

C4 The evolving web

Tim Berners-Lee implemented the first successful communication between a [Hypertext Transfer Protocol \(HTTP\)](#) client and server in 1989 [1]

Web 1.0 is the first generation of the web which according to Berners-Lee, began as a place for broadcasting information to people on request. The early web provided limited user interactions or content contributions and only allowed users to search the information and read it. [2]

Web 2.0 was defined by Dale Dougherty in 2004 as a read-write web [3]. The technologies of web 2.0 allow assembling and managing large global crowds with common interests in social interactions. It is focused on the ability for people to collaborate and share information online [4].

Web 2.0 is different from the Semantic web. The Semantic web is trying to solve the problem of finding and cataloguing information using/creating rules about how data relates to real world objects and ideas. It is also about grouping sets of data together so all data relating to a topic (or person) becomes linked. The Semantic web is sometimes labelled as Web 3.0. [2]

Several technologies are involved in the evolution of Web 2.0.

Cloud services allow data to be online therefore easier to share when this is desirable.

XML and RSS allow web pages to be more interactive as the data they use is much more frequently updated. Web applications allow the same data to be accessible to multiple platforms (i.e. the data available to a phone is the same as that available to a computer). Tags allow communities to form in an informal way and share ideas.

Questions to answer

- 1) Give an example of how web 2.0 is breaking down international barriers.
- 2) Why will future web developments involve new protocols.
- 3) Outline a tool that can be used to find out if newly posted material is likely to be in copyright infringement.
- 4) Discuss the advantages and disadvantages for a web community or social media group to allow contributions without identification
- 5) Is Web 2.0 making the web more democratic or creating unregulated monopolies?

Sources

[1]https://en.wikipedia.org/wiki/Tim_Berners-Lee

[2]<http://www.ftsm.ukm.my/ss/Book/EVOLUTION%20OF%20WWW.pdf>

[3] Tim Berners-Lee. The World Wide Web: A very short personal history, In: , 1998

[4] http://www.webopedia.com/TERM/W/Web_2_point_0.html