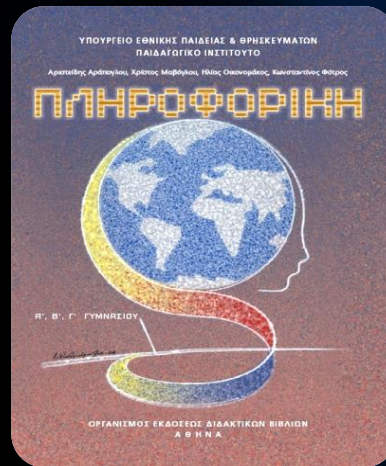


<http://www.zioulas.gr>



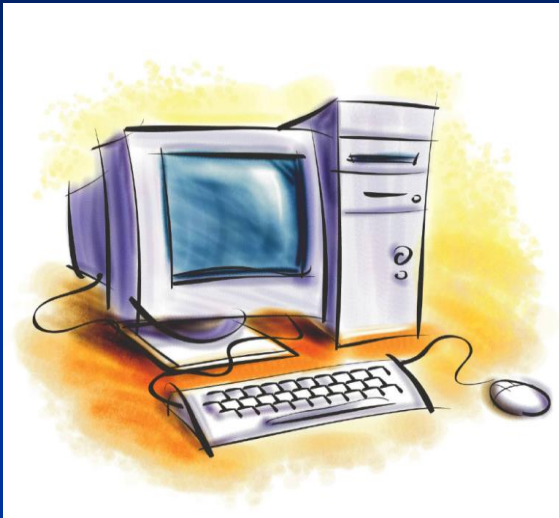
SEARCHING SERVICES ON THE WEB

CHAPTER 7



EVANGELOS C. ZIOULAS (IT TEACHER)

KEY WORDS



DIRECTORIES

TOPICS

SEARCH ENGINES

KEYWORDS

ADVANCED SEARCH

LANGUAGE TOOLS

WORLD WIDE WEB (WWW)

- The **World Wide Web (www)** includes a vast number of **web pages** growing rapidly everyday.
- Each user is able to **upload** his own web pages controlling his own **web site**, without needing some kind of approval from any authority first.
- The searching of information inside world wide web is simplified by special **Searching Services**.

SEARCHING CATEGORIES

DIRECTORIES

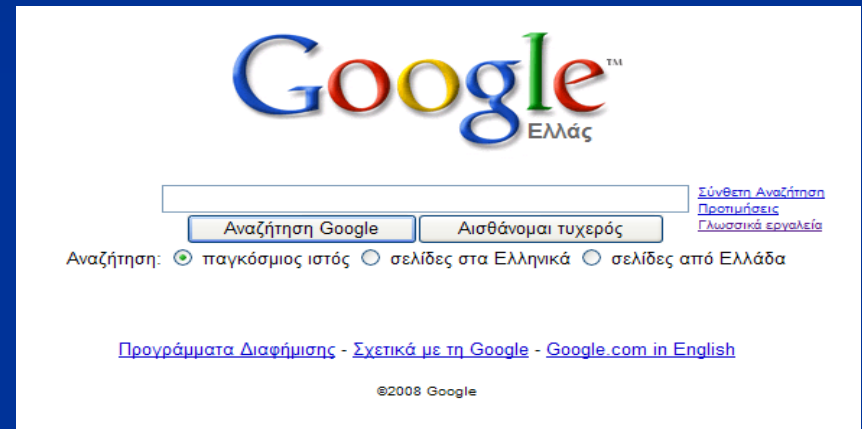


The screenshot shows the Yahoo! homepage with a search bar and a list of categories. The categories are organized into columns and include:

- Arts and Humanities**: Architecture, Photography, Literature...
- Business and Economy [Xtra!]**: Companies, Investing, Employment...
- Computers and Internet [Xtra!]**: Internet, WWW, Software, Multimedia...
- Education**: Universities, K-12, College Entrance...
- Entertainment [Xtra!]**: Cool Links, Movies, Music, Humor...
- Government**: Military, Politics [Xtra!], Law, Taxes...
- Health [Xtra!]**: Medicine, Drugs, Diseases, Fitness...
- News and Media [Xtra!]**: Current Events, Magazines, TV, Newspapers...
- Recreation and Sports [Xtra!]**: Sports, Games, Travel, Autos, Outdoors...
- Reference**: Libraries, Dictionaries, Phone Numbers...
- Regional**: Countries, Regions, U.S. States...
- Science**: CS, Biology, Astronomy, Engineering...

Directories are **organized in different topics** e.g. Arts, Education, Sports, Science, Health, Entertainment etc.

SEARCH ENGINES



The screenshot shows the Google search engine homepage. It features the Google logo with 'Ελλάς' (Greece) below it. There is a search bar with a 'Search' button and a 'options' link. Below the search bar, there are two buttons: 'Αναζήτηση Google' (Google Search) and 'Αισθάνομαι τυχερός' (I feel lucky). To the right, there are links for 'Σύνθετη Αναζήτηση Προσμίσεις Γλωσσικά εργαλεία' (Advanced Search, Settings, Language Tools). Below the search bar, there are radio buttons for 'Αναζήτηση: παγκόσμιος ιστός' (selected), 'σελίδες στα Ελληνικά', and 'σελίδες από Ελλάδα'. At the bottom, there are links for 'Προγράμματα Διαφήμισης - Σχετικά με τη Google - Google.com in English' and a copyright notice '©2008 Google'.

The searching of web pages is based on appropriate **keywords** which briefly describe the search topic.

DIRECTORIES

- A web directory is not a search engine and does not display lists of web pages based on **keywords**; instead, it lists web sites by category and subcategory.
- The links of a directory are organized in **topics**, according to their contents.
- Common categories of links in a web directory cover topics such as: *Education, Health, Business, News, Science, Sports, Computers* etc.
- Each topic in a directory is also organized in **subcategories** to simplify a more detailed searching e.g. the Health topic may include a variety of sub-topics such as Medical advices, Hospitals, First Aid, Medicine, Children's health etc.

- The free directories of the web is a useful service when a user seeks **general information** for a special topic, while for more **special information** the service of Search Engines seems to be more direct and efficient.
- Some famous examples of directories are:
 - yahoo (www.yahoo.com)
 - dmoz (www.dmoz.org)
 - virtual library (vlib.org)
 - hotsheet (www.hotsheet.com)
 - Greek Directories
 - www.apn.gr, directory.way.gr, www.webdirectory.gr,
www.hellasdirectory.com

dmoz

d m o z open directory project

In partnership with
AOL search

[about dmoz](#) | [dmoz blog](#) | [suggest URL](#) | [help](#) | [link](#) | [editor login](#)

Search

[advanced](#)

[Arts](#)

[Movies](#), [Television](#), [Music](#)...

[Business](#)

[Jobs](#), [Real Estate](#), [Investing](#)...

[Computers](#)

[Internet](#), [Software](#), [Hardware](#)...

[Games](#)

[Video Games](#), [RPGs](#), [Gambling](#)...

[Health](#)

[Fitness](#), [Medicine](#), [Alternative](#)...

[Home](#)

[Family](#), [Consumers](#), [Cooking](#)...

[Kids and Teens](#)

[Arts](#), [School Time](#), [Teen Life](#)...

[News](#)

[Media](#), [Newspapers](#), [Weather](#)...

[Recreation](#)

[Travel](#), [Food](#), [Outdoors](#), [Humor](#)...

[Reference](#)

[Maps](#), [Education](#), [Libraries](#)...

[Regional](#)

[US](#), [Canada](#), [UK](#), [Europe](#)...

[Science](#)

[Biology](#), [Psychology](#), [Physics](#)...

[Shopping](#)

[Clothing](#), [Food](#), [Gifts](#)...

[Society](#)

[People](#), [Religion](#), [Issues](#)...

[Sports](#)

[Baseball](#), [Soccer](#), [Basketball](#)...

[World](#)

[Català](#), [Dansk](#), [Deutsch](#), [Español](#), [Français](#), [Italiano](#), [日本語](#), [Nederlands](#), [Polski](#), [Русский](#), [Svenska](#)...

Become an Editor

Help build the largest human-edited directory of the web



Copyright © 1998-2008 Netscape

4,591,492 sites - 78,999 editors - over 590,000 categories



Κατηγορίες

Αθλητισμός (1381)

Αθλήματα, Ολυμπιακοί Αγώνες, Ομοσπονδίες, κλπ.

Διασκέδαση & Ψυχαγωγία (1621)

Αστρολογία, Έξοδος, Οδηγοί Διασκέδασης, Παιχνίδια, Χόμπυ, κλπ.

Ειδήσεις & ΜΜΕ (1529)

Εφημερίδες, Περιοδικά, Τηλεόραση, κλπ.

Εκπαίδευση (2418)

Βιβλιοθήκες, Ξένες Γλώσσες, Τριτοβάθμια Εκπαίδευση, κλπ.

Επιστήμη & Τεχνολογία (533)

Ιατρική, Μετεωρολογία, Περιβάλλον, Φυσική, Χημεία, κλπ.

Επιχειρήσεις & Οικονομία (12642)

Βιομηχανία, Κτηματομεσιτικά, Ναυτιλία - Αλιεία, Οικονομία, Τηλεπικοινωνίες, κλπ.

Καταστήματα & Αγορές (3832)

Αγορές Online, Ανθοπωλεία, Βιβλία, Δημοπρασίες, Μουσική, κλπ.

Κοινωνία (922)

Γνωριμίες, Εργασία & Καριέρα, Θρησκεία, Ιδρύματα, Ομογένεια, κλπ.

Κυβέρνηση, Οργανισμοί & Πολιτική (1433)

Ευρωπαϊκή Ένωση, Νομικά, Οργανισμοί, Τοπική Αυτοδιοίκηση, κλπ.

Πληροφορική & Διαδίκτυο (4477)

Hardware, Software, Διαδίκτυο, κλπ.

Σπίτι & Οικογένεια (1363)

Κήπος, Παιδιά, Σπίτι, κλπ.

Ταξίδια & Διακοπές (8486)

Διαμονή, Ταξιδιωτικοί Οδηγοί - Προορισμοί, κλπ.

Τέχνες & Πολιτισμός (2697)

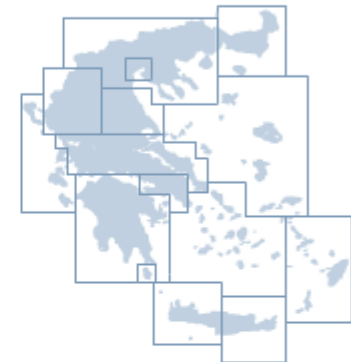
Ζωγραφική, Θέατρο, Κινηματογράφος, Μουσεία, Μουσική, Φωτογραφία, κλπ.

Υγεία & Ομορφιά (1877)

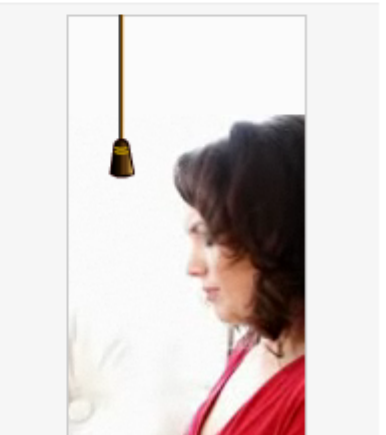
Δίαιτα & Διατροφή, Ιατροί, Νοσοκομεία, Ομορφιά, Συμβουλές Υγείας, κλπ.

Επιλογή Περιοχής

Ελλάδα



Σύνολο Websites: 45211



yahoo

YAHOO!

[New](#) [Cool](#) [Today's News](#) [More Yahoos](#)

[NBA Draft](#) [Wimbledon](#) [ONSALE](#) **FIVE \$1,000** *Winners Click Now!* [Holyfield vs. Tyson](#)

[options](#)

[Yellow Pages](#) - [People Search](#) - [Maps](#) - [Classifieds](#) - [News](#) - [Stock Quotes](#) - [Sports Scores](#)

- ◆ [Arts and Humanities](#)
[Architecture](#), [Photography](#), [Literature](#)...
- ◆ [Business and Economy \[Xtra!\]](#)
[Companies](#), [Investing](#), [Employment](#)...
- ◆ [Computers and Internet \[Xtra!\]](#)
[Internet](#), [WWW](#), [Software](#), [Multimedia](#)...
- ◆ [Education](#)
[Universities](#), [K-12](#), [College Entrance](#)...
- ◆ [Entertainment \[Xtra!\]](#)
[Cool Links](#), [Movies](#), [Music](#), [Humor](#)...
- ◆ [Government](#)
[Military](#), [Politics \[Xtra!\]](#), [Law](#), [Taxes](#)...
- ◆ [Health \[Xtra!\]](#)
[Medicine](#), [Drugs](#), [Diseases](#), [Fitness](#)...
- ◆ [News and Media \[Xtra!\]](#)
[Current Events](#), [Magazines](#), [TV](#), [Newspapers](#)...
- ◆ [Recreation and Sports \[Xtra!\]](#)
[Sports](#), [Games](#), [Travel](#), [Autos](#), [Outdoors](#)...
- ◆ [Reference](#)
[Libraries](#), [Dictionaries](#), [Phone Numbers](#)...
- ◆ [Regional](#)
[Countries](#), [Regions](#), [U.S. States](#)...
- ◆ [Science](#)
[CS](#), [Biology](#), [Astronomy](#), [Engineering](#)...
- ◆ [Social Science](#)
[Anthropology](#), [Sociology](#), [Economics](#)...
- ◆ [Society and Culture](#)
[People](#), [Environment](#), [Religion](#)...

Vlib.org



The WWW Virtual Library

Quick search:

The Virtual Library acknowledges its gratitude
to the sponsors and donors who assist so greatly in its work.

[more news...](#)

Agriculture

Irrigation, Livestock, Poultry Science, ...

The Arts

Art History, Classical Music, Theatre and Drama, ...

Business and Economics

Finance, Marketing, [Transportation](#), ...

Communications and Media

Broadcasters, Publishers, Telecommunications, ...

Computing and Computer Science

Artificial Intelligence, Cryptography, Logic Programming, ...

Education

Primary, Secondary, Tertiary, ...

Engineering

Architecture, Electrical, Mechanical, ...

Humanities and Humanistic Studies

History, Languages and Linguistics, Museums, ...

Information and Libraries

Information Quality, Knowledge Management, Libraries, ...

International Affairs

International Relations and Security, Sustainable Development, ...

Law

Arbitration, Forensic Toxicology, Legal History, ...

Natural Sciences and Mathematics

Biosciences, Earth Science, Medicine and Health, Physics, ...

Recreation

Gardening, Recreation and Games, Sport, ...

Regional Studies

African, [Asian](#), Latin American, European, ...

Social and Behavioural Sciences

Anthropology, [Archaeology](#), Population and Development Studies, ...

Society

Peoples, Religion, Gender Studies, ...

SEARCH ENGINES

- The searching method is based to specific **keywords** or **phrases** that best describe the topic we are looking for.
- Examples of famous search engines are:
 - www.google.com
 - www.altavista.com
 - www.lycos.com
 - www.yahoo.com
 - www.excite.com
 - www.infoseek.com



- The search based on certain keywords gives back as a result a huge number of web pages as a **list of hyperlinks** that contain the keywords used.
- Each time we use a search engine we should choose the **appropriate keywords** so our search to be faster and more efficient.
- Many search engines provide an **Advanced Search** service so the user to be able to customize his searching criteria avoiding any unnecessary and useless webpage results.
- Finally, some search engines provide users with additional services such as **language tools** in order to overpass their language restrictions by making automatic translations in a vast number of languages.

Language tools

- Μετάφραση
- Blogger
- Φωτογραφίες
- Ακόμα περισσότερα

keyword



internet



Αναζήτηση Google

Αισθάνομαι τυχερός



internet

Αναζήτηση

Εύρεση Αναζήτησης Προτιμήσεις

Αναζήτηση: παγκόσμιος ιστός σελίδες στα Ελληνικά σελίδες από Ελλάδα

Παγκόσμιος ιστός

Αποτελέσματα 1 - 10 από π

[Forthnet και Nova μαζί](#)

www.forthnet.gr/pronomio

Κερδίζεις χρήματα, δε χάνεις αγώνα! 5η Αγωνιστική: AEK - Παναθηναϊκός

Σύνδεσμοι διαφημιζομέν

[Internet Χωρίς Συνδρομή](#)

www.iFree.gr

899 100 6000, user/password: iFree Συνδεθείτε Τώρα με iFree Internet!

[ADSL έως 24Mbps](#)

www.tellas.gr

Απεριόριστο Internet έως 24 Mbps και τηλεφωνία χωρίς πάγιο OTE

[Διαδίκτυο - Βικιπαίδεια](#)

Το Διαδίκτυο, γνωστό συνήθως και με την αγγλική άκλιτη ονομασία **Internet**, είναι ένα μέσο μαζικής επικοινωνίας (MME), όπως είναι για παράδειγμα και η ...

el.wikipedia.org/wiki/Διαδίκτυο - [Προσωρινά αποθηκευμένη](#) - [Παρόμοιες](#)

[Internet - Wikipedia, the free encyclopedia](#)

[Μετάφραση αυτής της σελίδας](#)]

The **Internet** is a global system of interconnected computer networks that use the standardized **Internet Protocol Suite (TCP/IP)**, serving billions of users ...

[Terminology](#) - [History](#) - [Technology](#) - [Modern usage](#)

en.wikipedia.org/wiki/Internet - [Προσωρινά αποθηκευμένη](#) - [Παρόμοιες](#)

[INTERNET - ΔΙΑΔΙΚΤΥΟ](#)

7 Οκτ. 2008 ... Ένα website αφιερωμένο στο ίντερνετ. Τα πάντα γύρω από το διαδίκτυο, το ίντερνετ.

[Internet](#) - [Υπηρεσίες ίντερνετ](#) - [Ιστορία](#) - [Άρθρα](#)

www.internetinfo.gr/ - [Προσωρινά αποθηκευμένη](#) - [Παρόμοιες](#)

search engine results pages (SERPs)

From a list of hyperlinks (left image) we select an individual hyperlink and we are driven as a result to a new web page (image below)

Help us improve Wikipedia by [supporting financially](#).

[article](#) [discussion](#) [view source](#) [history](#)

Internet

From Wikipedia, the free encyclopedia

This article is about the public worldwide computer network system. For other uses, see [Internet \(disambiguation\)](#).

The **Internet** is a global system of interconnected [computer networks](#) that use the standardized [Internet Protocol Suite \(TCP/IP\)](#), serving billions of users worldwide. It is a *network of networks* that consists of millions of private and public, academic, business, and government networks of local to global scope that are linked by [copper wires](#), [fiber-optic cables](#), [wireless connections](#), and other technologies. The Internet carries a vast array of [information resources](#) and services, most notably the inter-linked [hypertext](#) documents of the [World Wide Web \(WWW\)](#) and the infrastructure to support [electronic mail](#). In addition it supports popular services such as [online chat](#), [file transfer](#) and [file sharing](#), [gaming](#), [commerce](#), [social networking](#), [publishing](#), [video on demand](#), and [teleconferencing](#) and [telecommunications](#). [Voice over Internet Protocol \(VoIP\)](#) applications allow person-to-person communication via voice and video.

The origins of the Internet reach back to the 1960s when the United States funded research projects of its military agencies to build robust, fault-tolerant and distributed computer networks. This research and a period of civilian funding of a new U.S. [backbone](#) by the [National Science Foundation](#) spawned worldwide participation in the development of new networking technologies and led to the [commercialization](#) of an international network in the mid 1990s, and resulted in the following popularization of countless applications in virtually every aspect of modern human life. As of 2009, an estimated quarter of Earth's population uses the services of the Internet.

Contents [\[hide\]](#)

1 [Terminology](#)

WEB CREDIBILITY

- In contrast to books and encyclopedias that their contents are usually controlled and evaluated, all the information found on the Internet may often be unrealistic and misleading.
- When visiting a web page a user should check out carefully some of its features:
 - the **last update**
 - the **owner** of it
 - the **purpose (object)** of the site
 - the **design** and the layout
 - any possible **syntactic** or **spelling errors**
 - the number and the variety of **hyperlinks**
 - the **coverage** and the **relevance** of the theme should be presented