

HTML 5

Cuprins

- ▶ Cate ceva despre DEEP si DARK WEB
- ▶ Structura unei pagini HTML
- ▶ Tabele ca mijloc de formatare
- ▶ Formulare în HTML (introducerea de date)
- ▶ Interfața
- ▶ Odihneasca-se in pace
 - ▶ Framesets și Frames
 - ▶ Dynamic HTML (DHTML)

O întrebare pe care o punem toți (webiștii)

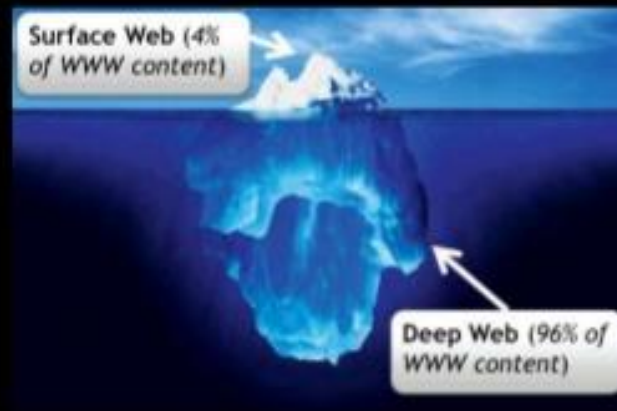
► Is it safe to browse the dark web?

- I don't want to piss off authorities. I understand there is a lot of black market/illegal content there, but I'm mainly curious to see what the hell 'the deep web' is. Not interested in any of the illegal content.

Cate ceva despre DEEP si DARK WEB

WHAT IS THE DARK WEB?

The dark web, also known as the deep web, makes up a large portion of the internet. The dark web contains information not searchable by traditional search engines such as Google because the websites contained in the dark web are not indexed and are therefore not easily traceable.



SURFACE WEB

Wikipedia Google Bing

DEEP WEB

Academic Information
Medical Records
Legal Documents
Scientific Reports
Subscription Information

Multilingual Databases
Conference Proceedings
Government Resources
Competitor Websites
Organization-specific
Repositories

DARK WEB

Illegal Information
TOR-Encrypted sites

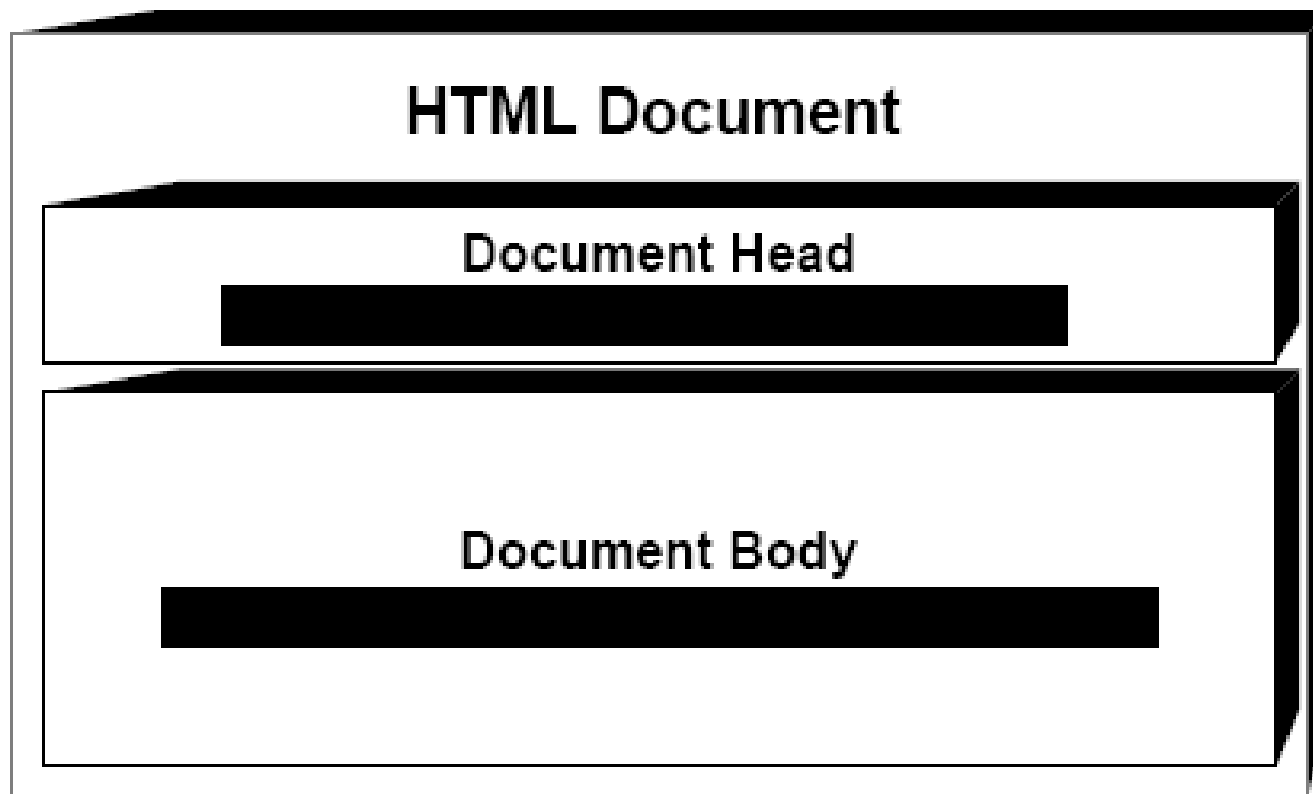
Drug Trafficking sites
Private Communications

Eu nu recomand!!!!

- ▶ <https://www.quora.com/Is-it-safe-to-browse-the-dark-web>

... dar sunteți majori, vaccinați și (încă) liberi

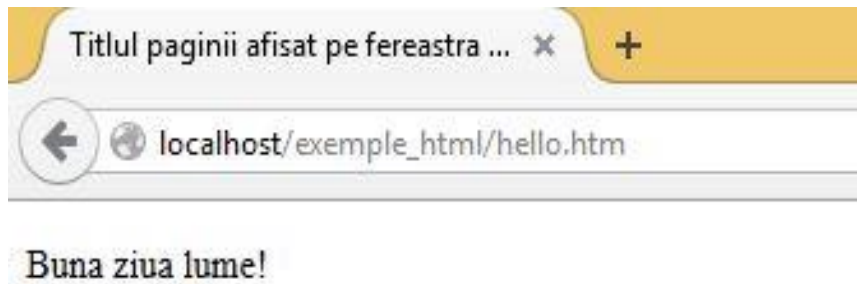
Structura unei pagini HTML (1)



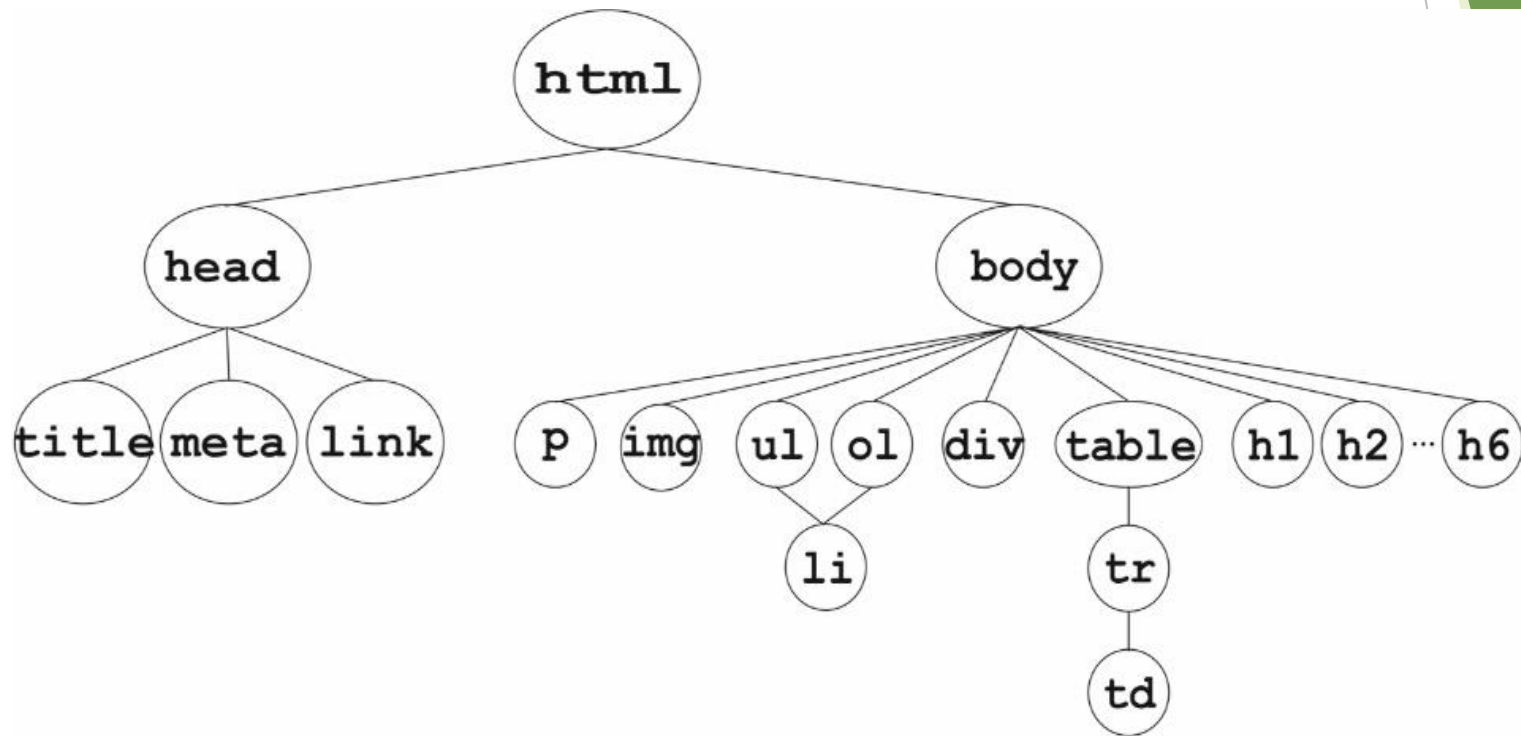
Structura standard html5

Standardul HTML5

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title> Titlul paginii afisat pe
    fereastră browserului </title>
  </head>
  <body>
    <p> Buna ziua lume!</p>
  </body>
</html>
```



DOM html



Atributele tag-urilor

```
<nume_tag atr=ceva> bla, bla </nume_tag>
```

```
<nume_tag atr="ceva ceva"> bla, bla  
</nume_tag>
```

Elemente - HEAD

- ▶ Titlul documentului: **<title>**
 - ▶ ca titlul pentru ferestre
- ▶ Adresa de baza: **<base>**
 - ▶ importanta pentru interpretarea UR-urilor relative
 - ▶

```
<head>  
<base href="http://www.w3schools.com/images/" />  
</head>
```
- ▶ Link spre alte resurse: **<link>**
 - ▶ importanta pentru relatii intre resurse
- ▶ Style Sheets: **<style>**
- ▶ Tag-uri care marcează inserarea de scripturi care se execută la nivel de browser: **<script>**
- ▶ Meta-Informatie: **<META>**



Meta - informatie

- ▶ `<meta name="resource-type" content="document">`
- ▶ `< meta name="description" content="a description of your page">`
- ▶ `<meta name="keywords" content="a, list, of, keywords">`
- ▶ `<meta name="distribution" content="one of several">`
- ▶ `<meta name="copyright" content="copyright statement"`
- ▶ `<meta HTTP-EQUIV="varname" content="data"`
- ▶ `<meta HTTP-EQUIV="refresh" content="0; url=homepage.htm"`

Ex. www.ulbsibiu.ro

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
<head>
<meta http-equiv="reply-to" content="webmaster@ulbsibiu.ro">
<meta content="Centrul de Comunicații al ULBS" name=author>
<meta content="ULBS - Universitatea 'Lucian Blaga' - Sibiu"
  name=description>
<meta content="ULBS - Centrul de Comunicații" name=copyright>
<meta content="General " name=rating>
<meta content="ALL" name=robots>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<meta http-equiv="pics-label" content='(pics-1.1
  "http://www.icra.org/ratingsv02.html" l gen true for
  "www.ulbsibiu.ro" r (nz 1 vu 1 lz 1 oz 1 cb 1 )
  "http://www.rsac.org/ratingsv01.html" l gen true for
  "www.ulbsibiu.ro" r (n 0 s 0 v 0 l 0 ))'>
<meta http-equiv="author" content="Centrul de Comunicatii al ULBS,
  Zeno POPOVICI, Eduard STOICA">
```

Ex. www.ulbsibiu.ro

```
<meta http-equiv="keywords" content="Universitatea Lucian  
Blaga, Lucian Blaga University, Romania, Faculties,  
Education, Educatie, Universitate, Sibiu, Invatamant,  
Facultate, Litere, Istorie, Jurnalistica, Rectorat, Burse,  
Profesori, Studenti, SAIAPM, Stiinte">  
  
<meta http-equiv="imagetoolbar" content="no"> <meta name="no-  
email-collection"  
content="http://www.ulbsibiu.ro/ro/disclaimer/index.php">  
  
<meta name="verify-v1"  
content="Nod7kiQ/HI+E9XJ4mCIZXHo8SpwTwyVziKUJ475bR0s=">  
  
<meta name="y_key" content="6ed3ba97ba27526f">  
  
<meta name="msvalidate.01"  
content="B7C93888DCCE407CBE21D7CE86E5DEB8">  
  
<title>:: U L B S :: Universitatea &quot;Lucian Blaga&quot; din  
Sibiu</title>  
  
<link rel="SHORTCUT ICON"  
href="http://www.ulbsibiu.ro/obj/img/other/favicon.ico">  
  
<link rel="stylesheet" type="text/css"  
href="/obj/src/global.css">  
  
<link rel="alternate" type="application/rss+xml"
```

Elemente - BODY

- ▶ Titluri (heading-uri) `<h1>` - `<h6>`
- ▶ Paragrafe `<p>`, salt la rand nou `<br />`
- ▶ Liste (ordonate `<ol>` și neordonate `<ul>`)
- ▶ Hyperlink-uri `<a>.....</a>`
- ▶ Linii orizontale `<hr />` `<vr /> (?)`

- ▶ Tabele
`<table><tr><td>baburiba</td></tr></table>`
- ▶ Imagini ``
- ▶ Obiecte externe (de ex. Applets)
- ▶ Formulare

Tabele - Tag-uri

- ▶ **<table>, <caption>, <tr>, <th>, <td>**

```
<table border="1"><caption>Acesta este titlul  
tabelului</caption>
```

```
<tr><th>Numarul 1 </th>
```

```
<th>numarul 2</th></tr>
```

```
<tr><td>1 unu </td>
```

```
<td>2doi</td></tr></table>
```

- ▶ Desenarea marginilor cu BORDER

- ▶ latimea in procente sau pixeli (WIDTH)

- ▶ distanta dintre celule (CELLSPACING)

- ▶ distanta textului de la marginea celulei (CELLPADDING)

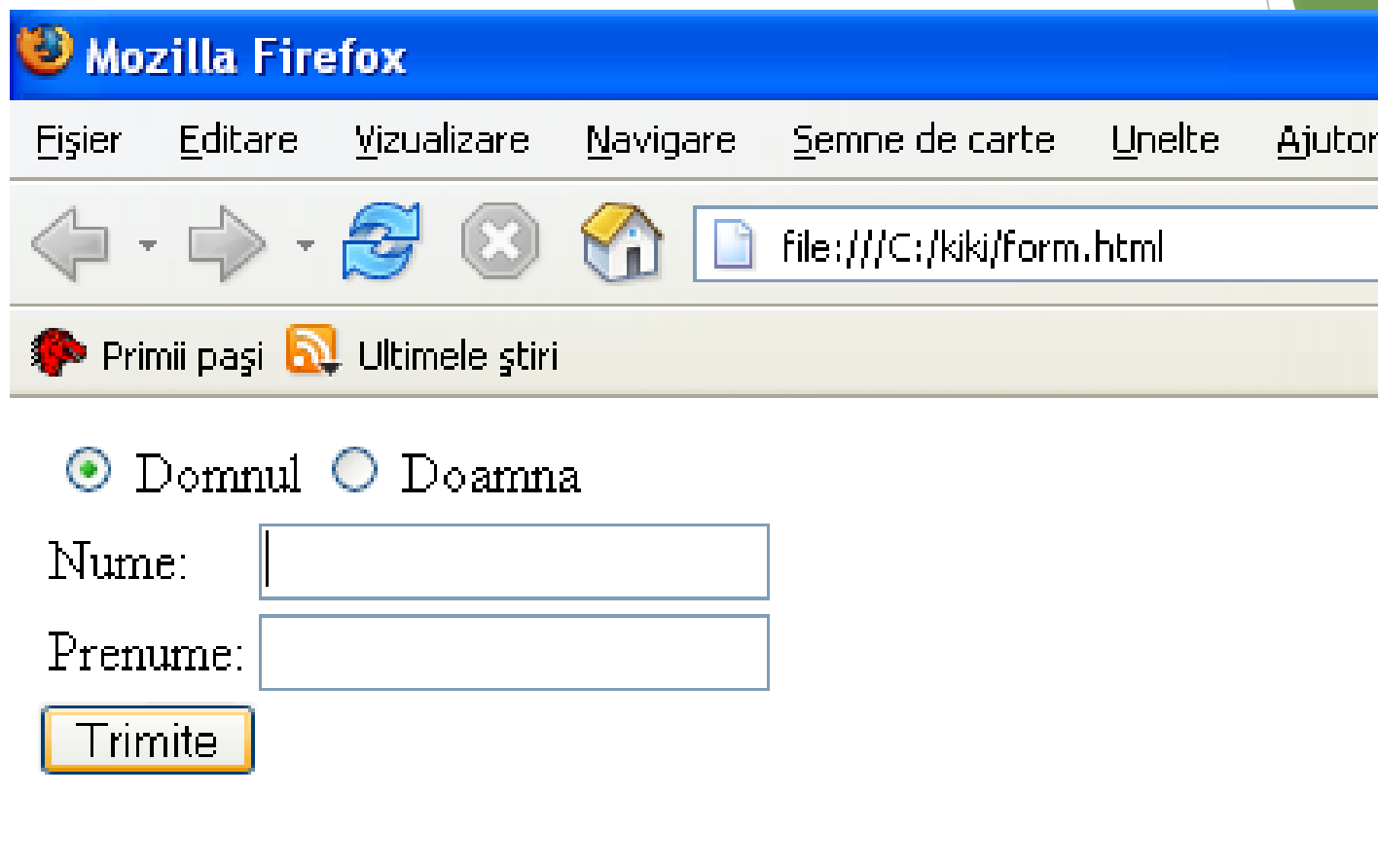
- ▶ COLSPAN si ROWSPAN (<th>, <td>)



Formulare HTML

- ▶ fac posibila introducerea/preluarea de date
- ▶ au nevoie de un script care sa le execute
- ▶ `<form action="URL" <!scriptul care se va executa>`
- ▶ `method="GET"/"POST"` <!determină metoda de trimitere a datelor>
- ▶ `<input />` defineste elemente de introducere
- ▶ `<textarea>` pt text pe mai multe randuri
- ▶ `<select>` defineste liste de optiuni
- ▶ se accepta și alte elemente html

Exemplu de formular



The screenshot shows a Mozilla Firefox browser window. The title bar reads "Mozilla Firefox". The menu bar includes "Fișier", "Editare", "Vizualizare", "Navigare", "Semne de carte", "Unelte", and "Ajutor". The address bar shows the file path "file:///C:/kiki/form.html". Below the address bar, there are links for "Primii pași" and "Ultimele știri". The main content area displays a form with two radio buttons: "Domnul" (selected) and "Doamna". Below these are two text input fields labeled "Nume:" and "Prenume:". At the bottom of the form is a "Trimite" button.

☒ Domnul ☐ Doamna

Nume:

Prenume:

Formular

```
<form action=formular.php method=get>
<table>
  <tr>
    <td colspan=2>
      <input type=radio name=a value=domn /> domnul
      <INPUT type=radio name=a value=doa /> doamna
      <!-- in continuare in standardul XHTML1.0>
    <tr>
      <td>Nume:
      <td><input type="text" name="nu" size="20" >
    </tr>
    <tr>
      <td>Prenume:
      <td><input type="text" name="pre" size="20">
    </tr>
  </table>
  <input type="submit" value="Trimite"/>
</form>
```

Ceva erori?

Formular

...

```
<?php
```

```
$nume= $_GET['Nu'];
```

```
$prenume= $_GET['Pre'];
```

```
$titlu= $_GET['A'];
```

```
if ($titlu=="Do")
```

```
echo "Domnul";
```

```
else
```

```
echo "Doamna";
```

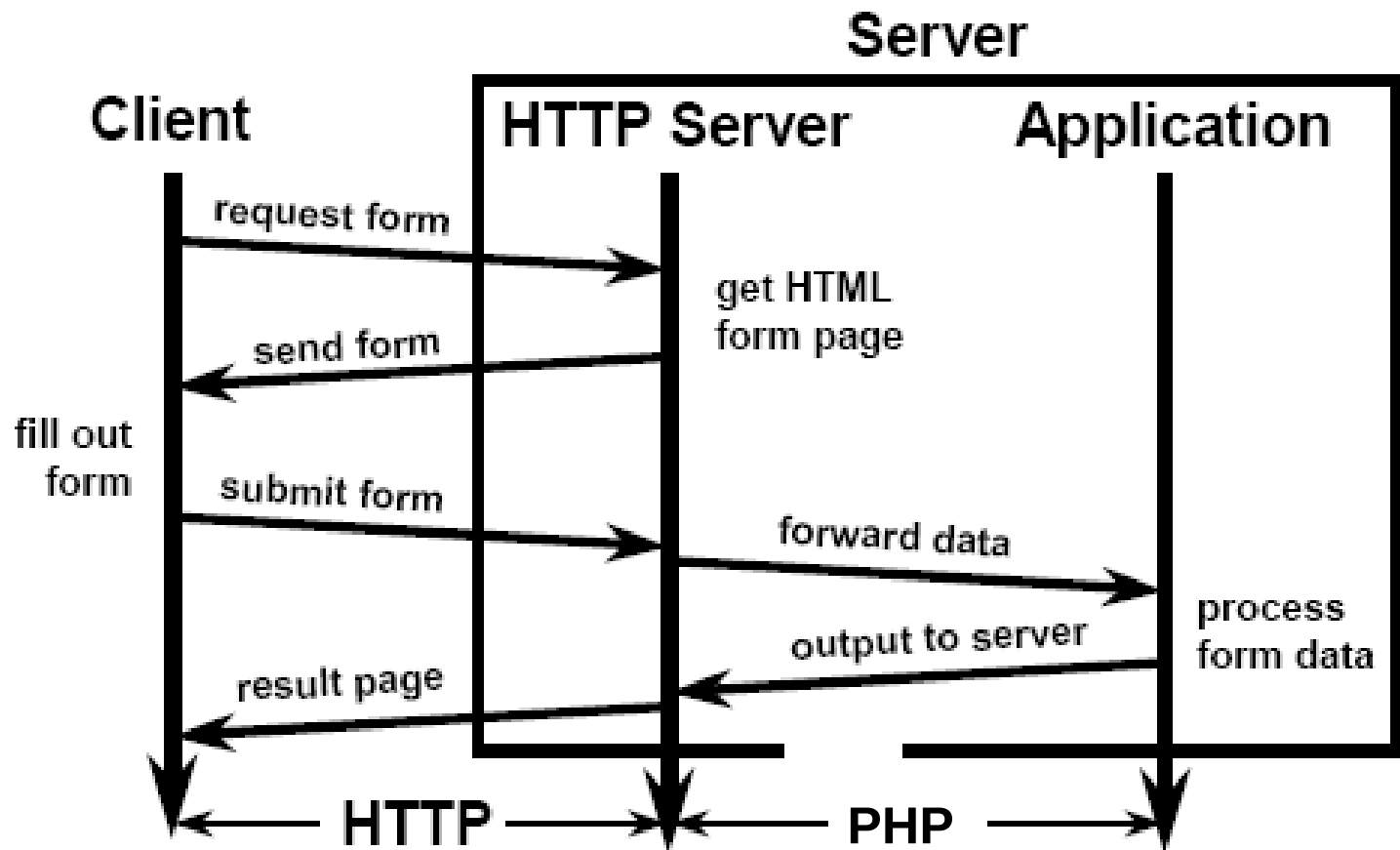
```
echo "Numele este:" $nume;
```

```
echo "Prenumele este:" $prenume;
```

```
?>
```

...

Form Handling



Să nu vă prind cu așa ceva!!!!!! Frame-uri

```
<frameset rows="33%,33%,33%">
  <frameset cols="50%,50%">
    <frame src="" name="fr1">
    <frame src="" name="fr2">
  </frameset>
  <frame src="" name="fr3">
  <frame src="" name="fr4">
</frameset>
<noframes><body>
...contents to display in
non-frame-capable user agent...
</body></noframes>
```

frame1	frame2
frame3	
frame4	

Probleme cu frame-urile

- ▶ mult timp nestandard HTML
- ▶ preluate doar în HTML 4.0
- ▶ nu toate browser-ele le suportă
- ▶ reprezentarea problematică
 - ▶ scroll
 - ▶ rezolutii mici!!!
- ▶ Probleme cu Search Engines
 - ▶ Framesets sunt de obicei ignorate
- ▶ Concluzie: A se folosi cu “grija”