

2 Spring 8 Web Site

Web 2.0

generation of Web 1.0-era websites where people were limited to passively viewing content. Examples of Web 2.0 features include social networking sites or social

Web 2.0 (also known as participative (or participatory) web and social web) refers to websites that emphasize user-generated content, ease of use, participatory culture, and interoperability (i.e., compatibility with other products, systems, and devices) for end users.

The term was coined by Darcy DiNucci in 1999 and later popularized by Tim O'Reilly and Dale Dougherty at the first Web 2.0 Conference in 2004. Although the term mimics the numbering of software versions, it does not denote a formal change in the nature of the World Wide Web; the term merely describes a general change that occurred during this period as interactive websites proliferated and came to overshadow the older, more static websites of the original Web.

A Web 2.0 website allows users to interact and collaborate through...

Web development

Among Web professionals, "Web development" usually refers to the main non-design aspects of building Web sites: writing markup and coding. Web development

Web development is the work involved in developing a website for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing a simple single static page of plain text to complex web applications, electronic businesses, and social network services. A more comprehensive list of tasks to which Web development commonly refers, may include Web engineering, Web design, Web content development, client liaison, client-side/server-side scripting, Web server and network security configuration, and e-commerce development.

Among Web professionals, "Web development" usually refers to the main non-design aspects of building Web sites: writing markup and coding. Web development may use content management systems (CMS) to make content changes easier and available...

Dark web

porn site". Archived from the original on 26 August 2015. Retrieved 26 August 2015. Conditt, Jessica (8 January 2016). "FBI hacked the Dark Web to bust

The dark web is the World Wide Web content that exists on darknets (overlay networks) that use the Internet, but require specific software, configurations, or authorization to access. Through the dark web, private computer networks can communicate and conduct business anonymously without divulging identifying information, such as a user's location. The dark web forms a small part of the deep web, the part of the web not indexed by web search engines, although sometimes the term deep web is mistakenly used to refer specifically to the dark web.

The darknets which constitute the dark web include small, friend-to-friend networks, as well as large, popular networks such as Tor, Hyphernet, I2P, and Riffle operated by public organizations and individuals. Users of the dark web refer to the regular...

Web crawler

spidering software to update their web content or indices of other sites' web content. Web crawlers copy pages for processing by a search engine, which indexes

Web crawler, sometimes called a spider or spiderbot and often shortened to crawler, is an Internet bot that systematically browses the World Wide Web and that is typically operated by search engines for the purpose of Web indexing (web spidering).

Web search engines and some other websites use Web crawling or spidering software to update their web content or indices of other sites' web content. Web crawlers copy pages for processing by a search engine, which indexes the downloaded pages so that users can search more efficiently.

Crawlers consume resources on visited systems and often visit sites unprompted. Issues of schedule, load, and "politeness" come into play when large collections of pages are accessed. Mechanisms exist for public sites not wishing to be crawled to make this known to...

Mirror site

mirror sites are archived at The FTP Site Boneyard. Occasionally, some people will use web scraping software to produce static dumps of existing sites, such

Mirror sites or mirrors are replicas of other websites. The concept of mirroring applies to network services accessible through any protocol, such as HTTP or FTP. Such sites have different URLs than the original site, but host identical or near-identical content. Mirror sites are often located in a different geographic region than the original, or upstream site. The purpose of mirrors is to reduce network traffic, improve access speed, ensure

availability of the original site for technical or political reasons, or provide a real-time backup of the original site. Mirror sites are particularly important in developing countries, where internet access may be slower or less reliable.

Mirror sites were heavily used on the early internet, when most users accessed through dialup and the Internet backbone...

Web engineering

Document centric Web sites Transactional Web applications Interactive Web applications Workflow-based Web applications Collaborative Web applications Portal-oriented

The World Wide Web has become a major delivery platform for a variety of complex and sophisticated enterprise applications in several domains. In addition to their inherent multifaceted functionality, these Web applications exhibit complex behaviour and place some unique demands on their usability, performance, security, and ability to grow and evolve. However, a vast majority of these applications continue to be developed in an ad hoc way, contributing to problems of usability, maintainability, quality and reliability. While Web development can benefit from established practices from other related disciplines, it has certain distinguishing characteristics that demand special considerations. In recent years, there have been developments towards addressing these considerations.

Web engineering...

Siding Spring Observatory

new site was initiated by Bart Bok. After a site survey was undertaken the number of possible locations was narrowed down to two – Siding Spring and Mount

Siding Spring Observatory near Coonabarabran, New South Wales, Australia, part of the Research School of Astronomy & Astrophysics (RSAA) at the Australian National University (ANU), incorporates the Anglo-Australian Telescope along with a collection of other telescopes owned by the Australian National University, the University of New South Wales, and other institutions. The observatory is situated 1,165 metres (3,822 ft) above sea level in the Warrumbungle National Park on Mount Woorat, also known as Siding Spring Mountain. Siding Spring Observatory is owned by the Australian National University (ANU) and is part of the Mount Stromlo and Siding Spring Observatories research school.

More than A\$100 million worth of research equipment is located at the observatory. There are over 60 telescopes...

Semantic Web

Web". The Semantic Web: Research and Applications. Lecture Notes in Computer Science. Vol. 4519. Springer. pp. 624-639. doi:10.1007/978-3-540-72667-8_44

The Semantic Web, sometimes known as Web 3.0, is an extension of the World Wide Web through standards set by the World Wide Web Consortium (W3C). The goal of the Semantic Web is to make Internet data machine-readable.

To enable the encoding of semantics with the data, technologies such as Resource Description Framework (RDF) and Web Ontology Language (OWL) are used. These technologies are used to formally represent metadata. For example, ontology can describe concepts, relationships between entities, and categories of things. These embedded semantics offer significant advantages such as reasoning over data and operating with heterogeneous data sources.

These standards promote common data formats and exchange protocols on the Web, fundamentally the RDF. According to the W3C, "The Semantic Web...

Cave Spring, Georgia

limestone cave and mineral spring site which serves as the main source of drinking water for nearby communities. The spring flows from the cave into a

Cave Spring is a city near

Floyd County, Georgia, United States. It is located 17 miles (27 km) southwest of Rome, the county seat. The population of Cave Spring was 1,200 at the 2010 census, up from 975 at the 2000 census. It is part of the Rome, Georgia Metropolitan Statistical Area.

The town is named for its natural limestone cave and mineral spring site which serves as the main source of drinking water for nearby communities. The spring flows from the cave into a rock holding pond in Rolater Park and then into a 1.5-acre (6,100 m²) swimming pool constructed of stones.

Spring water is piped to local homes and businesses by the public-utility service of Cave Spring. Visitors may also bring jugs to fill at the spring and take home for drinking.

McConnell Springs Park

"McConnell Springs web site";. McConnell Springs. Lexington-Fayette Urban County Government. April 6, 2008. "Mission - Welcome to McConnell Springs!";. mcconnellsprings

McConnell Springs is a twenty-six acre natural park located at the historic springs where the city of Lexington, Kentucky was named. The park is a non-profit organization in partnership with the Lexington-Fayette Urban County Government Division of Parks and Recreation. The mission statement of this organization is to restore and preserve McConnell Springs as a national historic site, an educational resource for culture and environment, and a passive recreational park.

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