

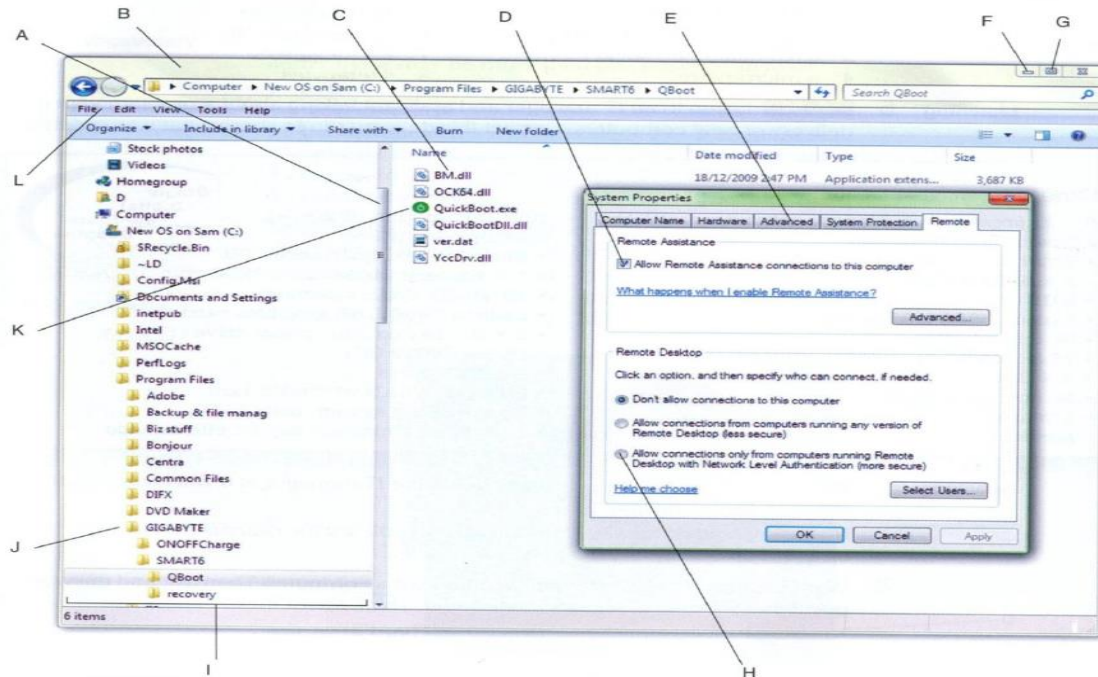
## **UNIDAD 5: GRAPHICAL USER INTERFACE, HARDWARE, SOFTWARE AND WEBSITES**

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# 1. GRAPHICAL USER INTERFACE (GUI)

At this point we will study the parts of the graphical user interface. These parts are:

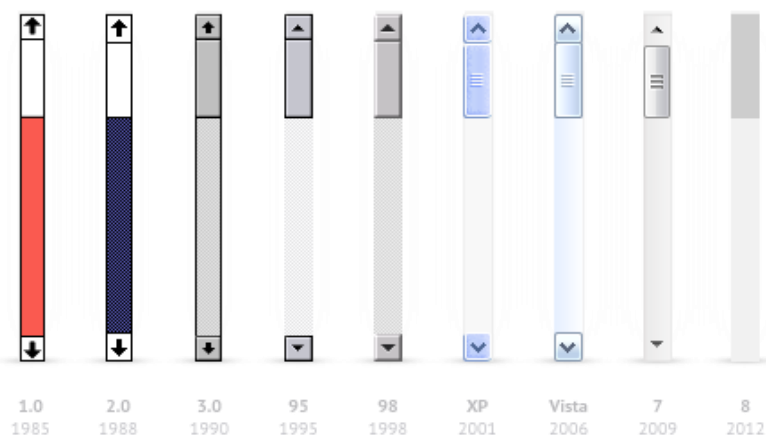


Graphical user interface.

## A. Scroll bar

**Function:** Scroll in a predetermined direction (up, down, left, or right) on a computer display, window, or viewport so that all of the content can be viewed.

**Translation:** Barra de desplazamiento



Scroll bar

## B. Title bar

**Function:** Display the title of the software, name of the current document, or other text identifying the contents of that window.

**Translation:** Barra de título

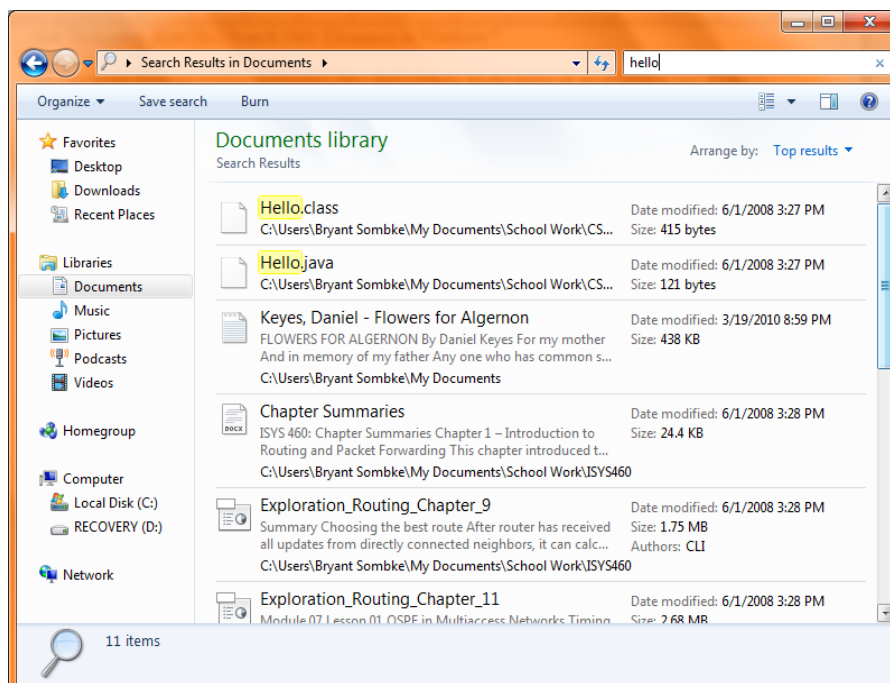


Title bar

## C. File

**Function:** Store data.

**Translation:** Archivo

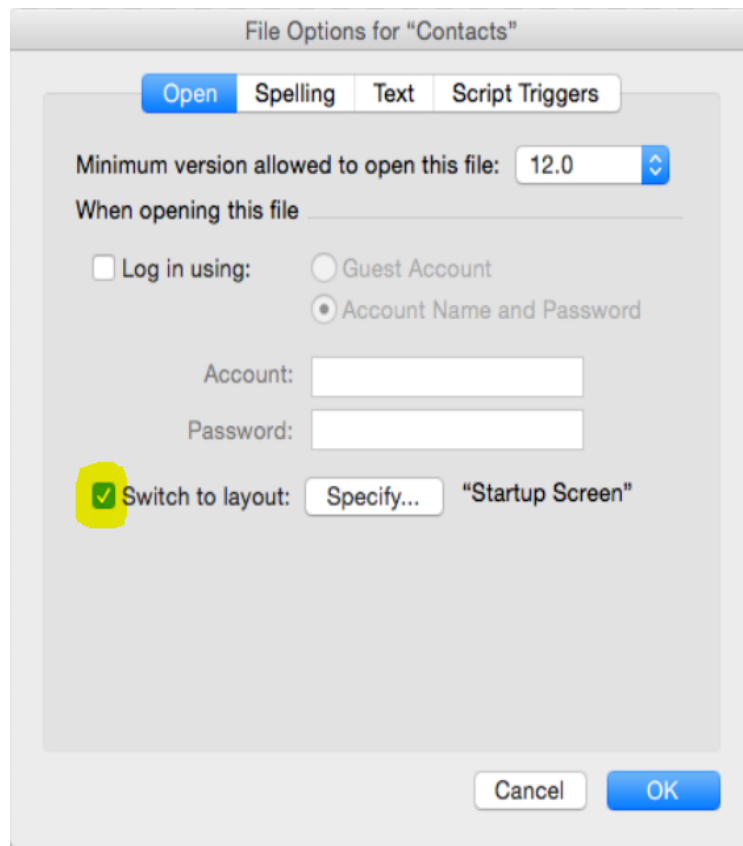


File

## D. Check Box

**Function:** Permits the user to make a binary choice.

**Translation:** Casilla de verificación



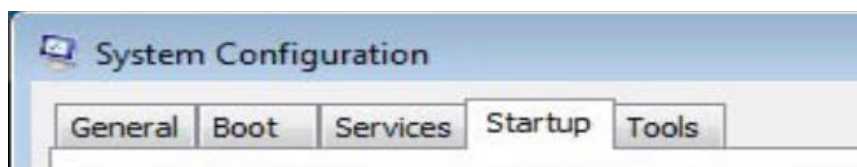
Check Box

## E. Tab

**Function: Allow** multiple documents or panels to be contained within a single window.

**Switching** between them.

**Translation:** Pestaña



Tab

## F y G. Minimise/ize - Maximise/ize buttons

**Function:**

Max → expand the window to cover the whole screen.

Min → disappear into the taskbar at the bottom of the screen.

**Translation:** Botones de minimizar y maximizar.

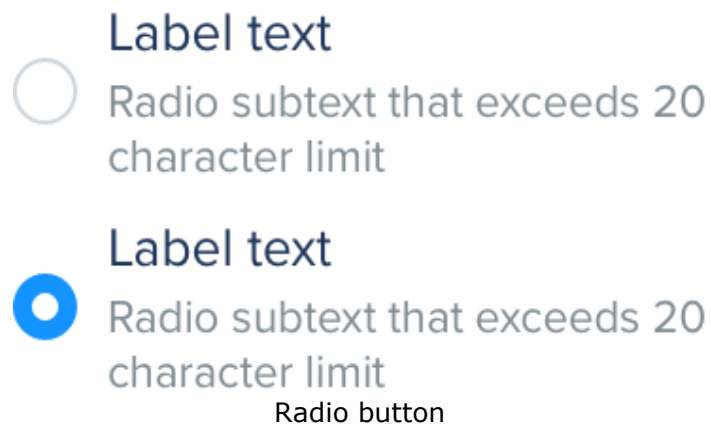


Maximise/ize button

## H. Radio button

**Function:** Choose only one of a predefined set of mutually exclusive options.

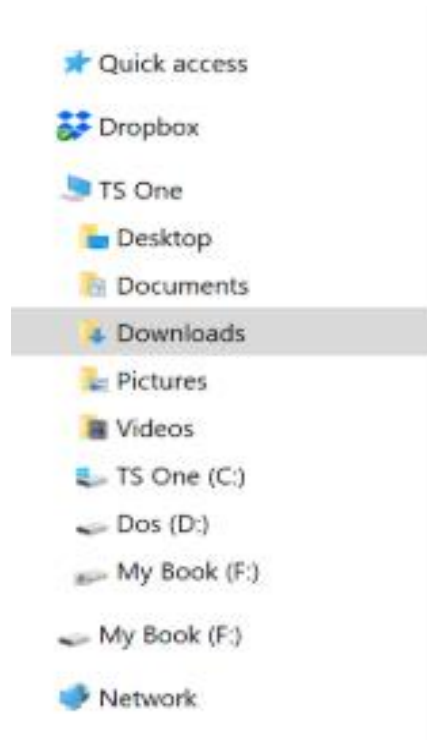
**Translation:** Botón de opción o de radio



## I. Left-hand pane

**Function:** Contains shortcuts to each main folder.

**Translation:** Menú lateral de navegación

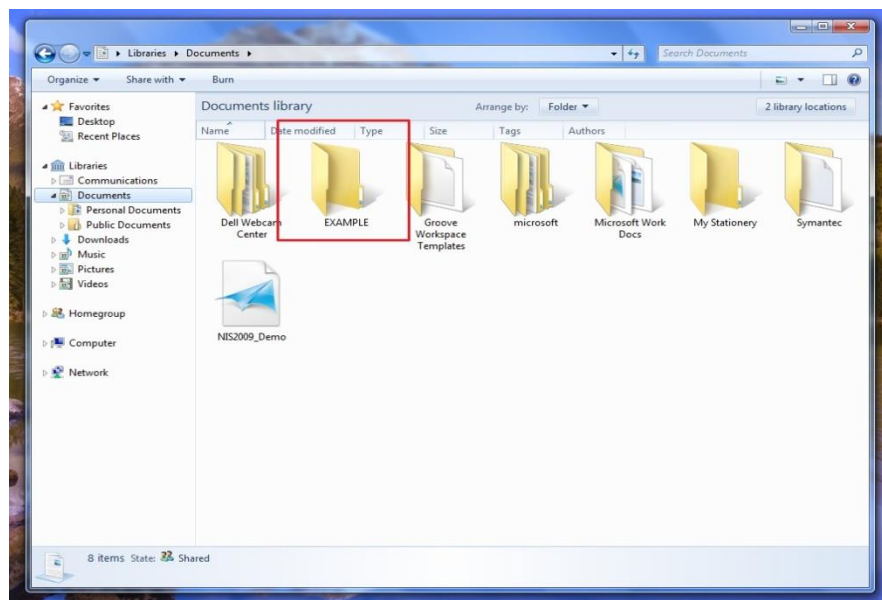


Left-hand pane

## J. Folder

**Function:** Store and organize files and data in the computer.

**Translation:** Carpeta



Folder

## K. Icon

**Function:** Help the user navigate a computer system.

Serve as a shortcut to access other programmes or data.

**Translation:** Icono



Icons



## 2. HARDWARE & IT JOBS

At this point we will study the devices that make part of a computer.

### 1. Monitor

**Function:** Displays information processed by the computer's video card.

**Translation:** Monitor



Monitor

### 2. Case

**Function:** Contains the components inside of a computer.

**Translation:** Torre/Carcasa/Caja

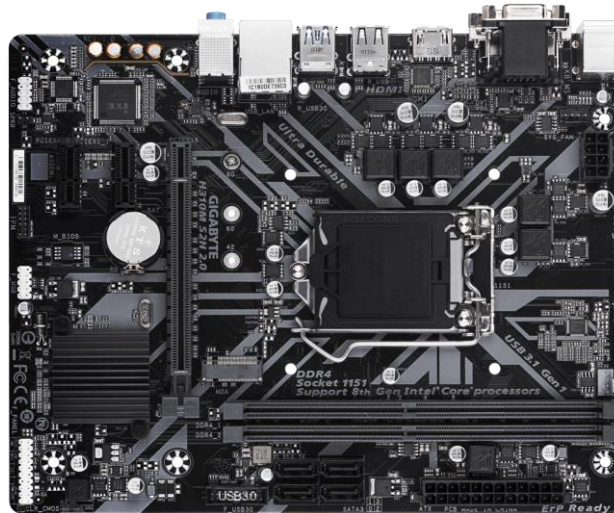


## Case

### 3. Motherboard

**Function:** Provides connectivity between the hardware components.

**Translation:** Placa base



Motherboard

### 4. CPU (or Processor)

**Function:** The brains of the computer where most calculations take place.

**Translation :** Unidad central de proceso, CPU o procesador.



CPU

### 5. RAM memory

**Function:** Stores data for short-term use.

**Translation:** Memoria RAM



RAM

## 6. Power supply unit

**Function:** Provides the motherboard with power.

**Translation:** Fuente de alimentación



Power supply unit

## 7. Optical disc drive

**Function:** Reads data from or writes data to an optical disc

**Translation:** Unidad de CD o DVD



Optical disc drive

## 8. Hard disc drive (HDD)

**Function:** Stores data for long-term use.

**Translation:** Disco duro



HHD

## 9. Keyboard

**Function:** Used to enter characters and functions into the computer system.

**Translation:** Teclado



Keyboard

## 10. Mouse

**Function:** Moves the cursor.

**Translation:** Ratón



Mouse

### 3. SOFTWARE

Software can be classified depending on its functionality. There are three types of software:

- System
- Programming
- Application

#### 1. System software

**Function:** Helps the user, hardware, and application software to interact and function together.

**Translation:** Software de sistema



<b>Operating system</b>	<b>Software that manages computer hardware, software resources.</b> <i>Windows 10, Ubuntu, Mac OS</i>
<b>Device drivers</b>	<b>Operate or control a particular type of device.</b> <i>Printers, video adapters, sound cards, mice, keyboards</i>
<b>Utilities</b>	<b>Analyze, configure, optimize or maintain a computer</b> <i>Data recovery, disk checkers, disk defragmenters, backup software</i>

## 2. Programming

**Function:** Create, debug, maintain, or otherwise support other programs and applications.

**Translation:** Software de programación



<b>IDE</b>	<b>Software for building applications that combines common developer tools into a single graphical user interface</b> <i>Eclipse, NetBeans, Microsoft Visual Studio</i>
<b>Source code editor</b>	<b>Text editor program designed specifically for editing source code of computer programs.</b> <i>Notepad++, Gedit</i>
<b>Compiler</b>	<b>Translates computer code written in one programming language into another language</b>
<b>Interpreter</b>	<b>Executes instructions written in a programming or scripting language</b>
<b>Debugger</b>	<b>Finding and resolving defects or problems within a computer program that prevent correct operation.</b>

## 3. Application Software

**Function:** Help people perform an activity.

**Translation:** Software de aplicación. Aplicación



<b>Word processing</b>	<b>Create word sheets and documents.</b> <i>Word, WordPad, Notepad</i>
<b>Spreadsheet</b>	<b>Compute quantitative data.</b> <i>Excel, Numbers</i>
<b>Database</b>	<b>Store data and sort information.</b> <i>Oracle, MS Access</i>
<b>Application suites</b>	<b>Collection of related programs sold as a package.</b> <i>OpenOffice, Microsoft Office</i>
<b>Multimedia</b>	<b>Tools used for a mixture of audio, video and image.</b> <i>VLC player</i>
<b>Communication</b>	<b>Connect systems and allow text, audio &amp; video comm.</b> <i>Skype, Discord</i>
<b>Internet Browsers</b>	<b>Access &amp; view websites.</b> <i>Chrome, Opera &amp; Firefox</i>
<b>Email</b>	<b>Send &amp; receive emails.</b> <i>Outlook, firebird</i>



## 4. WEBSITE

In this section of the unit we will study the types of websites and their structure and layout.


### 4.1 Types of website

#### 1. E-commerce

**Function:** Any website that includes a shopping cart and a way for you to provide credit card information to make a purchase.


**Translation:** Comercio electrónico, por internet, en línea.


Already a HostGator Customer?
 Sign In!


**5. Enter a Coupon Code**

Coupon Code

Validate




**6. Review Order Details**

24/7/365 Phone, LiveChat, Email Support		FREE!
Instant Account Activation		FREE!
Money Back Guarantee!		45 Days
Hatchling: 36 Months	\$250.20	\$98.83
Hosting Addons	\$48.94	\$43.94
	Subtotal:	\$299.14
	Discount:	-\$156.37
	<b>Amount Due:</b>	<b>\$142.77</b>

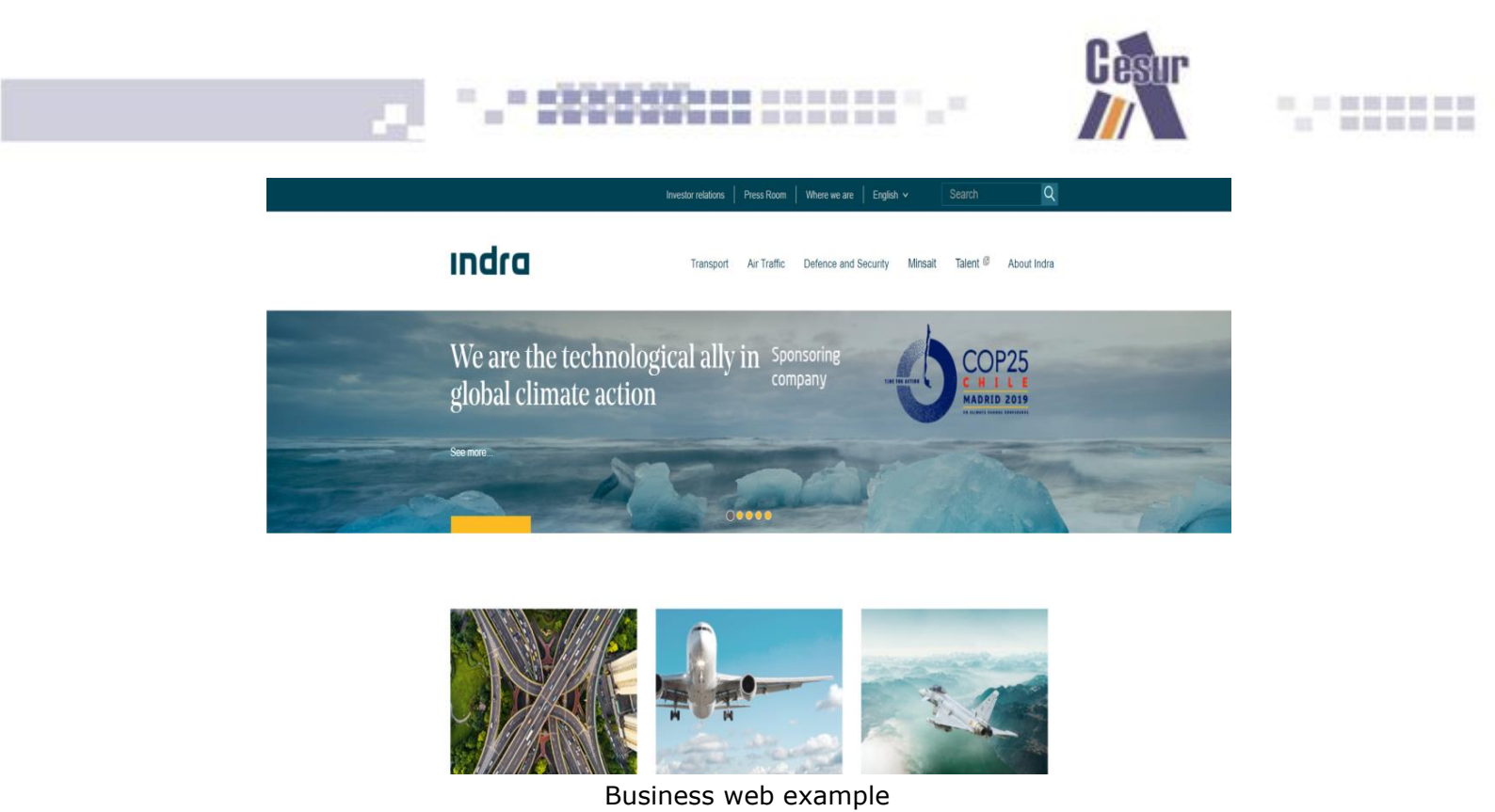
E-commerce example

#### 2. Business

**Function:** A website used to represent a specific business.

- It should be branded like the business.
- They encourage visitors to get in contact for more information.

**Translation:** Web de negocio



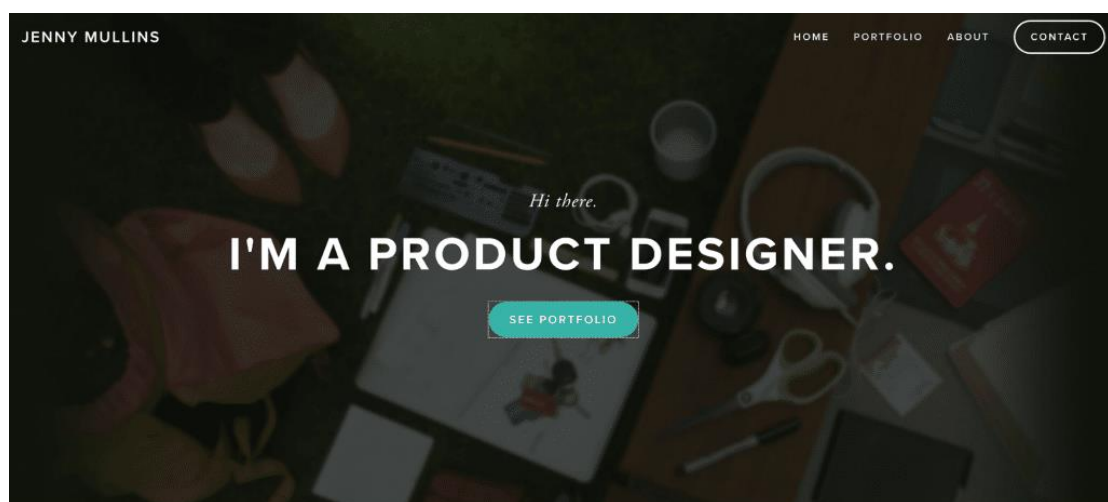
Business web example

### 3. Portfolio

**Function:** A website to show examples of past work.

Usually for creative professionals and freelancers that are hired based on demonstrated skill.

**Translation:** Web de portfolio



Hi, there. I'm a product designer.

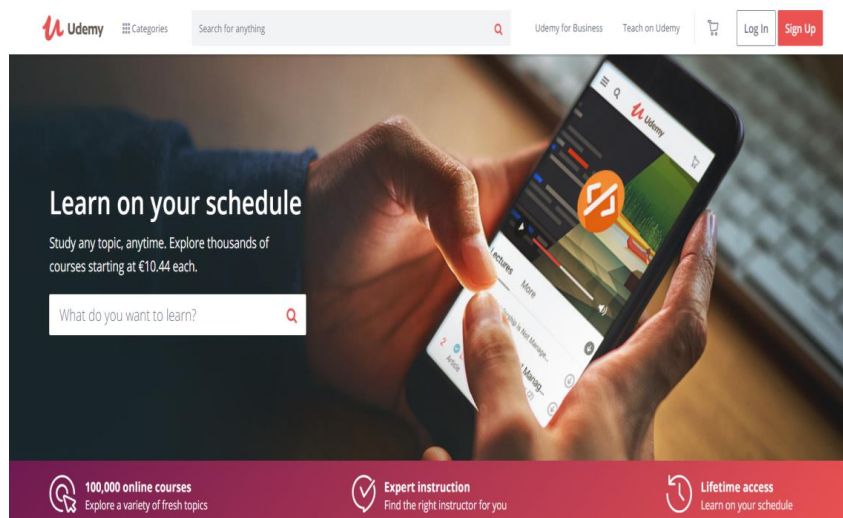
Portfolio web example

## 4. Educational

**Function:** Websites of educational institutions or others offering online courses.

Sometimes they offer subscription models or educational products for purchase.

**Translation:** Web educativa o de cursos en línea.



Educational web example

## 5. Wiki or community forum

**Function:** A website where users collaborate on content and all make changes.

**Translation:** Wiki



Wikipedia

## 6. Media / News

**Function:** Contain regularly updated content on current affairs, weather, sports and entertainment.

**Translation:** Web de noticias



News web example

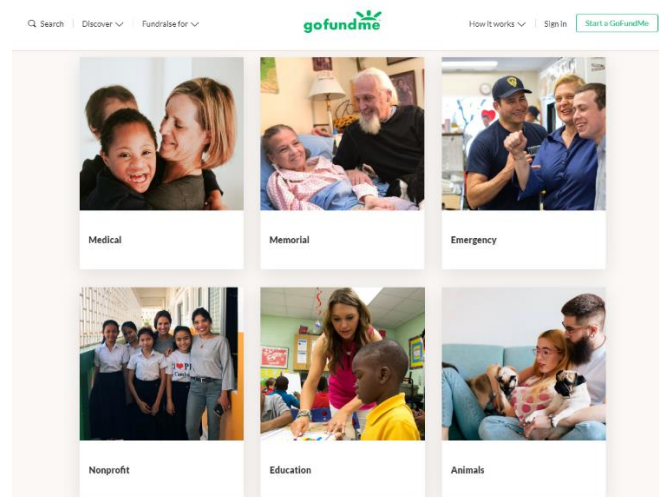
## 7. Crowdfunding

### Function

Website used to fund a project or venture by raising small amounts of money from a large number of people.

### Translation

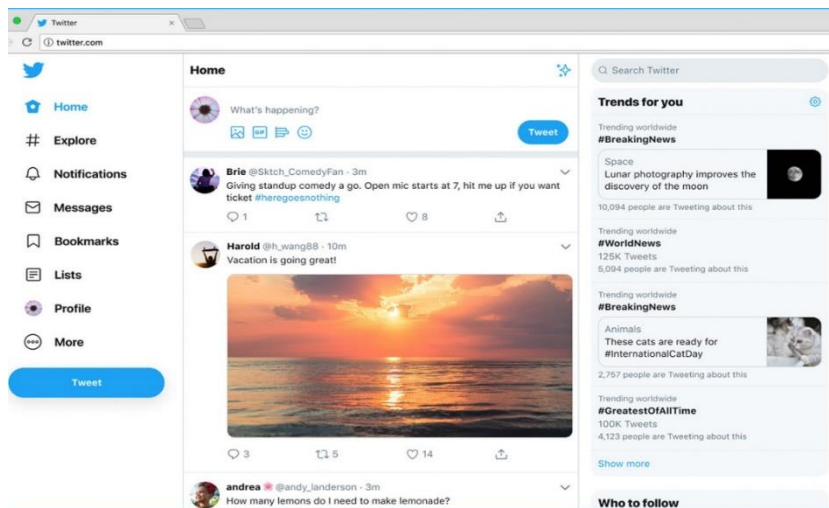
Web de micromecenazgo o crowdfunding.



## 8. Social media

**Function:** An online platform which people use to build social relationship with other people who share similar personal or career interests or activities.

**Translation:** Redes sociales



Twitter

## 9. Video hosting service / Streaming

**Function:** A website that enables users to upload, convert, store and play back video content on the internet.

Streaming refers to media being broadcast in real time. It often involves.

**Translation:** Webs o servicios de alojamiento de vídeos / de streaming.



Video hosting service

## 10. Entertainment

**Function:** Allows its users to upload and share "user-generated content" or other content from external social media websites.

Used mainly for memes, interesting or humorous purposes.

**Translation:** Webs de entretenimiento



## WHO WOULD WIN?

a computer program with  
millions of lines of code



one C U R L Y B O Y  
with no friend

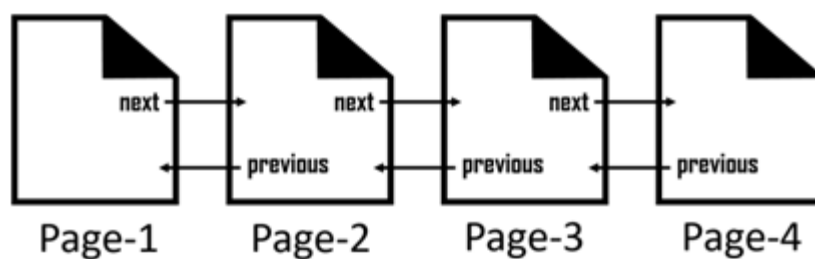


## 4.2 Website structure

### 1. Linear/Sequence Structure

**Function:** It is the simplest way to structure a website.  
It is similar to the structure of books.

**Translation:** Estructura lineal



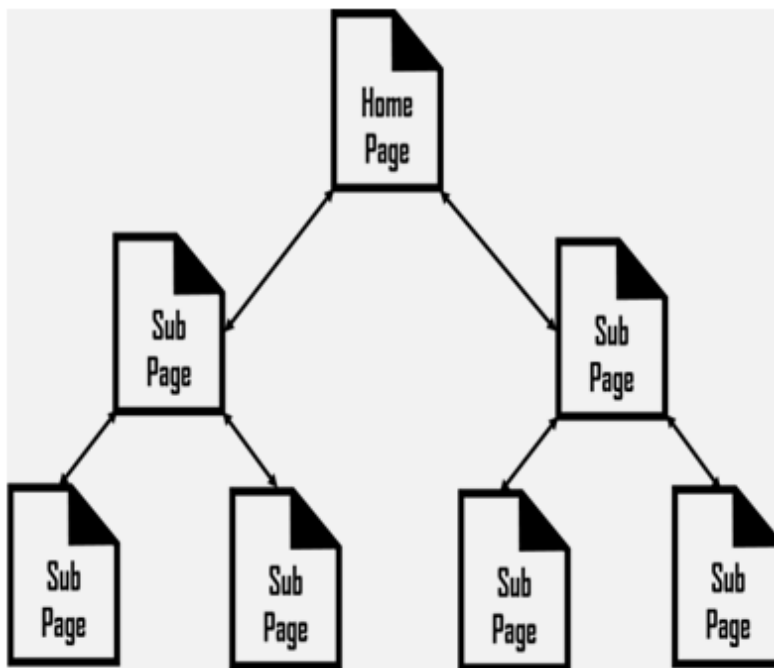


## 2. Tree/Hierarchic

**Function:** Most common type.

They are composed by parent pages and child pages.

**Translation:** Estructura jerárquica o de árbol

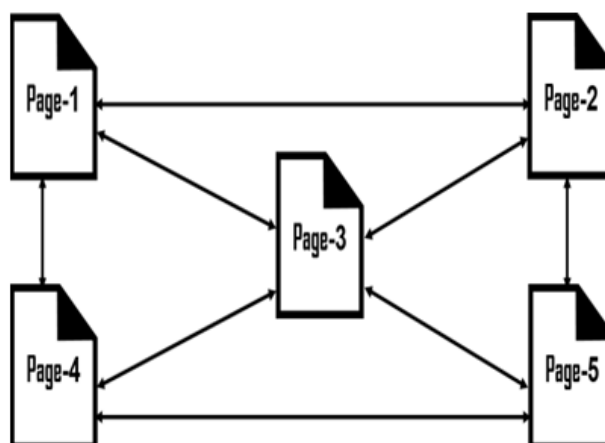


## 3. Web/Network

**Function:** It lets visitors choose where they want to go next.

The structure provides many links under topic groups. All the pages are connected to each other.

**Translation:** Estructura de red



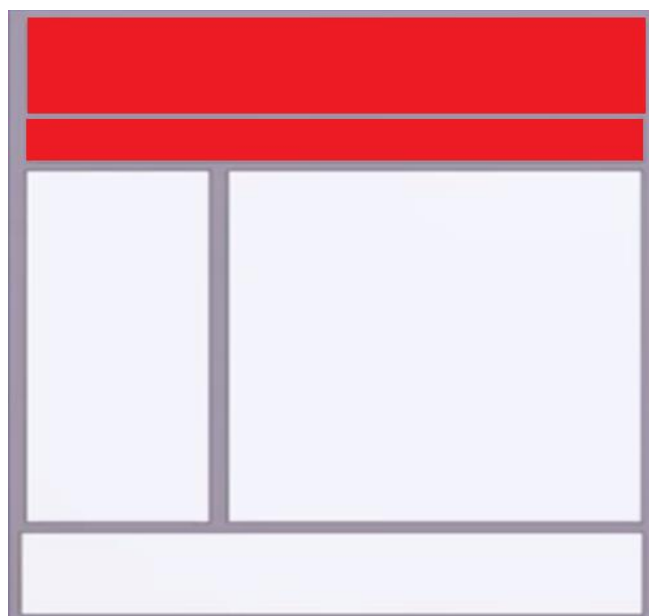
## 4.3 Web layout

### 1. Header

#### Function:

- Logo
- Main menu links / Navigation
- User account links (log in/out)
- Search
- Social media links
- Contact information
- Breadcrumbs

**Translation:** Cabecera



Header

Example:



- a) Logo
- b) Search
- c) Contact information
- d) Login
- e) Navigation menu

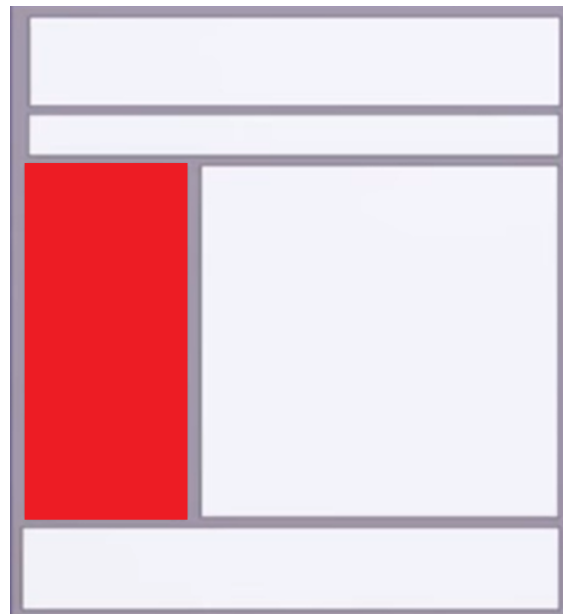


## 2. Sidebar

**Function:** It can be placed on left or right.

- Secondary menu links
- Repeatable elements
- Promotions and advertisements
- Related links

**Translation:** Barra lateral



Example:

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Show results for

**Computers**

Computer Accessories & Peripherals  
 Computer Components  
 Computers & Tablets  
 Data Storage  
 Laptop Accessories  
 Monitors  
 Networking Products  
 Power Strips & Surge Protectors  
 Printers  
 Scanners  
 Servers  
 Tablet Accessories  
 Tablet Replacement Parts  
 Warranties & Services

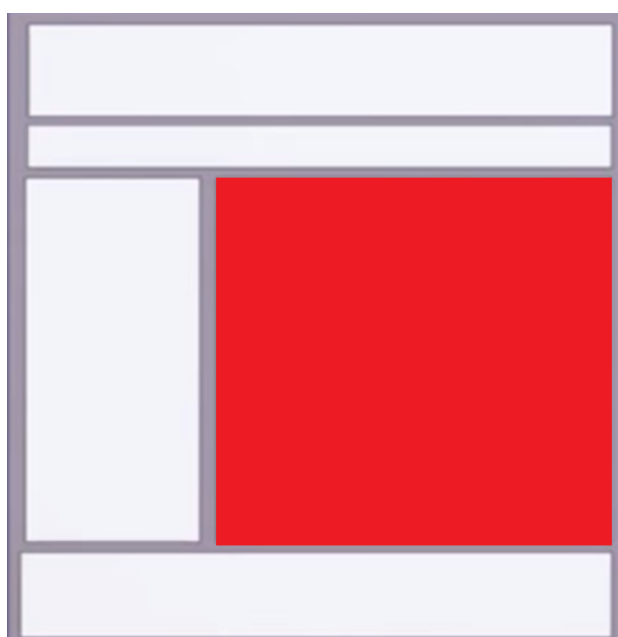
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### 3. Content

#### Function:

- Page Title / heading
- Page content text
- Page photo
- Inline links
- Related links
- Promotions and advertisements

#### Translation: Contenido



#### Example:

 <p><b>CESUR FORMACIÓN</b></p> <p>Centro oficial homologado para la enseñanza de Ciclos de Formación Profesional, con centros propios en Málaga, Sevilla, Madrid, Murcia, Badajoz, Las Palmas de Gran Canaria, y Santa Cruz de Tenerife.</p>	 <p><b>DESDE 1999</b></p> <p>Cesur abre sus puertas en 1999 con su primer centro oficial de FP en Málaga. Desde entonces, hemos abierto 13 centros más en diferentes Comunidades Autónomas, sumando un total que supera los 100 títulos.</p>	 <p><b>CICLOS DE FP PRESENCIAL Y ONLINE</b></p> <p>Cesur solo imparte Titulaciones Oficiales, tanto en modalidad presencial como online. A día de hoy la gran mayoría de nuestros ciclos se imparten en ambas modalidades. Esta modalidad, permite a aquellas personas que no pueden acudir a clase la posibilidad de acceder a una formación reglada, adaptada a sus necesidades y conducente a la obtención de un título oficial.</p>
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**ÁREAS DE FORMACIÓN**



**ACTIVIDADES FÍSICAS**



**ADMINISTRACIÓN Y GESTIÓN**



**COMERCIO Y MARKETING**



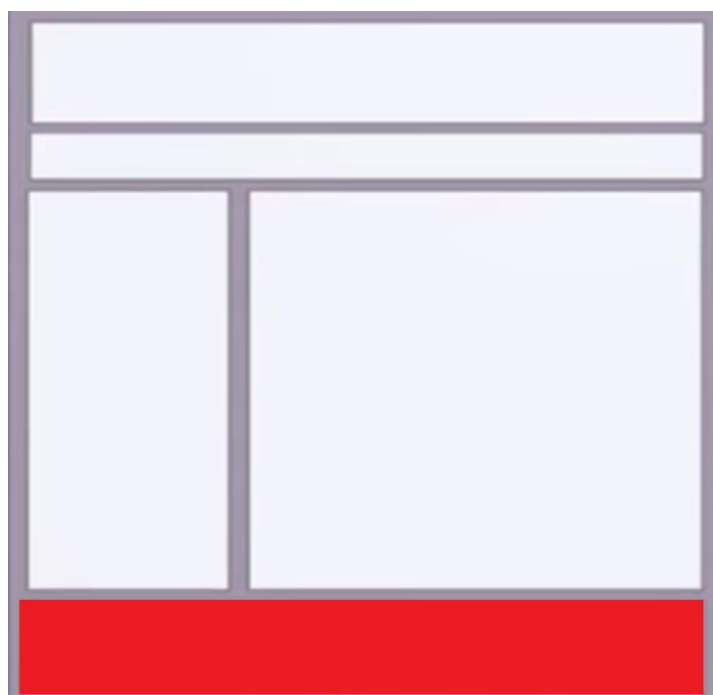
**INFORMÁTICA**

## 4. Footer

### Function:

- Copyright
- Terms of use / Terms of Service
- Privacy policy
- Contact detail
- Mini site map (links to main sections)

### Translation: Pie de página



### Example:

