = eval(objStr);
    if (obj != null) {
      swapArray[j++] = obj;
      swapArray[j++] = (oldArray==null || oldArray[j-
1]!=obj)?obj.src:oldArray[j];
      obj.src = MM_swapImage.arguments[i+2];
  } }
```

```
    document.MM_swapImgData = swapArray; //used for restore
}
//-->
</SCRIPT>

<META content="MSHTML 5.00.2614.3500"
name=GENERATOR></HEAD>
<BODY bgColor=#000000
onload="MM_preloadImages('prof1.jpg','#973505157800');MM_preloadIm
ages('east1.jpg','#973505610770');MM_preloadImages('tec1.jpg','#9735059
17860');MM_preloadImages('qcd1','#973580530350');MM_preloadImages('
qcd1.jpg','#973580724730');MM_preloadImages('mind1.jpg','#97358693318
0');MM_preloadImages('food1.jpg','#973609290490');MM_preloadImages('
BUTMNPG2.jpg','#973839519770');MM_preloadImages('BUTMNPG4.jpg'
,'#973840130150');MM_preloadImages('BUTMNPG6.jpg','#973840666500'
)">
<DIV id=Layer1
style="HEIGHT: 115px; LEFT: -12px; POSITION: absolute; TOP: -28px;
VISIBILITY: visible; WIDTH: 200px; Z-INDEX: 2"><IMG
height=460 src="index_files/mainbg.jpg" width=800></DIV>
<DIV id=Layer2
style="HEIGHT: 76px; LEFT: 378px; POSITION: absolute; TOP: 8px;
WIDTH: 200px; Z-INDEX: 22; visibility: visible">


    <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swf
lash.cab#3,0,0,0" width="410" height="76">
    <param name="SRC" value="banner%207.swf">
    <embed src="banner%207.swf"
pluginspage="http://www.macromedia.com/shockwave/download/"
type="application/x-shockwave-flash" width="410" height="76">
    </embed>
    </object> </DIV>
<DIV id=Layer3
style="HEIGHT: 338px; LEFT: 565px; POSITION: absolute; TOP: 94px;
WIDTH: 221px; Z-INDEX: 24; visibility: visible">
    <object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swf
lash.cab#3,0,0,0" width="250" height="320">
    <param name="SRC" value="win.swf">
    <embed src="win.swf"
pluginspage="http://www.macromedia.com/shockwave/download/"
type="application/x-shockwave-flash" width="250" height="320">
    </embed>
    </object> </DIV>
```

```
<DIV id=Layer4
style="HEIGHT: 39px; LEFT: 217px; POSITION: absolute; TOP: 29px;
WIDTH: 123px; Z-INDEX: 5; visibility: visible">
 <A href="mind%20traveller.htm"
onmouseout=MM_swapImgRestore()
onmouseover="MM_swapImage('document.layers[\'Layer4\'].document.Ima
ge11','document.Image11','mind1.jpg','#973586933180')"><IMG
border=0 height=42 name=Image11 src="index_files/mind.jpg"
width=126></A></DIV>
<DIV id=Layer6
style="HEIGHT: 38px; LEFT: 234px; POSITION: absolute; TOP: 121px;
WIDTH: 120px; Z-INDEX: 7; visibility: visible"><A
href="profmainpg.htm"
onmouseout=MM_swapImgRestore()
onmouseover="MM_swapImage('document.layers[\'Layer6\'].document.Ima
ge4','document.Image4','prof1.jpg','#973505157800')"><IMG
border=0 height=39 name=Image4 src="index_files/prof.jpg"
width=120></A></DIV>
<DIV id=Layer7
style="HEIGHT: 43px; LEFT: 225px; POSITION: absolute; TOP: 163px;
WIDTH: 92px; Z-INDEX: 11; visibility: visible"><A
href="food.htm"
onmouseout=MM_swapImgRestore()
onmouseover="MM_swapImage('document.layers[\'Layer7\'].document.Ima
ge12','document.Image12','food1.jpg','#973609290490')"><IMG
border=0 height=42 name=Image12 src="index_files/food.jpg"
width=103></A></DIV>
<DIV id=Layer8
style="HEIGHT: 38px; LEFT: 198px; POSITION: absolute; TOP: 203px;
WIDTH: 102px; Z-INDEX: 10; visibility: visible"><A
href="easmeet.htm"
onmouseout=MM_swapImgRestore()
onmouseover="MM_swapImage('document.layers[\'Layer8\'].document.Ima
ge7','document.Image7','east1.jpg','#973505610770')"><IMG
border=0 height=47 name=Image7 src="index_files/east.jpg"
width=97></A></DIV>
<DIV id=Layer9
style="HEIGHT: 32px; LEFT: 159px; POSITION: absolute; TOP: 234px;
WIDTH: 95px; Z-INDEX: 9; visibility: visible"><A
href="tectalk.htm"
onmouseout=MM_swapImgRestore()

onmouseover="MM_swapImage('document.layers[\'Layer9\'].document.Ima
ge8','document.Image8','tec1.jpg','#973505917860')"><IMG
border=0 height=44 name=Image8 src="index_files/tec.jpg"
width=81></A></DIV>
```

```html
<DIV id=Layer5
style="HEIGHT: 35px; LEFT: 234px; POSITION: absolute; TOP: 77px;
WIDTH: 123px; Z-INDEX: 16; visibility: visible"><A
href="frame.html"
onmouseout=MM_swapImgRestore()
onmouseover="MM_swapImage('document.layers[\'Layer5\'].document.Ima
ge10','document.Image10','qcd1.jpg','#973580724730')"><IMG
border=0 height=36 name=Image10 src="index_files/qcd.jpg"
width=118></A></DIV>
<div id="Layer10" style="position:absolute; left:291px; top:381px;
width:28px; height:25px; z-index:17; visibility: visible"><a
href="CONTACT.htm" onMouseOut="MM_swapImgRestore()"
onMouseOver="MM_swapImage('document.layers[\'Layer10\'].document.I
mage13','document.Image13','BUTMNPG2.jpg','#973839519770')"><img
name="Image13" border="0" src="BUTMNPG1.jpg" width="32"
height="27"></a></div><div id="Layer11" style="position:absolute;
left:223px; top:383px; width:55px; height:34px; z-index:18; visibility:
visible"><img src="contactusmnpg.jpg" width="71" height="25"></div>
<div id="Layer12" style="position:absolute; left:402px; top:383px;
width:34px; height:25px; z-index:19; visibility: visible"><a
href="about.htm" onMouseOut="MM_swapImgRestore()"
onMouseOver="MM_swapImage('document.layers[\'Layer12\'].document.I
mage14','document.Image14','BUTMNPG4.jpg','#973840130150')"><img
name="Image14" border="0" src="BUTMNPG3.jpg" width="32"
height="27"></a></div><div id="Layer13" style="position:absolute;
left:354px; top:382px; width:47px; height:30px; z-index:20; visibility:
visible"><img src="abtusmnpg.jpg" width="45" height="30"></div>
<div id="Layer14" style="position:absolute; left:524px; top:382px;
width:31px; height:22px; z-index:21; visibility: visible"><a
href="join.html" onMouseOut="MM_swapImgRestore()"
onMouseOver="MM_swapImage('document.layers[\'Layer14\'].document.I
mage15','document.Image15','BUTMNPG6.jpg','#973840666500')"><img
name="Image15" border="0" src="BUTMNPG5.jpg" width="32"
height="27"></a></div>
<div id="Layer15" style="position:absolute; left:456px; top:383px;
width:62px; height:23px; z-index:23; visibility: visible"><img
src="joinusmnpg.jpg" width="67" height="24"></div>
</BODY>
</HTML>
```

Servlet Code for aphrodite.com

```java
// servlet for comment storage

import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;
import java.io.*;
public class aphrocomment extends HttpServlet
{
    public void doGet(HttpServletRequest rq,HttpServletResponse rs)throws
ServletException
    {
        PrintWriter pr;
        Connection c=null;
        PreparedStatement ps=null;

        try
        {
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

        c=DriverManager.getConnection("jdbc:odbc:aphro");
        }
        catch(Exception hh)
        {
        }
        try
        {
        ps=c.prepareStatement("insert into comments values(?,?,?,?)");

        ps.setString(1,rq.getParameter("t1"));
        ps.setString(2,rq.getParameter("t2"));
        ps.setString(3,rq.getParameter("t3"));
        ps.setString(4,rq.getParameter("t4"));
        int i= ps.executeUpdate();
        rs.setContentType("text/html");
        pr=new PrintWriter(rs.getWriter());
        if (i==0)
        {
            pr.println("updation error..........");
        }

    else
    {
```

```
            pr.println("Thank You For Your Comments");

            pr.println("<a href=index.htm>Home</a>");
    }
        pr.close();
        }
        catch(Exception tttt)
        {
        } }


    }
```

Flash Script for gowrishcnc.com

Button Event

```
On (Release)
    Stop All Sounds
    Begin Tell Target ("/")
        Go to and Play ("aboutus")
    End Tell Target
End On
On (Roll Over)
    Begin Tell Target ("disp")
        Go to and Stop (2)
    End Tell Target
End On
On (Roll Out)
    Begin Tell Target ("disp")
        Go to and Stop (1)
    End Tell Target
End On

On (Release)
    Stop All Sounds
    Begin Tell Target ("/")
        Go to and Play ("activities")
    End Tell Target
End On
On (Roll Over)
    Begin Tell Target ("disp")
        Go to and Stop (3)
    End Tell Target
```

```
End On
On (Roll Out)
    Begin Tell Target ("disp")
        Go to and Stop (1)
    End Tell Target
End On

On (Release)
    Stop All Sounds
    Begin Tell Target ("/")
        Go to and Play ("gallery")
    End Tell Target
End On
On (Roll Over)
    Begin Tell Target ("disp")
        Go to and Stop (4)
    End Tell Target
End On
On (Roll Out)
    Begin Tell Target ("disp")
        Go to and Stop (1)
    End Tell Target
End On

On (Release)
    Stop All Sounds
    Begin Tell Target ("/")
        Go to and Play ("contacts")
    End Tell Target
End On
On (Roll Over)
    Begin Tell Target ("disp")
        Go to and Stop (5)
    End Tell Target
End On
On (Roll Out)
    Begin Tell Target ("disp")
        Go to and Stop (1)
    End Tell Target
End On

If (ch = 1)
    Begin Tell Target ("/text")
        Go to and Stop (2)
    End Tell Target
Else If (ch = 2)
```

```
        Begin Tell Target ("/text")
            Go to and Stop (3)
        End Tell Target
Else If (ch = 3)
        Begin Tell Target ("/text")
            Go to and Stop (4)
        End Tell Target
Else If (ch = 4)
        Begin Tell Target ("/text")
            Go to and Stop (5)
        End Tell Target
End If
```

HTML for gowrishcnc.com

```
<html>
<head>
<title>v4u active media</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-
1">
</head>
<frameset rows="100%,*" framespacing="0" frameborder="no"
border="0">
<frame SRC="fin.html" NAME="main" frameborder="0" border="no"
marginwidth="0" marginheight="0" scrolling="no">
 <frame SRC="blank.htm" NAME="unten" frameborder="0" border="no"
marginwidth="0" marginheight="0" scrolling="no">
</frameset>
<noframes>
</noframes>
</html>
```

```
<HTML>
<HEAD>
<TITLE>final</TITLE>
</HEAD>
<BODY bgcolor="#000000">
<OBJECT classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

codebase="http://active.macromedia.com/flash2/cabs/swflash.cab#version=
4,0,0,0"
 ID=final WIDTH=800 HEIGHT=400>
<PARAM NAME=movie VALUE="final.swf">
```

```
<PARAM NAME=quality VALUE=high>
<PARAM NAME=bgcolor VALUE=#000000>
<EMBED src="final.swf" quality=high bgcolor=#000000  WIDTH=760
HEIGHT=400 TYPE="application/x-shockwave-flash"
PLUGINSPAGE="http://www.macromedia.com/shockwave/download/inde
x.cgi?P1_Prod_Version=ShockwaveFlash">
</EMBED>
</OBJECT>
</BODY>
</HTML>
```

JSP Code

```
<HTML>
<%@ page language="java" %>
<%@ page import="java.sql.*" %>
<%

        Connection cn=null;
        PreparedStatement st=null;
        Statement st1;
        ResultSet rs;
        try
        {
        String a1=request.getParameter("t1");
        String a2=request.getParameter("t2");
        String a3=request.getParameter("t3");
        String a4=request.getParameter("t4");
        String a5=request.getParameter("t5");
        String a6=request.getParameter("t6");
        String a7=request.getParameter("t7");
        String a8=request.getParameter("t8");

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
cn=DriverManager.getConnection("jdbc:odbc:order");
 st1=cn.createStatement();
rs=st1.executeQuery("select * from order");
st=cn.prepareStatement("insert into cu_details values(?,?,?,?,?,?,?,?)");

st.setString(1,a1);
st.setString(2,a2);
st.setString(3,a3);
st.setString(4,a4);
st.setString(5,a5);
st.setString(6,a6);
```

```
st.setString(7,a7);
st.setString(8,a8);
st.executeUpdate();
st.close();
}

    catch(Exception hh)
    {
    }


%>
</html>
```

HTML for intelkids.edu

```
<HTML>
<HEAD>
<TITLE>homepg1</TITLE>
</HEAD>
<BODY bgcolor="#FFFFFF">
<A HREF=practicalwork.html></A> <A HREF=universe.html></A> <A
HREF=colourscene.html></A> <A HREF=myself.html></A> <A
HREF=numbers.html></A> <A HREF=stories.html></A> <A
HREF=diduknow.html></A>
OBJECT classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"

codebase="http://active.macromedia.com/flash2/cabs/swflash.cab#version=
4,0,0,0"
 ID=homepg1 WIDTH=777 HEIGHT=444>
 <PARAM NAME=movie VALUE="homepg1.swf">
 <PARAM NAME=quality VALUE=high>
<PARAM NAME=bgcolor VALUE=#FFFFFF>
<EMBED src="homepg1.swf" quality=high bgcolor=#FFFFFF
WIDTH=777 HEIGHT=444 TYPE="application/x-shockwave-flash"
PLUGINSPAGE="http://www.macromedia.com/shockwave/download/inde
x.cgi?P1_Prod_Version=ShockwaveFlash">
</EMBED>
</OBJECT>
</BODY>
</HTML>
```

HTML for nanacancertrust.org

```html
<html>
<head>
<title>nanacancertrust</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-
1">
</head>
<SCRIPT language=JavaScript>
if (navigator.appName == "Microsoft Internet Explorer") {
    function click() {
    if (event.button==2) {
    alert('cannot download information');
    }
    }
    document.onmousedown=click
    }
</script>
<body bgcolor="#FFFFFF">
<div id="Layer1" style="position: absolute; left: 127px; top: 12px; width:
500px; height: 100px; z-index: 1"><object classid="clsid:D27CDB6E-
AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swf
lash.cab#version=4,0,2,0" width="500" height="100">
    <param name=movie value="ban5.swf">
    <param name=quality value=high>
    <embed src="ban5.swf" quality=high
pluginspage="http://www.macromedia.com/shockwave/download/index.cgi
?P1_Prod_Version=ShockwaveFlash" type="application/x-shockwave-
flash" width="500" height="100">
    </embed>
    </object></div>
<div id="Layer2" style="position: absolute; left: 670px; top: 13px; width:
80px; height: 123px; z-index: 2"><img src="cancer.jpg" width="80"
height="123"></div>
<div id="Layer3" style="position: absolute; left: 15px; top: 121px; width:
280px; height: 45px; z-index: 3"><object classid="clsid:D27CDB6E-
AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swf
lash.cab#3,0,0,0" width="280" height="45">
    <param name="SRC" value="BLOOD%20CANCER.swf">
    <embed src="BLOOD%20CANCER.swf"
pluginspage="http://www.macromedia.com/shockwave/download/"
type="application/x-shockwave-flash" width="280" height="45">
    </embed>
    </object></div>
```

```
<div id="Layer4" style="position: absolute; left: 479px; top: 178px; width:
200px; height: 100px; z-index: 4"><img src="fig13.jpg" width="200"
height="100"></div>
<div id="Layer5" style="position: absolute; left: 15px; top: 205px; width:
398px; height: 461px; z-index: 5">
  <p><font color="#0000FF" size="+1"> The medical term for Blook cancer
is "<font color="#FF0033">Leukemia</font>"-
      meaning excess white cells.The normal white cell count in the blood is no
      more than 10000 per cubic mm,but in leukemia the count can be as high
as a
      fw lakhs.In the normal person, white cells are the soldiers that fight germs
      and viruses and keep us free of infections. </font></p>
  <p><font color="#0000FF" size="+1">In leukemias the proliferating white
cells
      jeopardise bodys defences and there are more infections. There are two
broad
      type of leukemias-Acute and Chonic Acute leukemia is of sudden onset
and usually
      ot of the blue.Patients report with symptoms like Fever,Extreme weakness
Bleeding
      manifestations. Mouth ulcers etc. Acute Leukemia can affect all ages and
sex
      groups. The two types of acute leukemia are <font
color="#FF0033">ALL</font>
      (Acute Lymphoblastic Leukemia) and <font
color="#FF0033">AML</font> (Acute
      Myeloblastic Leukemia). ALL occuring in children is a curable cancer
      with
      about 50% chances in India of long term survival and cure Many children
(even
      in our city) are alive and well after compleing the precribed treatment
course.ALL
      in adults and AML in all ages is a more seriour disease with only 10%
chance
      of long term survival Expensive treatments like High Dose Chemo
Theraphy and
      Bone Marrow Transplantation(BMT) can save a small percentage of these
      unfortunate
      victims.</font></p>
  <p> <font color="#0000FF" size="+1"> </font></p>
</div>
<div id="Layer6" style="position: absolute; left: 483px; top: 293px; width:
200px; height: 200px; z-index: 6"><img src="fig14.jpg" width="200"
height="200"></div>
```

```html
<div id="Layer7" style="position: absolute; left: 475px; top: 516px; width:
200px; height: 100px; z-index: 7"><img src="fig15.jpg" width="200"
height="100"></div>
<div id="Layer8" style="position: absolute; left: 471px; top: 636px; width:
200px; height: 100px; z-index: 8"><img src="fig16.jpg" width="200"
height="100"></div>
<div id="Layer9" style="position: absolute; left: 13px; top: 1042px; width:
229px; height: 162px; z-index: 9"><img src="Surv.jpg" width="431"
height="301"></div>
<div id="Layer10" style="position: absolute; left: 483px; top: 1166px;
width: 225px; height: 84px; z-index: 10">
  <p><font size="4">These are some of the victims who were treated and
completely
    cured for <font color="#0000FF">leukemia blood cancer</font>.
</font></p></div>
<div id="Layer11" style="position: absolute; left: 359; top: 1402px; width:
84px; height: 80px; z-index: 11"><a href="Home.html"><img
src="home.jpg" width="84" height="80" border="0"></a></div>
<div id="Layer12" style="position: absolute; left: 304; top: 1415px; width:
50px; height: 50px; z-index: 12"><a href="historyofcancer.htm"><img
src="Prev.jpg" width="50" height="50" border="0"></a></div>
<div id="Layer13" style="position: absolute; left: 447; top: 1415px; width:
50px; height: 50px; z-index: 13"><a
href="otherbloodrelateddiseases.htm"><img src="Next.jpg" width="50"
height="50" border="0"></a></div>
<div id="Layer14" style="position: absolute; left: 15px; top: 1482px width:
44px; height: 1px; z-index: 14; line-height: 1px"><img width="44"
height="1" src="transparent.gif"></div>
<div id="Layer15" style="position: absolute; left: 59px; top: 1482px; width:
50px; height: 1px; z-index: 15; line-height: 1px"><img width="50"
height="1" src="transparent.gif"></div>
<div id="Layer16" style="position: absolute; left: 109px; top: 1482px;
width: 5px; height: 1px; z-index: 16; line-height: 1px"><img width="5"
height="1" src="transparent.gif"></div>
<div id="Layer17" style="position: absolute; left: 114px; top: 1482px;
width: 13px; height: 1px; z-index: 17; line-height: 1px"><img width="13"
height="1" src="transparent.gif"></div>
<div id="Layer18" style="position: absolute; left: 127px; top: 1482px;
width: 71px; height: 1px; z-index: 18; line-height: 1px"><img width="71"
height="1" src="transparent.gif"></div>
<div id="Layer19" style="position: absolute; left: 198px; top: 1482px;
width: 4px; height: 1px; z-index: 19; line-height: 1px"><img width="4"
height="1" src="transparent.gif"></div>
<div id="Layer20" style="position: absolute; left: 202px; top: 1482px;
width: 42px; height: 1px; z-index: 20; line-height: 1px"><img width="42"
height="1" src="transparent.gif"></div>
```

```html
<div id="Layer21" style="position: absolute; left: 244px; top: 1482px;
width: 8px; height: 1px; z-index: 21; line-height: 1px"><img width="8"
height="1" src="transparent.gif"></div>
<div id="Layer22" style="position: absolute; left: 252px; top: 1482px;
width: 25px; height: 1px; z-index: 22; line-height: 1px"><img width="25"
height="1" src="transparent.gif"></div>
<div id="Layer23" style="position: absolute; left: 277px; top: 1482px;
width: 18px; height: 1px; z-index: 23; line-height: 1px"><img width="18"
height="1" src="transparent.gif"></div>
<div id="Layer24" style="position: absolute; left: 295px; top: 1482px;
width: 91px; height: 1px; z-index: 24; line-height: 1px"><img width="91"
height="1" src="transparent.gif"></div>
<div id="Layer25" style="position: absolute; left: 386px; top: 1482px;
width: 78px; height: 1px; z-index: 25; line-height: 1px"><img width="78"
height="1" src="transparent.gif"></div>
<div id="Layer26" style="position: absolute; left: 464px; top: 1482px;
width: 7px; height: 1px; z-index: 26; line-height: 1px"><img width="7"
height="1" src="transparent.gif"></div>
<div id="Layer27" style="position: absolute; left: 471px; top: 1482px;
width: 4px; height: 1px; z-index: 27; line-height: 1px"><img width="4"
height="1" src="transparent.gif"></div>
<div id="Layer28" style="position: absolute; left: 475px; top: 1482px;
width: 4px; height: 1px; z-index: 28; line-height: 1px"><img width="4"
height="1" src="transparent.gif"></div>
<div id="Layer29" style="position: absolute; left: 479px; top: 1482px;
width: 4px; height: 1px; z-index: 29; line-height: 1px"><img width="4"
height="1" src="transparent.gif"></div>
<div id="Layer30" style="position: absolute; left: 483px; top: 1482px;
width: 19px; height: 1px; z-index: 30; line-height: 1px"><img width="19"
height="1" src="transparent.gif"></div>
<div id="Layer31" style="position: absolute; left: 502px; top: 1482px;
width: 55px; height: 1px; z-index: 31; line-height: 1px"><img width="55"
height="1" src="transparent.gif"></div>
<div id="Layer32" style="position: absolute; left: 557px; top: 1482px;
width: 70px; height: 1px; z-index: 32; line-height: 1px"><img width="70"
height="1" src="transparent.gif"></div>
<div id="Layer33" style="position: absolute; left: 627px; top: 1482px;
width: 43px; height: 1px; z-index: 33; line-height: 1px"><img width="43"
height="1" src="transparent.gif"></div>
<div id="Layer34" style="position: absolute; left: 670px; top:
1482px; width: 1px; height: 1px; z-index: 34; line-height: 1px"><img
width="1" height="1" src="transparent.gif"></div>
<div id="Layer35" style="position: absolute; left: 671px; top:
1482px; width: 4px; height: 1px; z-index: 35; line-height: 1px"><img
width="4" height="1" src="transparent.gif"></div>
```

```
<div id="Layer36" style="position: absolute; left: 675px; top: 1482px;
width: 4px; height: 1px; z-index: 36; line-height: 1px"><img width="4"
height="1" src="transparent.gif"></div>
            <div id="Layer37" style="position: absolute; left: 679px; top:
1482px; width: 4px; height: 1px; z-index: 37; line-height: 1px"><img
width="4" height="1" src="transparent.gif"></div>
            <div id="Layer38" style="position: absolute; left: 683px; top:
1482px; width: 31px; height: 1px; z-index: 38; line-height: 1px"><img
width="31" height="1" src="transparent.gif"></div>
            <div id="Layer39" style="position: absolute; left: 714px; top:
1482px; width: 18px; height: 1px; z-index: 39; line-height: 1px"><img
width="18" height="1" src="transparent.gif"></div>
            <div id="Layer40" style="position: absolute; left: 732px; top:
1482px; width: 18px; height: 1px; z-index: 40; line-height: 1px"><img
width="18" height="1" src="transparent.gif"></div>
            <div id="Layer41" style="position:absolute; left:15px;
top:810px; width:713px; height:191px; z-index:41"><font color="#0000FF"
size="+1">
            <font color="#FF0000">C</font>hornoic leukemias, by
definition come on gradually
            (over a period of few weeks or months) and also extend for
longer period in
            the patients life. Many patients commonly survive 5,10 or
even 20 years after
            the diagnosis is made. The two major types of chronic
leukemia are<font color="#FF0033">
            CML </font>(Chronic Myeloid Leukemia) and <font
color="#FF0033">CLL</font>(Choronic
            Lymphatic Luekemia)Even though they are seen in older
persons (above 50 years
            of age) in India they also occur in very young people also-for
unknown reasons.Atlease
            50% of CML ocurs in persons under 40 years of age in
India.The chronic leukemias
            generally manifest as vague symptoms like loss of weight and
appetite,lumps
            in the abdomen and other parts of the body number of years
but cures are rare.
    </font></div>
</body>
</html>
```

WML Code for oxemberg.com

```
<?xml version="1.0"?>
```

```wml
<!DOCTYPE wml PUBLIC "-//WAPFORUM//DTD WML 1.1//EN"
"http://www.wapforum.org/DTD/wml_1.1.xml">
<wml>
  <template>
   <do type="prev"><prev/>
</do>
  </template>
   <card id="card1" title="home" newcontext="true">
      <do type="next" label="Next">
     <go href="#card2"/>
    </do>
     <p align="center">
     <big><b>WELCOME TO ONLINE SHOPPING</b></big>
    </p>
     </card>
     <card id="card2" title="WELCOME">
 <do type="next" label="Shirt">
     <go href="#card3"/>
</do>
                  <do type="Prev" label="Pant">
     <go href="#card5"/>
     </do>
<p align="center">
YOUR ARE ABOUT TO ENTER
THE NEW ERRA OF MOBILE SHOPPING
</p>
<p align="center"><big>
<b>
ENJOY YOUR SHOPPING WITH US
   </b></big>
</p>
   </card>
   <card id="card3" title="Shirt" newcontext="true">

   <do type="Next" label="Show Selection">
    <go href="#card4"/>
   </do>
   <p>

Size: <input format="N*N" name="size" title="Size:" value="0"/>
Colour :<select name="colour" value="paleyellow" title="Colour:">
                  <option value="paleyellow">Pale Yellow</option>
                  <option value="pistagreen">Pista Green</option>
                  <option value="palepink">Pale Pink</option>
      <option value="light blue">Light Blue</option>
                  </select>
```

```
Pattern :<select name="pattern" value="plain" title="Pattern:">
                  <option value="plain">Plain</option>
                  <option value="checked">Checked</option>
                  <option value="striped">Striped</option>
          </select>
Category :<select name="category" value="half" title="Category:">
                  <option value="half slack">Half Slack</option>
                  <option value="full slack">Full Slack</option>
                  <option value="casuals">Casuals</option>
          </select>
  <do type="prev" label="Back">
                  <prev/>
          </do>
</p>
 </card>
 <card id="card4" title="Pricing">
  <p>
<do type ="accept" label="calculate">
<go
href="shop.wmls#show($(size),'$(colour)','$(category)'.'$(pattern)','t1','t2')"/
>
</do>   size :$size
<br/>
Colour :$colour<br/>
Category :$category<br/>
Pattern :$pattern<br/>
Status :$t1<br/>M.R.P :$t2
 <do type="Next" label="Pant">
    <go href="#card5"/></do>
   </p>
 </card>
 <card id="card5" title="Pant" newcontext="true">
   <do type="Next" label="Show Selection">
    <go href="#card6"/>
   </do>
 <do type="Prev" label="shirt">
    <go href="#card3"/>
   </do>
   <p>
Size: <input format="N*N" name="size" title="Size:" value="0"/>
Colour :<select name="colour" value="black" title="Colour:">
                  <option value="black">Black</option>
                  <option value="blue">Blue</option>
                  <option value="grey">Grey</option>
     <option value="white">White</option>
     <option value="darkgreen">Dark Green</option>
```

```
                </select>
Category :<select name="category" value="cottonspun" title="Category:">
                        <option value="cottonspun">Cotton Spun</option>
                        <option value="denium">Denium</option>
                        <option value="cargos">Cargos</option>
                        <option value="kackies">Kackies</option>
            </select>
</p>
 </card>
 <card id="card6" title="Pricing">
    <p>
<do type ="accept" label="calculate">
<go href="shop.wmls#showp($(size),'$(colour)','$(category)','t1','t2')"/>
</do>        Size :$size
<br/>
Colour :$colour<br/>
Category :$category<br/>
Status :$t1<br/>
M.R.P :$t2
</p>
</card>
</wml>
```

WML Script for oxemberg.com

```
extern function show(size,colour,category,pattern,t1,t2) {
var z1,z2;
if ( size < 32 || size >44 )
{
z1="Size does not exist";
z2="0.0";
}else if (size >=32 && size <=44)
{
z1="Size available";

if(category == "full slack" && pattern == "plain")
{
if (size >=32 && size <=36)
{
z2="Rs 399/-";
}
else if (size >36 && size <=40)
{
z2="Rs 499/-";
```
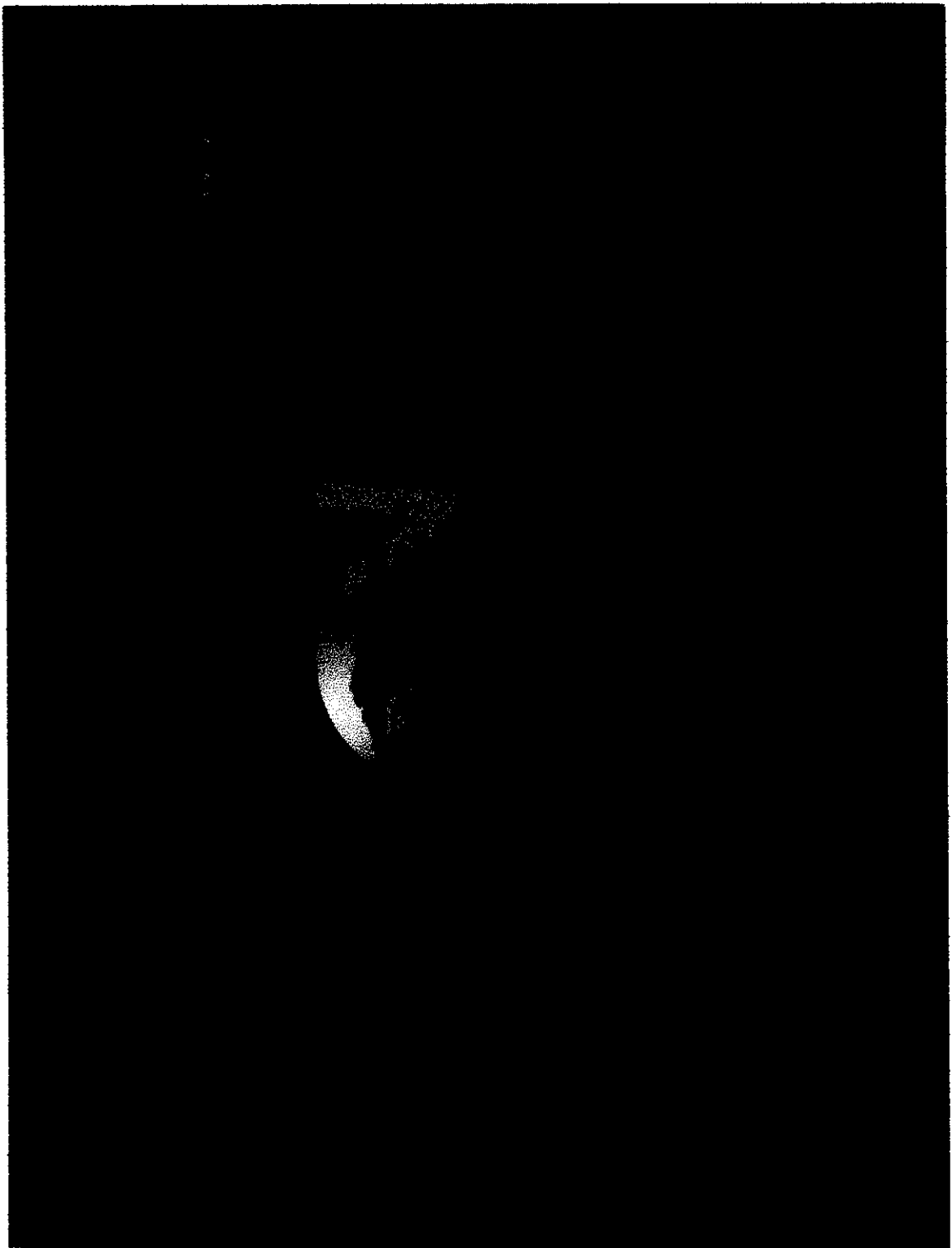
```
            }
        else if (size >40)
        {
        z2="Rs 599/-";
        }
    }

    if(category == "half slack" && pattern == "plain")
    {
    if (size >=32 && size <=36)
    {
    z2="Rs 379/-";
    }
    else if (size >36 && size <=40)
    {
    z2="Rs 479/-";
    }
    else if (size >40)
    {
    z2="Rs 579/-";
    }
    }

    if(category == "casual" && pattern == "plain")
    {
    if (size >=32 && size <=36)
    {
    z2="Rs 299/-";
    }
    else if (size >36 && size <=40)
    {
    z2="Rs 379/-";
    }
    else if (size >40)
    {
    z2="Rs 399/-";
    }
    }

    if(category == "full slack" && pattern == "striped")
    {
    if (size >=32 && size <=36)
    {
    z2="Rs 399/-";
    }
    else if (size >36 && size <=40)
```

```
{
z2="Rs 499/-";
}
else if (size >40)
{
z2="Rs 599/-";
}
}
if(category == "half slack" && pattern == "striped")
{
if (size >=32 && size <=36)
{
z2="Rs 379/-";
}
else if (size >36 && size <=40)
{
z2="Rs 479/-";
}
else if (size >40)
{
z2="Rs 579/-";
}
}
if(category == "casual" && pattern == "striped")
{
if (size >=32 && size <=36)
{
z2="Rs 299/-";
}
else if (size >36 && size <=40)
{
z2="Rs 379/-";
}
else if (size >40)
{
z2="Rs 399/-";
}
}


if(category == "full slack" && pattern == "checked")
{
if (size >=32 && size <=36)
{
z2="Rs 399/-";
}
```

```
else if (size >36 && size <=40)
{
z2="Rs 499/-";
}
else if (size >40)
{
z2="Rs 599/-";
}
}
if(category == "half slack" && pattern == "checked")
{
if (size >=32 && size <=36)
{
z2="Rs 379/-";
}
else if (size >36 && size <=40)
{
z2="Rs 479/-";
}
else if (size >40)
{
z2="Rs 579/-";
}
}
if(category == "casual" && pattern == "checked")
{
if (size >=32 && size <=36)
{
z2="Rs 299/-";
}
else if (size >36 && size <=40)
{
z2="Rs 379/-";
}
else if (size >40)
{
z2="Rs 399/-";
}}
}
WMLBrowser.setVar(t1,z1);
WMLBrowser.setVar(t2,z2);
WMLBrowser.refresh();
}
```

```
//
extern function showp(size,colour,category,t1,t2) {
var z1,z2;
if ( size < 32 || size >40 )
{
z1="Size does not exist";
z2="0.0";
}else if (size >=32 && size <=40)
{
z1="Size available";

if(category == "cottonspun" )
{
if (size >=32 && size <=34)
{
z2="Rs 499/-";
}
else if (size >34 && size <=36)
{
z2="Rs 599/-";
}
else if (size >36)
{
z2="Rs 699/-";
}
}

if(category == "denium")
{
if (size >=32 && size <=34)
{
z2="Rs 579/-";
}
else if (size >34 && size <=36)
{
z2="Rs 679/-";
}
else if (size >36)
{
z2="Rs 779/-";
}
}
```

```
if(category == "cargos")
{
if (size >=32 && size <=34)
{
z2="Rs 799/-";
}
else if (size >34 && size <=36)
{
z2="Rs 879/-";
}
else if (size >36)
{
z2="Rs 999/-";
}
}

if(category == "kackies")
{
if (size >=32 && size <=34)
{
z2="Rs 699/-";
}
else if (size >34 && size <=36)
{
z2="Rs 799/-";
}
else if (size >36)
{
z2="Rs 899/-";
}
}
}
WMLBrowser.setVar(t1,z1);
WMLBrowser.setVar(t2,z2);
WMLBrowser.refresh();
}
```
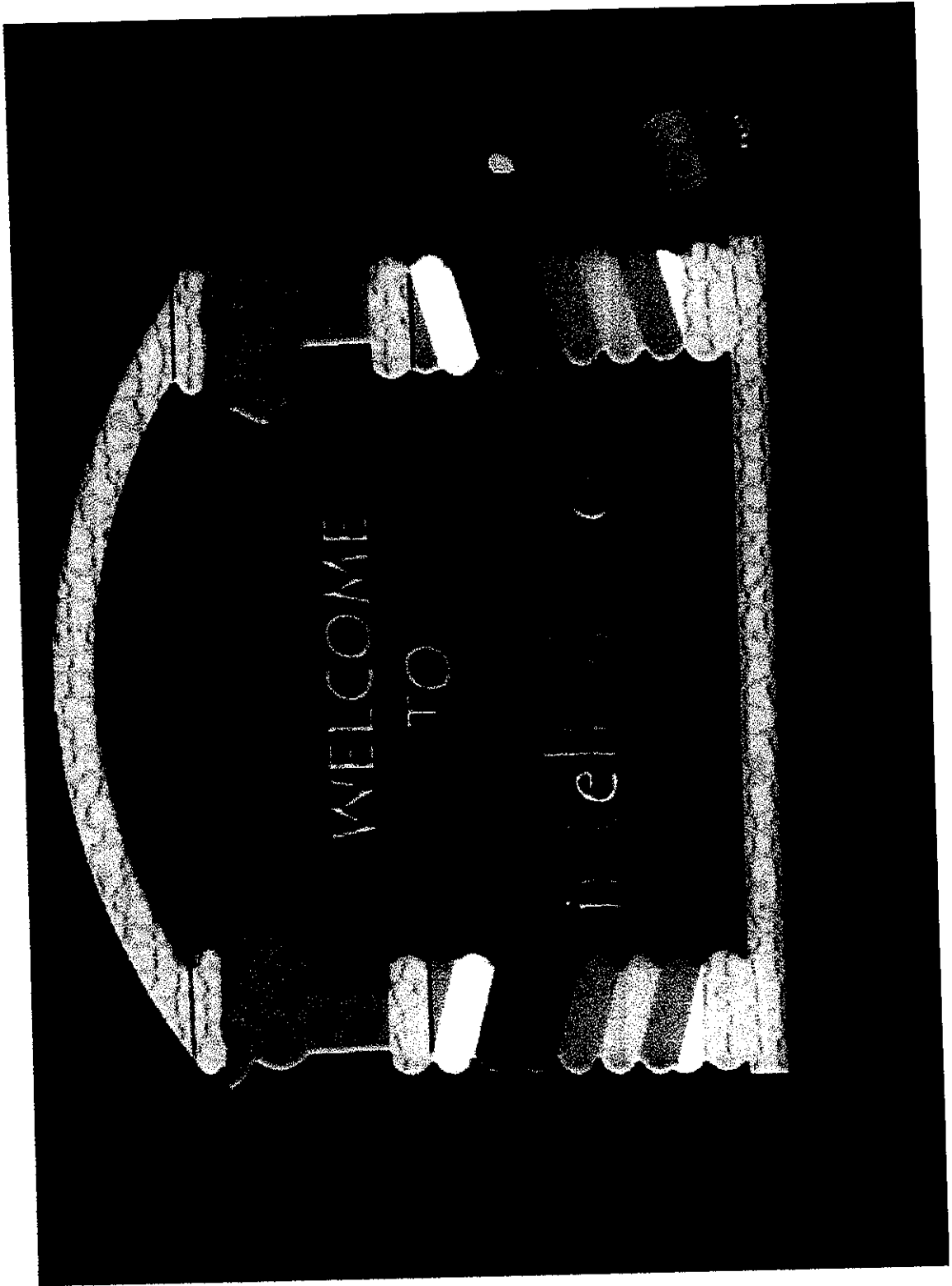
showroom

Aphrodite

Gowish Girl

Little Kid

Mans Cancer Trust

Overleaf

Wines 'n' Roses

Aphrodite.com
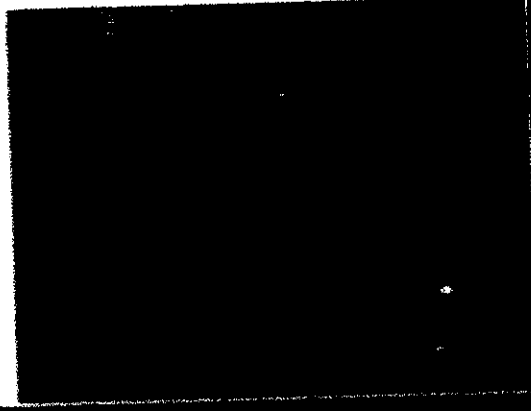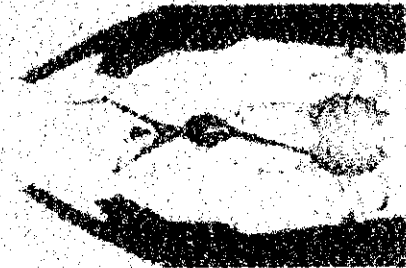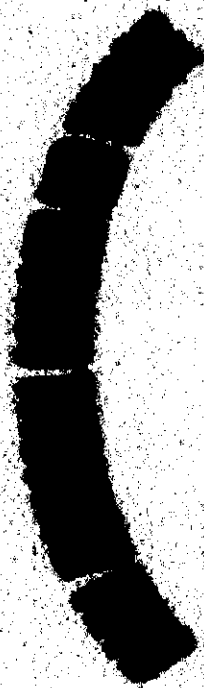
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Abouts

Activities
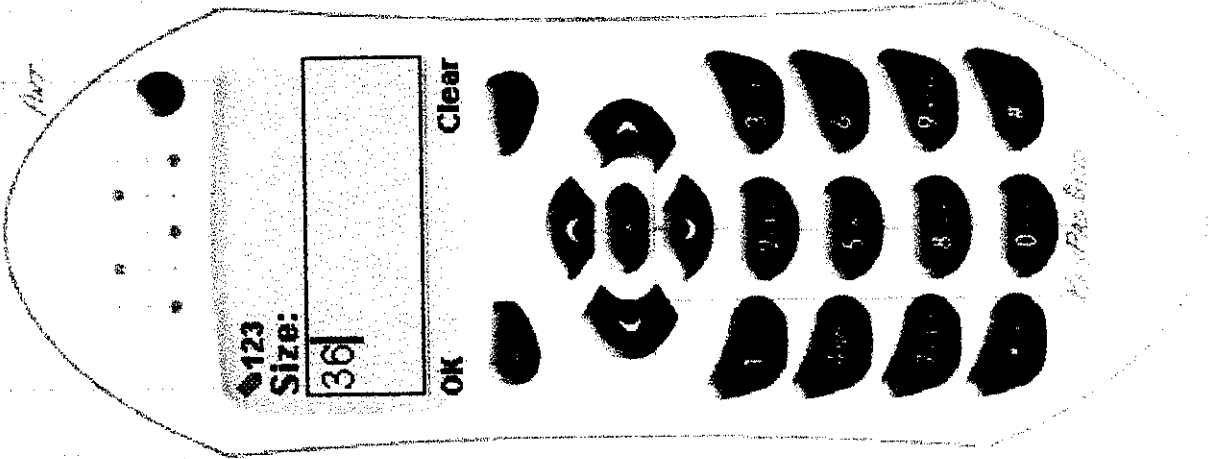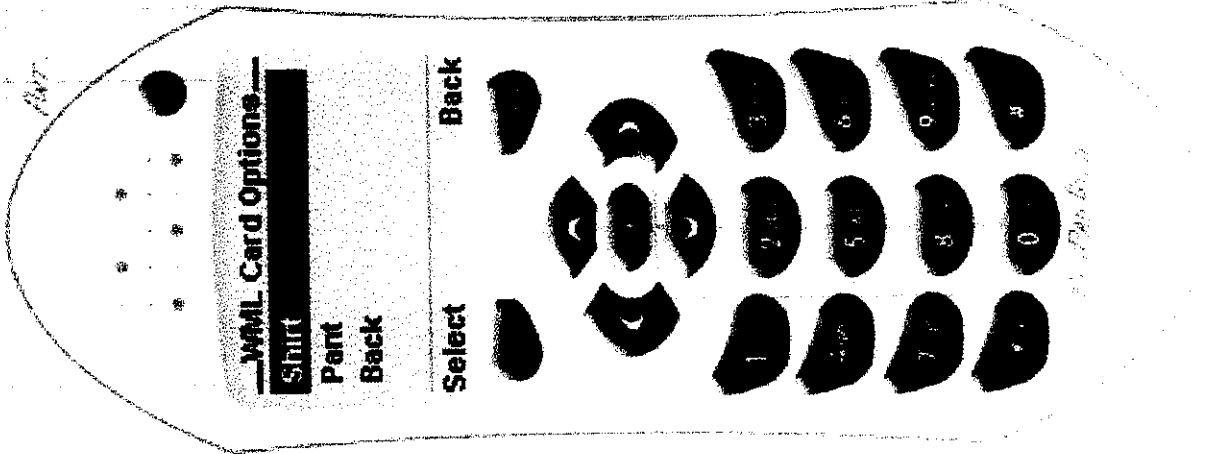
References

Mr Mahendran (A.R.Distributors)

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