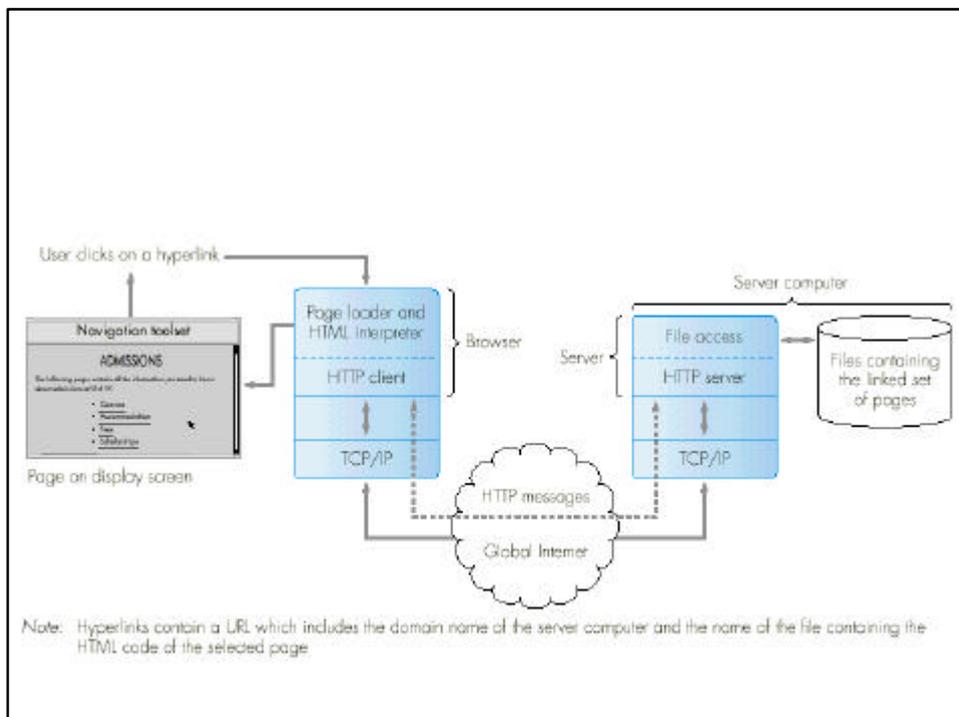
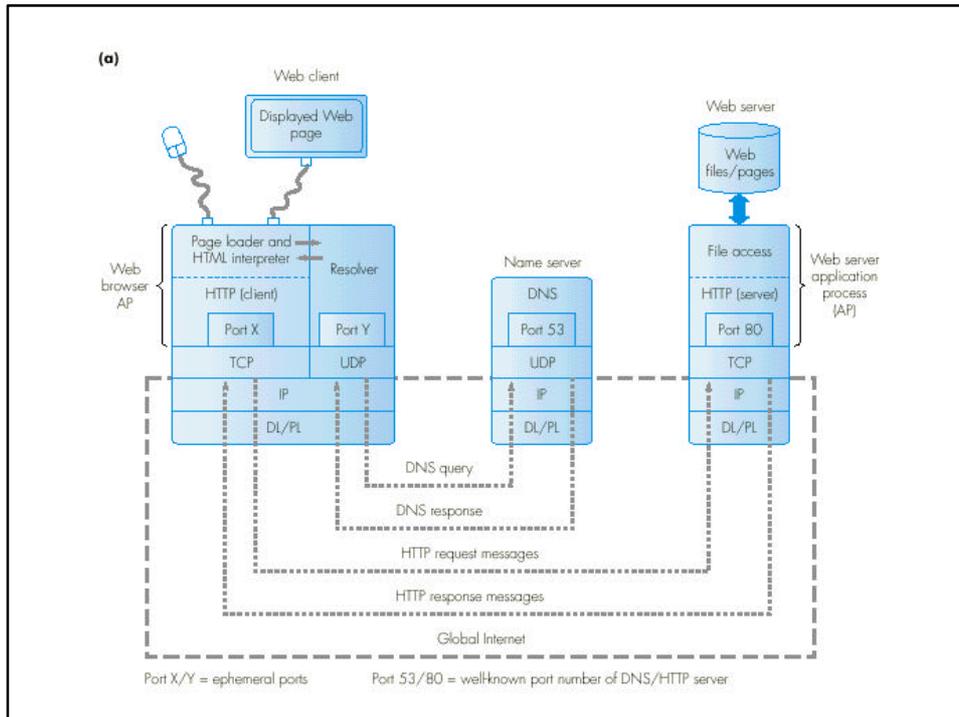


Multimédia e Comunicações

O caso da World Wide Web
conceitos e exemplos de utilização
7 de Junho de 2001

(adaptado de Fred Halsall, *Multimedia Communications*, 2001 - Addison Wesley)





(b)

HTTP	Use
GET <file name>	Read a Web page/block of data from the named file
HEAD <file name>	Read the header only of the specified Web page
PUT <file name>	Write a Web page or block of data to the named file
POST <file name>	Append a Web page/block of data to that in the named file
DELETE <file name>	Delete the named file

(a) Example request message relating to a URL of

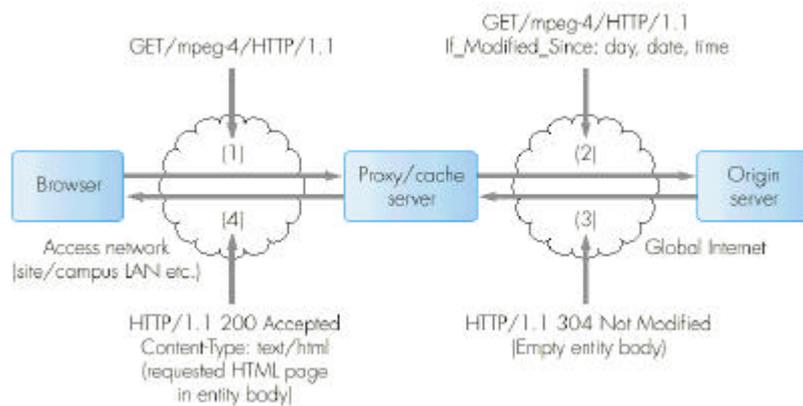
http://www.mpeg.org/mpeg-4/index.html

```
GET/mpeg-4/index.HTML HTTP/1.1
Connection:close
User-agent: Browser name/version number
Accept: text/html, image/gif, image/jpeg
```

(b) Example response message relating to this request:

```
HTTP/1.1 200 Accepted
Server: Aname
Location: www.mpeg.org
Subject: MPEG home page
Last-Modified: Day/month/year/time
Content-Type: text/html
Content-Length: 7684
```

Entity body comprising a string
of 7684 NVT ASCII characters



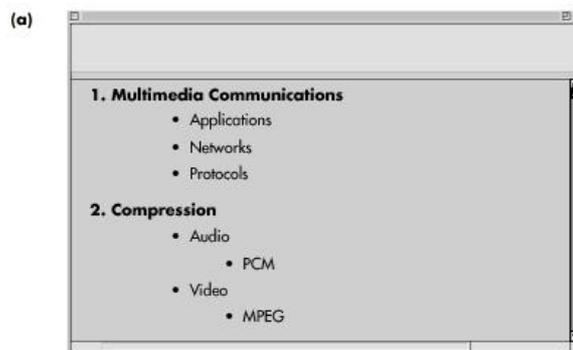


(b)

```

<HTML>
<HEAD>
<TITLE> U of W Prospectus </TITLE>
</HEAD>
<BODY>
<H1> UNIVERSITY OF WONDERLAND </H1>
<BR> Welcome to the University of Wonderland, simply click on one of the
following to find out more about:
<UL><LI><A HREF = "university"> The University </A>
<LI><A HREF = "academic"> Academic departments </A>
<LI><A HREF = "research"> Research </A>
<LI><A HREF = "admissions"> Admissions </A>
</UL>
</BODY>
</HTML>

```



(b)

```

<HTML>
<HEAD><TITLE> Lists </TITLE></HEAD>
<BODY>
<OL><LI> Multimedia Communications
<UL><LI> Applications
<LI> Networks
<LI> Protocols
</UL>
<LI> Compression
<UL><LI> Audio
<UL><LI>PCM</UL>
<LI>Video
<UL><LI>MPEG</UL>
</UL>
</OL>
</BODY></HTML>

```

(a)

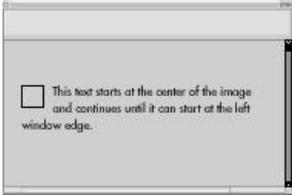


```

<BODY>
<IMG SRC = "crest.jpeg" ALIGN=LEFT><H1>UNIVERSITY OF WONDERLAND</H1>
<BR>Welcome to the ---
.
.
.
</BODY>

```

(b)

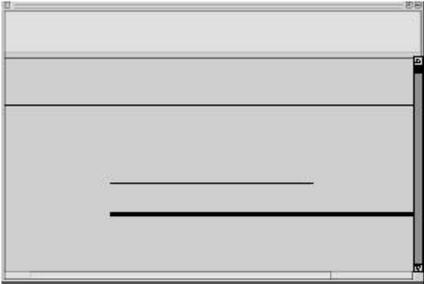


```

<BODY>
.
.
.
<IMG SRC = "image.gif" ALIGN = MIDDLE> This text starts at the center of the image and
continues until it can start at the left window edge.
.
.
.
</BODY>

```

(a)



(b)

```

<BODY>
.
.
.
<HR>
.
.
.
<HR WIDTH = 50% ALIGN = CENTER>
.
.
.
<HR SIZE = 5 WIDTH = 75% ALIGN = RIGHT>
.
.
.
</BODY>

```

(a)

Opening tag	Closing tag	Use
<TABLE>	</TABLE>	Start and end of an unboxed table
<TABLE BORDER>	</TABLE>	Start and end of a boxed table
<TR>	</TR>	Start and end of a row
<TH>	</TH>	Start and end of a heading
<TD>	</TD>	Start and end of a cell content
<CAPTION>	</CAPTION>	Start and end of a table caption

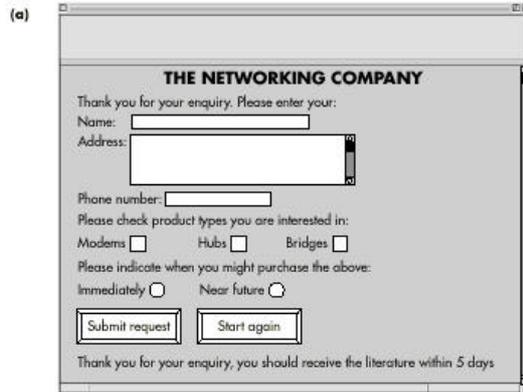
(b)

NETWORK	CO/CLS	CBR/VBR
PSTN/ISDN	co	cbr
LAN	cls	vbr
ATM	co	vbr
Internet	cls	vbr

Network operating modes

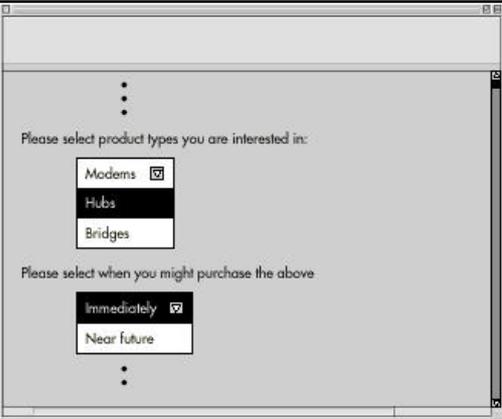
(c)

```
<HTML><HEAD><TITLE> Example table</TITLE></HEAD>
<BODY>
<TABLE BORDER ALIGN = CENTER>
<TR><TH>NETWORK</TH><TH>CO/CLS</TH><TH>CBR/VBR</TH></TR>
<TR><TD>PSTN/ISDN</TD><TD> co </TD><TD> cbr </TD></TR>
<TR><TD>LAN</TD><TD> cls </TD><TD> vbr </TD></TR>
<TR><TD>ATM</TD><TD> co </TD><TD> vbr </TD></TR>
<TR><TD> Internet </TD><TD> cls </TD><TD> vbr </TD></TR>
<CAPTION> Network operating modes </CAPTION>
</TABLE>
</BODY></HTML>
```



(b)

```
<HTML><HEAD><TITLE> literature Request </TITLE></HEAD>
<BODY>
<H1> THE NETWORKING COMPANY </H1>
<FORM ACTION = "http://www.NetCo.com/cgi-bin/literature" METHOD = POST>
Thank you for your enquiry, Please enter your: <P>
Name: <INPUT NAME = "name" SIZE = 30> <P>
Address: <TEXTAREA NAME = "address" ROWS = 3 COLS = 40> </TEXTAREA>
Phone number: <INPUT NAME = "phonenumber" SIZE = 20><P>
Please check product types you are interested in: <P>
Modems <INPUT TYPE = CHECKBOX NAME = "prodtype" VALUE = "modems">
Hubs <INPUT TYPE = CHECKBOX NAME = "prodtype" VALUE = "hubs">
Bridges <INPUT TYPE = CHECKBOX NAME = "prodtype" VALUE = "bridges"><P>
Please indicate when you might purchase the above: <P>
Immediately <INPUT TYPE = RADIO NAME = "PurchDate" VALUE = "now">
Near future <INPUT TYPE = RADIO NAME = "PurchDate" VALUE = "later"><P>
<INPUT TYPE = SUBMIT VALUE = "Submit Request">
<INPUT TYPE = RESET VALUE = "Start Again"><P>
</FORM></BODY></HTML>
```

(a) 

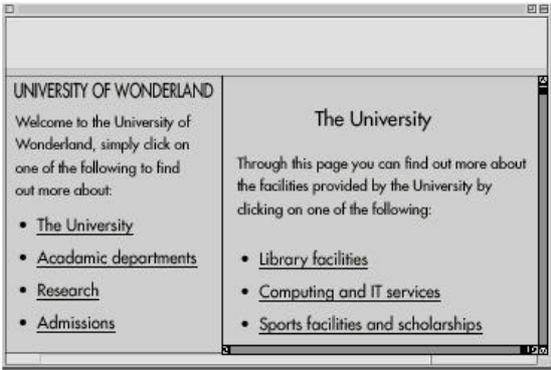
(b) •
•
•
Please select product types you are interested in: <P>
<SELECT NAME = "ProdType" MULTIPLE>
<OPTION> "Modems"
<OPTION SELECTED> "Hubs"
<OPTION> "Bridges"
</SELECT><P>
Please select when you might purchase the above:
<SELECT NAME = "PurchDate">
<OPTION SELECTED> "Immediately"
<OPTION> "Nearfuture"
</SELECT><P>
•
•
•

(a) (i) 

(ii) 

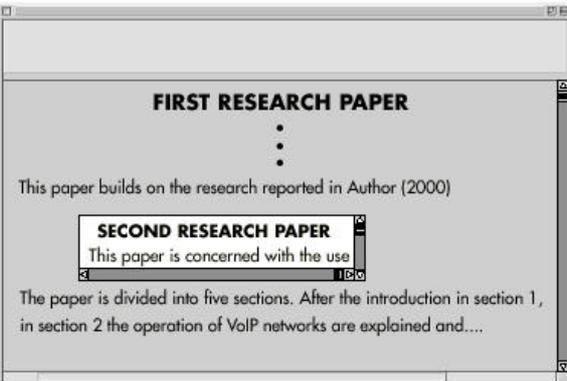
(b) (i) <HTML><HEAD><TITLE>Frames1</TITLE></HEAD>
<FRAMESET COLS = "50%, 50%">
<FRAMESET ROWS = "50%, 50%">
<FRAME SRC = "URL/local file name of the page to be displayed in the top-left frame">
<FRAME SRC = "URL/local file name of the page to be displayed in the bottom-left frame">
<FRAME SRC = "URL/local file name of the page to be displayed in the right frame">
</FRAMESET></HTML>

(ii) <HTML><HEAD><TITLE>Frames2</TITLE></HEAD>
<FRAMESET COLS = "50%, 50%">
<FRAME SRC = "URL/local file name of the page to be displayed in the left frame">
<FRAMESET ROWS = "50%, 50%">
<FRAME SRC = "URL/local file name of the page to be displayed in the topright frame">
<FRAME SRC = "URL/local file name of the page to be displayed in the bottomright frame">
</FRAMESET></HTML>

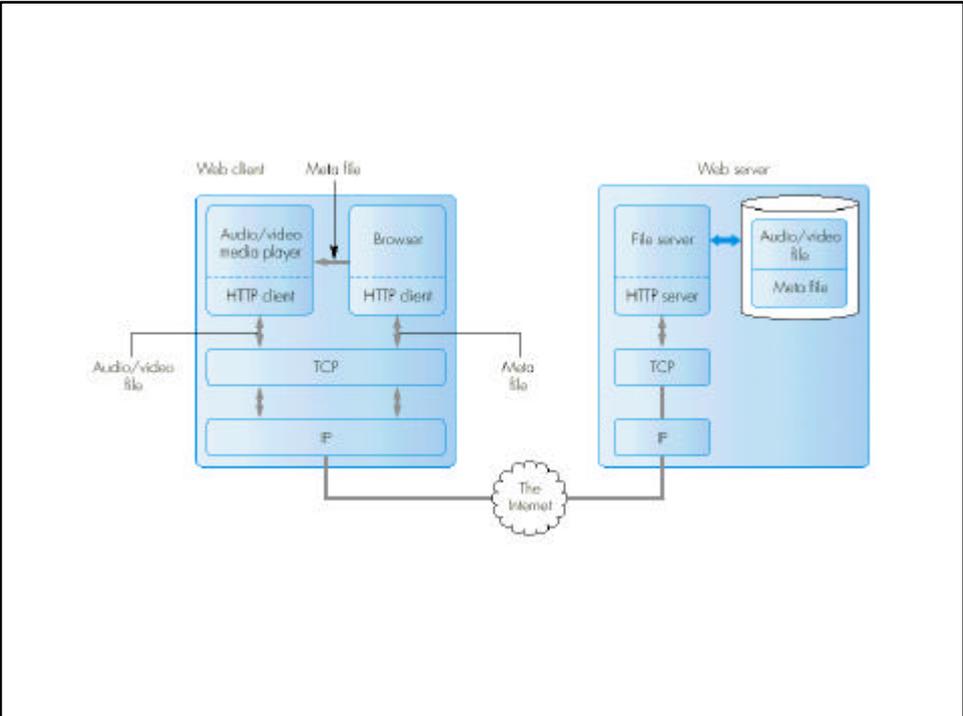
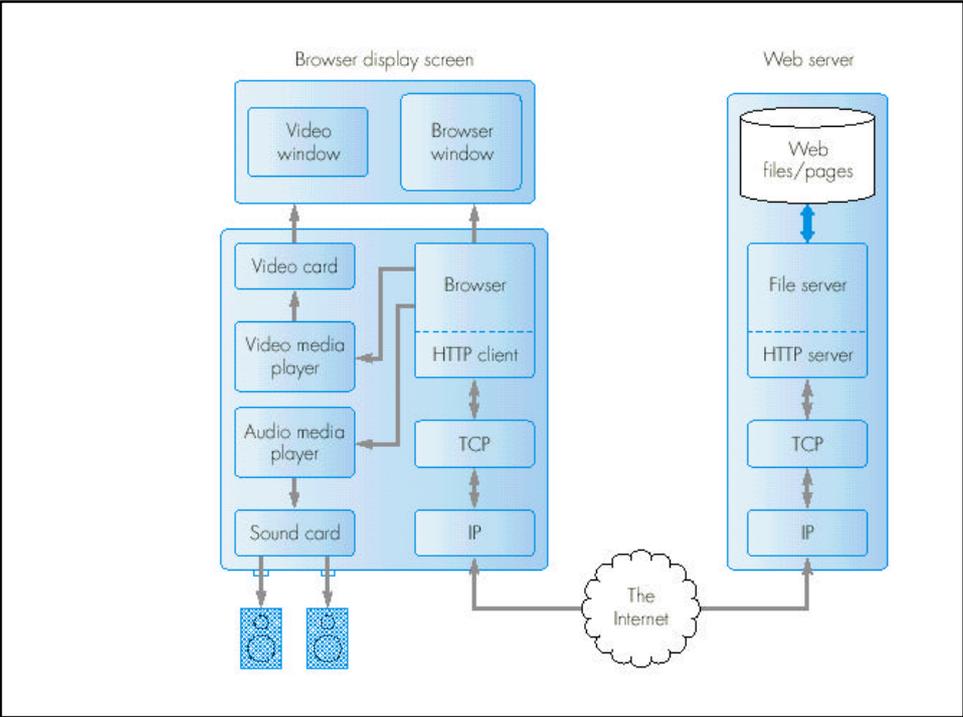
(a) 

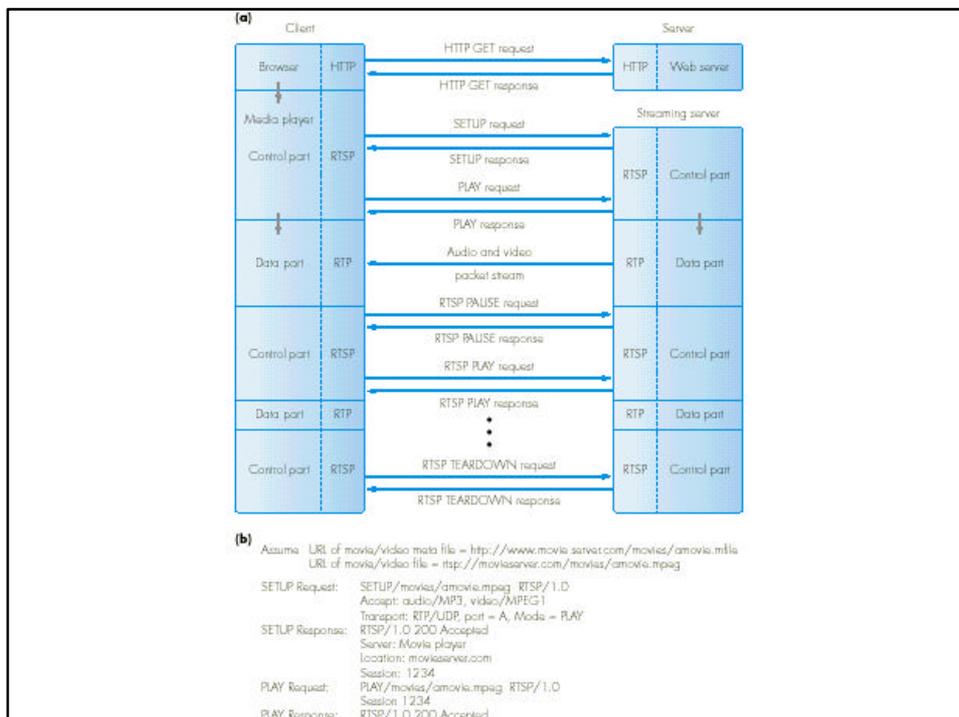
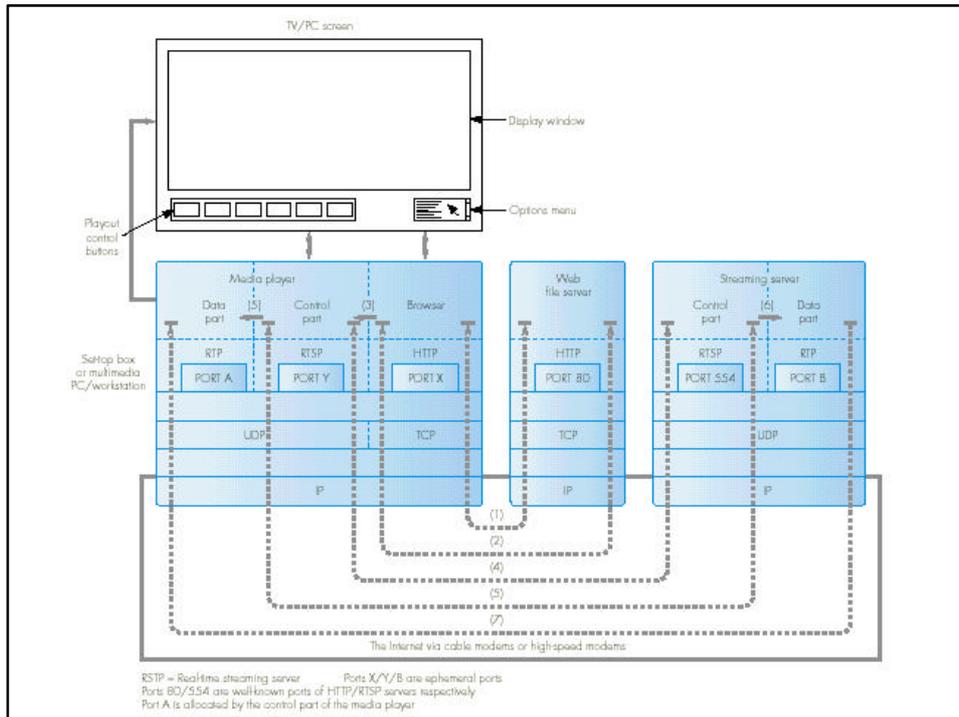
(b) `<HTML><HEAD><TITLE> Frames2 </TITLE></HEAD>
<FRAMESET COLS = "35%, 65%">
<FRAME SRC = "http://www.UoW.edu">
<FRAME SRC = "university" NAME = "right">
</FRAMESET></HTML>`

(c) ` The University
 Admissions
`

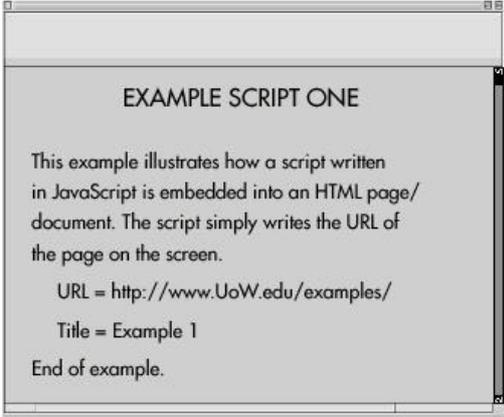
(a) 

(b) `<HTML><HEAD><TITLE> In-line frames </TITLE></HEAD>
<BODY>
<H1> FIRST RESEARCH PAPER </H1><P>
:
:
This paper builds on the research reported in Author (2000) <P>
<IFRAME SRC = " URL of page Author (2000)" WIDTH = "600" HEIGHT = "200"
FRAMEBORDER = "1"></IFRAME><P>
The paper is divided into five sections. After the introduction in section 1, in section 2 the
operation of VoIP networks are explained and....
:
:
</BODY>`





(a)



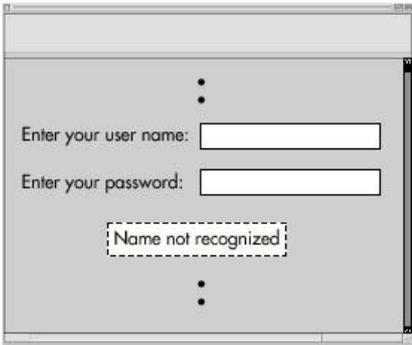
(b)

```

<HTML><TITLE> Example 1 </TITLE>
<BODY>
<H1> EXAMPLE SCRIPT ONE </H1>
This example illustrates how a script written in JavaScript is embedded
into an HTML page/document. The script simply writes the URL of the page
on the screen: <P>
<SCRIPT LANGUAGE = "JavaScript">
document.write ("URL =", document.URL) <P>
document.write ("Title =", document.title) </SCRIPT>
<P> End of example.
</BODY></HTML>

```

(a)



(b)

```

.
.
<FORM>
Enter your user name: <INPUT NAME = "username" onBlur = "checkname (username.value)">
Enter your password: <INPUT NAME = "password" onBlur = "checkpassword (password.value)">
</FORM>
.
.
<SCRIPT>
function checkname (aname)
{if(aname! = "myname") window.alert ("Name not recognized")}
function check password (apassword)
{if (apassword! = "mypassword") window.alert ("Wrong password")}
</SCRIPT>

```

