

Website Design Principles Cont..

5. Visual hierarchy

- ✓ Visual hierarchy is the arrangement of elements in order of importance

size, colour, imagery, contrast, typographically, whitespace, texture and style

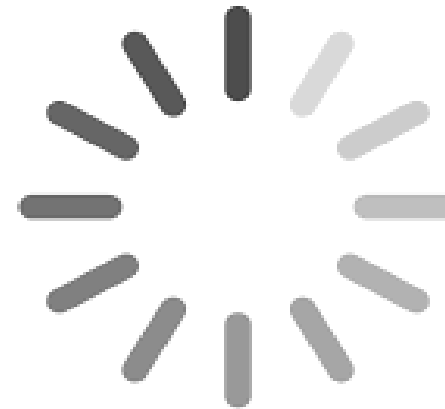
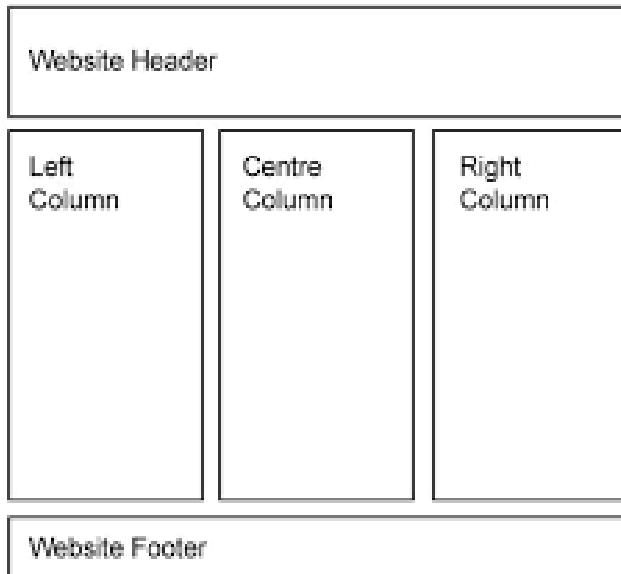
• 6. Content

- ✓ great content
- ✓ good use of language

Website Design Principles Cont...

7. Grid based layout

8. Time Load



Loading...

Website Design Principles Cont..

9. Mobile friendly

✓ Responsive design



WEB DEVELOPMENT TOOLS

1. Web editors

- Note pad, Notepad++ and offline editors (dream weaver)



WEB DEVELOPMENT TOOLS Cont...

- Image and multimedia compression software
- Irfan view and picture manager (office)



3. Sound and video compression software

- The Blaze Media Pro software

4. Web browser

 <p>Dolphin Browser Dolphin Browser</p> <p>★★★★★</p>	 <p>Firefox-Browser für Mozilla</p> <p>★★★★★</p>	 <p>Android Browser Digital Cookies</p> <p>★★★★ KOSTENLOS</p>	 <p>Mobiler Web-Browser Opera Software ASA</p> <p>★★★★★</p>	 <p>Next Browser für Android BO Launcher Dev Team</p> <p>★★★★ KOSTENLOS</p>	 <p>UC Browser for Android UCWeb Inc.</p> <p>★★★★★</p>	 <p>Opera-Browser für Android Opera Software ASA</p> <p>★★★★★</p>	 <p>Chrome-Browser Google Inc.</p> <p>★★★★★</p>
 <p>Maxthon Web Browser Maxthon Browser</p> <p>★★★★ KOSTENLOS</p>	 <p>Baidu Browser Baidu Inc.</p> <p>★★★★ KOSTENLOS</p>	 <p>Ninesky Browser ninesky.com</p> <p>★★★★ KOSTENLOS</p>	 <p>ONE Browser Tencent Mobile Interna</p> <p>★★★★ KOSTENLOS</p>	 <p>Boat Browser for Android Boat Browser</p> <p>★★★★ KOSTENLOS</p>	 <p>Dolphin Browser Mini Dolphin Browser</p> <p>★★★★ KOSTENLOS</p>	 <p>Yandex Browser Rugenc</p> <p>★★★★ KOSTENLOS</p>	 <p>Browser für Android Easysoft</p> <p>★★★★ KOSTENLOS</p>
 <p>Boat Browser Mini Boat Browser</p> <p>★★★★ KOSTENLOS</p>	 <p>Root Browser Jifunny Apps Inc.</p> <p>★★★★ KOSTENLOS</p>	 <p>Tint Browser Anasthase</p> <p>★★★★ KOSTENLOS</p>	 <p>Habit Browser mura.k</p> <p>★★★★ KOSTENLOS</p>	 <p>Super Fast Browser ironSource</p> <p>★★★★ KOSTENLOS</p>	 <p>Einfach Browser Easy Software</p> <p>★★★★ KOSTENLOS</p>	 <p>UC Browser HD For Android UCWeb Inc.</p> <p>★★★★★</p>	 <p>FlashFox - Flash Browser Mobius Networks</p> <p>★★★★ KOSTENLOS</p>

Introduction HTML5

- The letters HTML5 stand for Hyper Text Markup Language five.
- It is not a full-fledged programming language but a text formatting language
- It is however, a foundation language used in designing all manner of websites (namely [static](#) and [dynamic websites](#)).

Introduction HTML5 Cont...

- ❑ It is a language that is used in formatting the contents of any website.
- ❑ Unlike procedural programming languages such C++ and Java, HTML5 is a markup language that specifies the format of the text that is displayed in a web browser.
- ❑ HTML5 is a living web language for the World Wide Web Consortium and WHATWG

Markup languages makeup

- All markup languages are made of **tags**; contents are nested between the tags
- A tag begins with “<” and ends with “>” **sign**

Example

*<p>, <h>,
*

Markup languages makeup Cont..

- These tags are either **paired or standalone** tags
- Paired tags come as a pair of two

Example

```
<p>contents </p>
```

```
<li> contents</li>
```

Markup languages makeup Cont..

- Standalone tags are single tags but carries / symbol before the closing greater than symbol

Example

<hr>

Markup languages makeup Cont..

- Tags do have **attributes** that describe them
- These attributes have **values**
- For paired tags these attributes and values are placed in the opening tag

Example

```
<body color="blue">
```

```
</body>
```

```
<hr background-color="#1100ff">
```

Historical background of HTML5

- HTML 5 grew independently of the W3C
- Developed by **WHATWG**
- HTML5 stands for Hyper Text Markup Language 5.
- It is similar to **XHTML**; the latest version of XHTML which HTML5 has replaced
- The WHATWG and W3C are managing HTML5 and it has been declared a living standard

Historical background of HTML5

Cont...

- XHTML replaced HTML 4.01.
- HTML replaced SGML (Standard General Markup Language)

Differences between HTML5 and XHTML

- ✓ While XHTML is case sensitive, HTML5 is not (HTML is also case insensitive).
- ✓ HTML5 has a much simpler doctype than XHTML and HTML (Doctypes tell the browser how to interpret the data).
- ✓ HTML5 is compatible with all browsers while XHTML isn't.
- ✓ HTML5 is more lenient, following the footsteps of HTML4, than XHTML.
- ✓ HTML5 is better suited for mobile devices such as tablets and phones, while XHTML is better suited for computer screens.
- ✓ New elements such as picture, article, section, video etc have been introduced in HTML5.
- ✓ HTML5 also has native support for vector graphics, so, there is no need of third-party software such as Adobe Flash.

Structure of a web page

```
<!DOCTYPE html>  
<html>  
  <head>  
    <meta charset="UTF-8">  
    <title>Title of the document</title>  
  </head>  
  
  <body>  
    Content of the document.....  
  </body>  
  
</html>
```

Structure of a web page cont...

- The contents of the web page will be nested in the body tag and they will be structured under **container** elements below:

