

Information Architecture For The Web And Beyond

A portal may use a search engine's application programming interface (API) to permit users to search intranet content as opposed to extranet content by restricting which domains may be searched.

Apart from this common search engines feature, web portals may offer other services... 5150c76ced

Web portal Variants of portals include mashups and intranet dashboards for executives and managers. , a dashboard or map) and the chosen implementation framework or code libraries. The extent to which content is displayed in a "uniform way" may depend on the intended user and the intended purpose, as well as the diversity of

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the content. Very often design emphasis is on a certain "metaphor" for configuring and customizing the presentation of the content (e. A web portal is a specially designed website that brings information from diverse sources, like emails, online forums and search engines, together in A web portal is a specially designed website that brings information from diverse sources, like emails, online forums and search engines, together in a uniform way. g. Usually, each information source gets its dedicated area on the page for displaying information (a portlet); often, the user can configure which ones to display. In addition, the role of the user in an organization may determine which content can be added to the portal or deleted from the portal configuration 5150c76ced

Laboratory information management system Key features include—but are not limited to—workflow and data tracking support, flexible architecture, and data exchange interfaces, which fully "support its use in regulated environments". The features and uses of a LIMS have evolved over the years from simple sample tracking

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to an enterprise resource planning tool that manages multiple aspects of laboratory informatics. They tend to be handled by inventory laboratory technicians. A web-based LIMS architecture is a hybrid of the thick- and thin-client A laboratory information management system (LIMS), sometimes referred to as a laboratory information system (LIS) or laboratory management system (LMS), is a software-based solution with features that support a modern laboratory's operations. need for cross-platform functionality mean that additional overhead costs may arise 5150c76ced

The term was coined by Tim Berners-Lee for a web of data (or data web) that can be processed by machines—that is, one in which much of... 5150c76ced "Architectural Kata" is a teamwork which can be used to produce an architectural solution that fits the needs. Each team extracts and prioritizes architectural characteristics (aka non functional requirements) then models the components accordingly. The team can use C4 Model which is a flexible method... 5150c76ced "Why is more important than how" 5150c76ced Historically the

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LIMyS, LIS, and process development execution system (PDES) have all performed similar functions. The term "LIMS" has tended...
5150c76ced == Overview == 5150c76ced The Web was invented by English computer scientist Tim Berners-Lee while at CERN in 1989 and opened to the public in 1993. It was conceived as a "universal linked information system". Documents and other media content are made available to the network through web servers and can be accessed by programs such as web browsers. Servers and resources on the World Wide Web are identified and located through a character string called a uniform resource locator (URL). 5150c76ced

World Wide Web It facilitates access to documents and other web resources according to specific rules of the Hypertext Transfer Protocol (HTTP). The World Wide Web (also known as WWW, W3, or simply the Web) is a global interconnected information system that enables content sharing over the Internet The World Wide Web (also known as WWW, W3, or simply the Web) is a global interconnected information system that enables content sharing over the Internet

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Historically, information science has evolved as a transdisciplinary field, both drawing from and contributing to diverse domains.

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Architecture It utilizes civil engineering techniques, but is considered a visual art. Historical civilizations are often identified with their surviving architectural achievements. Architecture is the study and practice of designing structures, especially habitable ones.

Architectural works, in the material form of buildings, are often perceived as cultural symbols and as works of art. The term comes from Latin *architectura*; from Ancient Greek ἀρχιτέκτων (*arkhitéktōn*) 'architect'; from ἀρχι- (*arkhi-*) 'chief' and τέκτων (*téktōn*) 'creator'. It is both the process and the product of sketching, conceiving, planning, designing, and constructing buildings or other structures. It utilizes civil engineering techniques, but is considered Architecture is the study and practice of designing structures,

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especially habitable ones

The structural design of shared information environments.
The institute broadly defined "information architecture" as: There is no useful definition of the term "LIMS" as it is used to encompass a number of different laboratory informatics components. The spread and depth of these components is highly dependent on the LIMS implementation itself. All LIMSs have a workflow component and some summary data management facilities but beyond that there are significant differences in functionality.
== Disciplines and related fields ==

Enterprise architecture framework practices for creating and using the architecture description of a system. An architecture framework provides principles and practices for creating and using the architecture description of a system. It structures architects' thinking by dividing the architecture description into domains, layers, or views, and offers models – typically matrices and diagrams – for

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documenting each view. This allows for making systemic design decisions on all the components of the system and making long-term decisions around new design requirements, sustainability, and support. It structures architects' thinking by dividing the architecture description An enterprise architecture framework (EAF) defines how to create and use an enterprise architecture

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== History == 5150c76ced The practice of architecture itself, which began in the prehistoric era, has been used as a way of expressing culture by civilizations on all seven continents. For this reason, architecture is considered to be a form of art. Texts on architecture have been written since ancient times. The earliest surviving text on architectural theories is the 1st century BC treatise De architectura by the Roman architect Vitruvius, according to whom a good building embodies firmitas, utilitas, and venustas (durability, utility, and beauty... 5150c76ced

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Information science Additionally, they examine the interaction between people, organizations, and any existing information systems. ISBN 978-0-596-52734-1. Practitioners within and outside the field engage in the study of knowledge application and usage in organizations. O'Reilly Media, Inc. The objective of this study is to create, replace, improve, or understand the information systems. "Image Information Retrieval: An Information science (abbreviated as infosci) is an academic field that is primarily concerned with the analysis, collection, classification, manipulation, storage, retrieval, movement, dissemination, and protection of information. (2000). Goodrum, Abby A. Information Architecture for the World Wide Web 5150c76ced

Information Architecture Institute The art and science of organizing and labeling web sites The Information Architecture Institute (IA Institute or IAI) was a non-profit volunteer organization dedicated to advancing and promoting information architecture. The organization was incorporated in November 2002 and was a 501(c)(6)

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organization. defined “information architecture” as: The structural design of shared information environments. It grew to become one of the world's largest professional groups for web specialists, with over 1200 members in 60 countries, It was dissolved in September 2019 and is no longer a professional board of trade

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Secure Mobile Architecture (SMA) grew from work in The Open Group's (TOG) Mobile Management Forum (MMF). The MMF developed a demonstration of proprietary seamless secure session management across different networks, which was given at The Open Group Conference in Berlin, April 2001. This led to the development by the MMF together with The Open Group Directory Interoperability Forum (DIF) of the Business Scenario – The Executive on the Move. This business scenario described the requirements for directories to support mobile computing. The Open Group then worked on a Challenge to vendors of directories and related products to provide support for mobile computing. The SMA activity became a

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task group in The Open Group and the participants developed...
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Software architecture Each Software architecture is the set of structures needed to reason about a software system and the discipline of creating such structures and systems. Software architecture is the set of structures needed to reason about a software system and the discipline of creating such structures and systems. Each structure comprises software elements, relations among them, and properties of both elements and relations
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The components of an architecture framework provide structured guidance that is divided into three main areas: 5150c76ced The original and still very common document type is a web page formatted in Hypertext Markup Language (HTML). This markup language supports plain text, images, embedded video and audio contents, and scripts (short programs) that implement complex user

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interaction. The HTML language also supports hyperlinks (embedded URLs), which provide immediate access to other web resources. Web navigation, or web surfing, is the common practice of following such... 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. The art and science of organizing and labeling web sites, intranets, online communities and software to support usability and findability. Enterprise architecture regards the enterprise as a large and complex system or system of systems. To manage the scale and complexity of this system, an architectural framework provides tools and approaches that help architects abstract from the level of detail at which builders work, to bring enterprise design tasks into focus and produce valuable architecture

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description documentation. 5150c76ced An emerging community of practice focused on bringing principles of design and architecture to the digital landscape. 5150c76ced

Semantic Web 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. The term was coined by Tim Berners-Lee for a web of data (or data web) that can be processed The Semantic Web, sometimes known as Web 3. different content and information applications and systems 5150c76ced

The architecture of a software system is a metaphor, analogous to the architecture of a building. It functions as the blueprints for the system and the development project, which project management can later use to extrapolate the tasks necessary to be executed by the teams and people involved. 5150c76ced

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Secure Mobile Architecture developed the Secure Mobile Architecture (SMA) over a three-year period, publishing in February 2004. With the increasing number of mobile workers, a secure mobile architecture specification is needed to allow businesses and individuals to maintain secure connections when moving or mobile. Mobile computing is less well established than mobile telephony, partly because of the lack of a common standard infrastructure for secure seamless mobile computing for the Internet. The architecture described in the SMA Vision and Architecture Mobile telephony (cellular) has become a commonplace aspect of modern life

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Everything is a trade-off 5150c76ced Software architecture is about making fundamental structural choices that are costly to change once implemented. Software architecture choices include specific structural options from possibilities in the design of the software. There are two fundamental laws in software architecture: 5150c76ced These standards promote common data formats and

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exchange protocols on the Web, fundamentally the RDF. According to the W3C, "The Semantic Web provides a common framework that allows data to be shared and reused across application, enterprise, and community boundaries." The Semantic Web is therefore regarded as an integrator across different content and information applications and systems. 5150c76ced

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