

Fundamental web Design and Development

Section one software Engineering

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1 The Evolution of internet

Invention of Internet Truly, one of the most significant inventions in our modern era is the internet. It has greatly changed the course of human computing and communication fields. The internet is a central network that most computers have the capability to connect to through WiFi or other technologies that serves as a virtual hub that many other computer users.

History of the internet started with the starting of interconnecting networks. In 1950's computer science was an emerging discipline which considered time sharing with the help of making wide area networks. A person by the name Paul Baran proposed a distributed network based on data in message blocks in early 1960's and another person named Donald Davies came up with packet switching in 1965.

In the early times data networking was made through ARPANET, Merit Network and CYCLADES. In the 1980's NSF funded national super computing centers provided inter-connectivity in 1986 and it was at in the time period between 1989-90 where world wide web came linking hypertext documents into an information system accessible from any node on the network. The internet we know today is the result of connection of computers that provide wide variety of information through hypertext documents and make the people informed about literally everything.

1 list 5-10 websites and put your Assessment

Lists

1 **Quora.com**

Quora ranks 80th for global traffic. This rank is calculated using daily visitors and pageviews over the last three months. Though Quora has a way to go to reach the top, it's still among the most popular sites in the U.S. and worldwide.

2 **imdb.com**

IMDb.com is an online database of information which is related to movies, television programs, home videos, video games and streaming content online and registered members can write reviews, edit the site and vote on ratings.

3 **Bloomberg.com**

is a privately held financial software, data and media company founded on October 1, 1981 in New York, United States. Bloomberg also includes wire service known as Bloomberg News. The company renamed itself Bloomberg L.P. within a few years.

4 **Voanews.com**

Voice of America is a U.S. multimedia agency which serves as the United States government institution for non-military, external broadcasting. It is the largest U.S. international broadcaster. VOA produces digital, TV, and radio content in 47 languages which it distributes to affiliate stations around the globe.

5. **Wikipedia** is a multilingual online encyclopedia created and maintained as an open collaboration project by a community of volunteer editors using a wiki-based editing system.[5] It is the largest and most popular general reference work on the World Wide Web and is one of the most popular websites ranked by Alexa as of January 2020.

3 Categories Of websites and their Examples

1 Blog

A blog (shortening of “weblog”) is an online journal or informational website displaying information in the reverse chronological order, with the latest posts appearing first. It is a platform where a writer or even a group of writers share their views on an individual subject.

Lists of 5 Blog sites

1 WWW.WordPress.org

To Create your Website free

2 WWW.Ghost.org

A ghost site is a slang term for a website that remains live but is no longer updated or maintained, or on which updates are very infrequent. Unlike a site that is no longer available, ghost sites do not produce a 404 error when users attempt to access them.

3 WWW.WEEBLY.COM

Is an open source website to create web freely

4 WWW.SQUARESPACE.COM

Squarespace is a website builder designed to help creatives build their own websites and showcase their work, no matter their technical ability. Without any coding knowledge, you can put together your own beautiful website in a matter of hours.

5 WWW.JOOMLA.COM

Joomla is best Content Management System for FREE

Joomla is an open source platform on which Web sites and applications can be created. It is a content management system (CMS) which connects your site to a MySQLi, MySQL, or PostgreSQL database in order to make content management and delivery easier on both the site manager and visitor.

2 corporate sites

Is a type of site that provide information about a corporation

Lists of corporate sites are:

1 WWW.JOURNEYGROUP.COM

Journey group is an independent Design company. The website gives information about this corporation

2 WWW.MENELIKHOSPITAL.ORG

Is a website that gives information about a hospital Menelik located at Addis, Ababa Ethiopia

3 WWW.MIGHTBYTES.COM

Mightybytes is a full-service digital marketing agency and a Certified B Corp.

4 WWW.BLUEFOUNTAINMEDIA.COM

A digital agency creating experiences that connect, marketing that performs, and. branding that inspires.

5 WWW.HYPERISLAND.COM

Hyper Island is a global learning provider. We enable growth for individuals and businesses through informativeness learning experiences.

3 e-commerce Websites

eCommerce websites are online portals that facilitate online transactions of goods and services through means of the transfer of information and funds over the Internet

Lists of e-commerce websites:

1 WWW.AMAZON.COM

Amazon.com, Inc. is an American multinational technology company based in Seattle that focuses on e-commerce, cloud computing, digital streaming, and artificial intelligence

2 WWW.EBAY.COM

eBay Inc.is an American multinational e-commerce corporation based in San Jose, California, that facilitates consumer-to-consumer and business-to-consumer sales through its website.

3 WWW.ALIBABA.COM

Alibaba Group Holding Limited Chinese multinational technology company specializing in e-commerce, retail, Internet, and technology. Founded on 4 April 1999 in Hangzhou, Zhejiang, the company provides consumer-to-consumer (C2C), business-to-consumer (B2C), and business-to-business (B2B) sales services via web portals, as well as electronic payment services, shopping search engines and cloud computing services

4 WWW.WALMART.COM

walmart Inc. is an American multinational retail corporation that operates a chain of hypermarkets, discount department stores, and grocery stores, headquartered in Bentonville, Arkansas.

5 WWW.WOOCOMMERCE.COM

WooCommerce is an open-source e-commerce plugin for WordPress. It is designed for small to large-sized online merchants using WordPress. Launched on September 27, 2011

4 port folio

The ultimate purpose of a portfolio website is to provide a way for you to land more clients, whether that means freelance work, more clients for your agency or employment at a company.

Lists

1 WWW.BEHANCE.NET

Behance Portfolio is a place where you can effectively display your digital portfolios and CV's.

2 [HTTPS://PORTFOLIO.ADOBE.COM](https://PORTFOLIO.ADOBE.COM)

Portfolio.adobe is a place you can create your port folio

3 WWW.VIEWBOOK.COM

A promotional booklet with pictures that is published by a college or university and used especially for recruiting students

4 WWW.FOLIOLINK.COM

pholioLink the professional photography and artist website provider

5 WWW.FABRIK.IO

Fabrik is a professional portfolio website builder

5 Brochures

a brochure website is a digital version of a printed brochure. They show the products or services your company provides, however, unlike an e-commerce website, they do not sell the product or service online.

List

1 WWW.MYCREATIVESHOP.COM

Is a site used to create business brochures

2 WWW.CANAVA.COM

This multi-functional website could be used for any kind of purpose like creating off the post designs, info graphics, brochures, etc. The only thing here is that there are only a few of the templates and crafts which are free to be used, otherwise, apart from this, you can even utilize this website to create your unique brochures within minutes.

3 WWW.LUCIDPRESS.COM

This online tool will assist you to create the professional-looking brochures. Make all the customization that you wish to go into the pre-built templates, add the information of your business easily. This is the standalone website for the designing of the brochures.

4 WWW.PUBLITAS.COM

If you have the PDF designed for you and you wish to convert your PDF into the brochure design then this is the website that would help you up. The process is simple enough, upload your brochure design and then click on the button to make use of the function to convert your file to pdf.

5 WWW.ANYFLIP.COM

AnyFlip is one of the best sites which you can visit right now to create a brochure. The great thing about AnyFlip is that it allows users to create and upload the brochure in PDF format. That means the created brochure can be used in online purposes as well. Apart from that, the site provides different types of customization options like you can customize the title, description, and keywords of the brochure.

6 CROWD FUNDING

Crowdfunding is the practice of funding a project or venture by raising small amounts of money from a large number of people, typically via the Internet.

Lists

1 WWW.KICKSTARTER.COM

Kickstarter is one of the biggest names when it comes to crowdfunding, known for helping tech and creative entrepreneurs fund their projects before getting a loan or raising money for venture capital.

2 WWW.INDEGOGO.COM

Indiegogo users are usually creating campaigns for tech innovations, creative works, and community projects. The crowdfunding platform works similarly to Kickstarter, except it doesn't have an exclusively all or nothing fundraising model.

3 WWW.CAUSES.COM

Causes is the world's largest online campaigning platform focused on social, political, and cultural issues. It brands itself as a social network for people who want to make a difference faster and more effectively. It boasts 186 million users in 156 different countries.

4 WWW.PATREON.COM

Patreon is popular among digital creatives, such as YouTubers, podcasters, and bloggers. As opposed to you collecting one-off campaign donations, you have a subscription model where patrons regularly contribute a set amount of money every month or per creation.

5 WWW.GOFUNDME.COM

You've probably seen a handful of GoFundMe fundraisers on social media at one point or another for emergencies and charitable causes, but businesses can use it as well. The crowdfunding site collects a 2.9-percent processing fee and 30 cents for every donation.

5 NEWS AND MAGAZINE

The news is information about happenings and events, occurring right now. This sites provides news to their customers

Lists

1 WWW.NYTIMES.COM

NEWYORK TIMES

The New York Times is an American newspaper based in New York City with worldwide influence and readership Founded in 1851

2 WWW.WSJ.COM

The Wall Street Journal is a U.S. business-focused, English-language international daily newspaper based in New York City, international editions also available in Chinese and Japanese.

3 WWW.WASHINGTONPOST.COM

The Washington Post (sometimes abbreviated to WaPo) is a major American daily newspaper published in Washington, D.C. Daily broadsheet editions are printed for the District of Columbia, Maryland, and Virginia.

4 WWW.BBC.COM

The British Broadcasting Corporation (BBC) is a British public service broadcaster. Its headquarters are at Broadcasting House in Westminster, London.

5 WWW.ECONOMIST.COM

An economist is a practitioner in the social science discipline of economics.

The individual may also study, develop, and apply theories and concepts from economics and write about economic policy

8 SOCIAL MEDIA

a social networking service (also social networking site or social media) is an online platform which people use to build social networks or social relationship with other people who share similar personal or career interests, activities, backgrounds or real-life connections.

1 WWW.FACEBOOK.COM

Facebook, Inc. is an American social media and technology company based in Menlo Park, California. It was founded by Mark Zuckerberg

2 WWW.INSTAGRAM.COM

Instagram is an American photo and video-sharing social networking service owned by Facebook, Inc. It was created by Kevin Systrom and Mike Krieger,

3 WWW.TWITTER.COM

Twitter is an American microblogging and social networking service on which users post and interact with messages known as "tweets"

4 WWW.LINKEDLN.COM

LinkedIn is an American business and employment-oriented service that operates via websites and mobile apps. Founded on December 28, 2002,[6] and launched on May 5, 2003

5 WWW.TINDER.COM

Tinder is easily combustible material used to start a fire. Tinder is a finely divided, open material which will begin to glow under a shower of sparks. Air is gently wafted over the glowing tinder until it bursts into flame.

9 TV & MOVIE streaming site

TV Streaming is a way of watching TV shows or movies online via a dedicated subscription service.

LISTS

1 WWW.NETFLIX.COM

Netflix is a streaming service that allows members to watch a wide variety of award-winning TV shows, movies, documentaries, and more on thousands of internet-connected devices. With Netflix, you can enjoy unlimited ad-free viewing of our content.

2 WWW.AMAZONPRIME.COM

Amazon Prime is a subscription membership to Amazon that offers customers premium services for a yearly or monthly fee.

3 WWW.YOUTUBE.COM/TV

YouTube TV is a TV- and movie-streaming service that uses YouTube's clean and straightforward interface. Available on smart TVs, streaming boxes, computers and mobile devices, it includes local network broadcast channels, basic cable networks and original web shows from YouTube Red.

4 WWW.HBO.COM

HBO, in full Home Box Office Inc., American cable television company that arguably became the leading premium cable station for its mix of movies and innovative original programming. It was founded in 1972 by Time Inc. The company's headquarters are located in New York City.

5 WWW.SLINGTV.COM

Sling TV is a reliable live TV service with a lot of channel flexibility, but its apps aren't as intuitive as competitors' and its cost has gone up. PCMag editors select and review products independently.

10 Educational

Educational websites can include websites that have games, videos or topic related resources that act as tools to enhance learning and supplement classroom teaching. These websites help make the process of learning entertaining and attractive to the student, especially in today's age

Lists

1 WWW.SCHOLAR.GOOGLE.COM

From one place, you can search across many disciplines and sources: articles, theses, books, abstracts and court opinions, from academic publishers, professional societies, online repositories, universities and other web sites. Google Scholar helps you find relevant work across the world of scholarly research.

2 WWW.GOOGLEBOOKS.COM

Google Books (previously known as Google Book Search and Google Print and by its codename Project Ocean) is a service from Google Inc. that searches the full text of books and magazines that Google has scanned, converted to text using optical character recognition (OCR), and stored in its digital database.

3 WWW.MICROSOFTACCADEMY.COM

Microsoft Academic is a free public web search engine for academic publications and literature, developed by Microsoft Research. Re-launched in 2016, the tool features an entirely new data structure and search engine using semantic search technologies.

4 WWW.WORLDSOURCE.ORG

WorldWideScience.org is a global science search engine (Academic databases and search engines) designed to accelerate scientific discovery and progress by accelerating the sharing of scientific knowledge.

5 WWW.SCIENCE.GOV

Science.gov is a web portal and specialized search engine. Using federated search technology, Science.gov serves as a gateway to United States government scientific and technical information and research.

11 PORTAL

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. 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. Variants of portals include mashups and intranet "dashboards" for executives and managers.

Lists

1 WWW.PORTAL.AAU.EDU.ET

IS a portal site for Addis Ababa institute of technology students

2 WWW.PORTAL.AAU.EDU.ET

IS a portal site for Addis Ababa University of technology students

3 WWW.IN.GOV.ET

As a division of the Indiana Office of Technology, the IN.gov Program is the organizational entity responsible for IN.gov. The IN.gov Program supports all state web design and development and establishes and enforces policies to ensure that IN.gov is safe, secure, and easy to-use.

4 WWW.RAZORFISH.HEALTH

Razorfish Health is the next generation healthcare professional advertising agency with unrivaled digital roots, best-in-class business intelligence, insightful strategy and award-winning creative.

5 WWW.RISDALL.COM

Risdall is an award winning advertising agency that doesn't stand still. ... The full-service agency embraces an integrated approach offering marketing, advertising, public relations, design, traditional and interactive media, and research capabilities

12 WIKI OR FORRUM WEBSITES

An Internet forum, or message board, is an online discussion site where people can hold conversations in the form of posted messages. They differ from chat rooms in that messages are often longer than one line of text, and are at least temporarily archived.

Lists

1 WWW.REDDIT.COM

Reddit is an American social news aggregation, web content rating, and discussion website. Registered members submit content to the site such as links, text posts, and images, which are then voted up or down by other members.

2 WWW.QUORA.COM

Quora is a place to gain and share knowledge. It's a platform to ask questions and connect with people who contribute unique insights and quality answers.

3 WWW.STACK-OVERFLOW.COM

Stack Overflow is the largest, most trusted online community for developers to learn, share their programming knowledge, and build their careers.

4 WWW.XDA-DEVELOPERS.COM

XDA Developers is a mobile software development community launched on 20 December 2002. Although discussion primarily revolves around Android, members also talk about many other operating systems and mobile development topics

5 WWW.GAMESPOT.COM

GameSpot is a video gaming website that provides news, reviews, previews, downloads, and other information on video games

4 Guide lines of Evaluating Web site

1. AUTHORITY

Authority reveals that the person, institution or agency responsible for a site has the qualifications and knowledge to do so.

Evaluating a web site for authority:

Authorship: It should be clear who developed the site. Contact information should be clearly provided: e-mail address, snail mail address, phone number, and fax number.

Credentials: the author should state qualifications, credentials, or personal background that gives them authority to present information.

2. PURPOSE

The purpose of the information presented in the site should be clear. Some sites are meant to inform, persuade, state an opinion, entertain, or parody something or someone.

Evaluating a web site for purpose:

Does the content support the purpose of the site ?

Is the information geared to a specific audience (students, scholars) ?

Is the site organized and focused ?

Are the outside links appropriate for the site ?

Does the site evaluate the links ?

3. COVERAGE

It is difficult to assess the extent of coverage since depth in a site, through the use of links, can be infinite. One author may claim comprehensive coverage of a topic while another may cover just one aspect of a topic.

Evaluating a web site for coverage:

Does the site claim to be selective or comprehensive ?

Are the topics explored in depth ?

Compare the value of the site's information compared to other similar sites.

Do the links go to outside sites rather than its own ?

Does the site provide information with no relevant outside links ?

4. CURRENCY

Currency of the site refers to:

-how current the information presented is, and

-how often the site is updated or maintained.

Evaluating a web site for currency involves finding the date information was:

first written

placed on the web

last revised

5. OBJECTIVITY

Objectivity of the site should be clear. Beware of sites that contain bias or do not admit its bias freely. Objective sites present information with a minimum of bias.

Evaluating a web site for objectivity:

Is the information presented with a particular bias ?

Does the information try to sway the audience ?

Does site advertising conflict with the content ?

Is the site trying to explain, inform, persuade, or sell something ?

6. ACCURACY

There are few standards to verify the accuracy of information on the web. It is the responsibility of the reader to assess the information presented.

Evaluating a web site for accuracy:

-Does the reading you have already done on the subject make the information seem accurate ?

-Reliability: Is the author affiliated with a known, respectable institution ?

-Is the information comparable to other sites on the same topic ?

-Does the text follow basic rules of grammar, spelling and composition ?

-Is a bibliography or reference list included ?

Let us evaluate two websites by the above evaluation techniques

Yahoo.com and Google.com

Looking at both sites

Evaluating by authority

Both Yahoo and Google have clear authorization Owners. And they also give clear credentials for the copyright owners of the content provided by them so Evaluating them by authority they have best authority and credential attributes.

Evaluating by Purpose

Both sites are searching sites they provide an information of another websites we can say that both sites are good searching sites. By seeing the number of user that are satisfied in searching result of both sites. An statics shows that Google have 4.39 billion user and Yahoo have 200 million users . By seeing the statistics we can conclude that Google provide best search result for the customer than that of Yahoo.

Evaluating by Coverage

Both site provide searching result not contents so we can not say much about evaluating by coverage

Evaluating by Currency

Both site update their information by seconds all news in the world is updated 24 hours a day and they have a thousand employer that update information.

Evaluating by Objective

The objective of these sites are to provide best searching result for their user
Evaluating by Accuracy
By seeing the statics of the user that Google provide best accurate result of search
For its users.