



# Introduction to Web Surfing

## 上網入門

- Wei-li Tang 唐瑋勵
- September 19th, 2008.



# Outline 大綱

- Web Browsers 網頁瀏覽器
  - Brief history of evolution on web browser.  
網頁瀏覽器演進史略
  - Microsoft Internet Explorer 7
  - Mozilla Firefox 3
  - Google Chrome
- Search Engines 搜尋引擎
  - Google
  - Cuil
  - Vivisimo Clustering Engine





# Outline 大綱

- Online Encyclopedia 線上百科
  - Wikipedia
  - Grolier Multimedia Encyclopedia
  - Wordpedia 智慧藏百科全書網
- Online Magazines
  - Scientific American 科學人
  - PC Magazine
  - TIME





# History of Web Browser

- The World Wide Web 全球資訊網
  - A system of interlinked hypertext documents accessed via the Internet.
  - With a Web browser, a user views Web pages that may contain text, images, videos, and other multimedia and navigates between them using hyperlinks.





# History of Web Browser

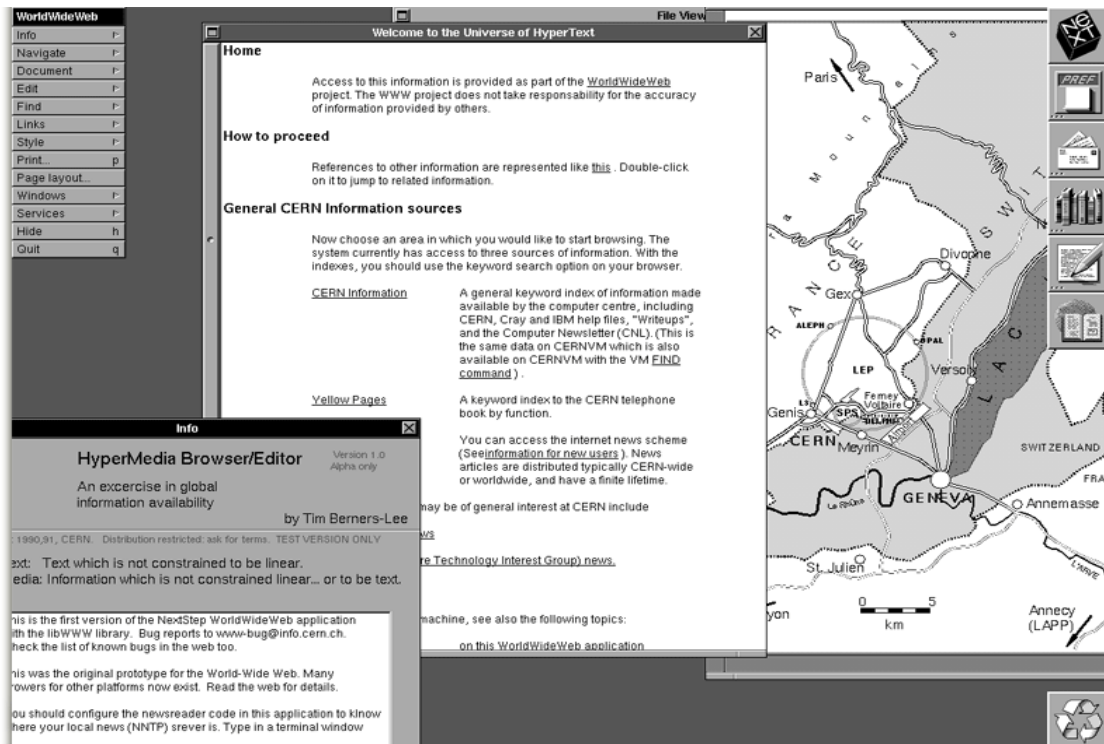
- Tim Berners-Lee - The inventor of WWW
  - He invented WWW in CERN, December 25, 1990.
- <http://info.cern.ch/>
  - The website of the world's first-ever web server.





# History of Web Browser

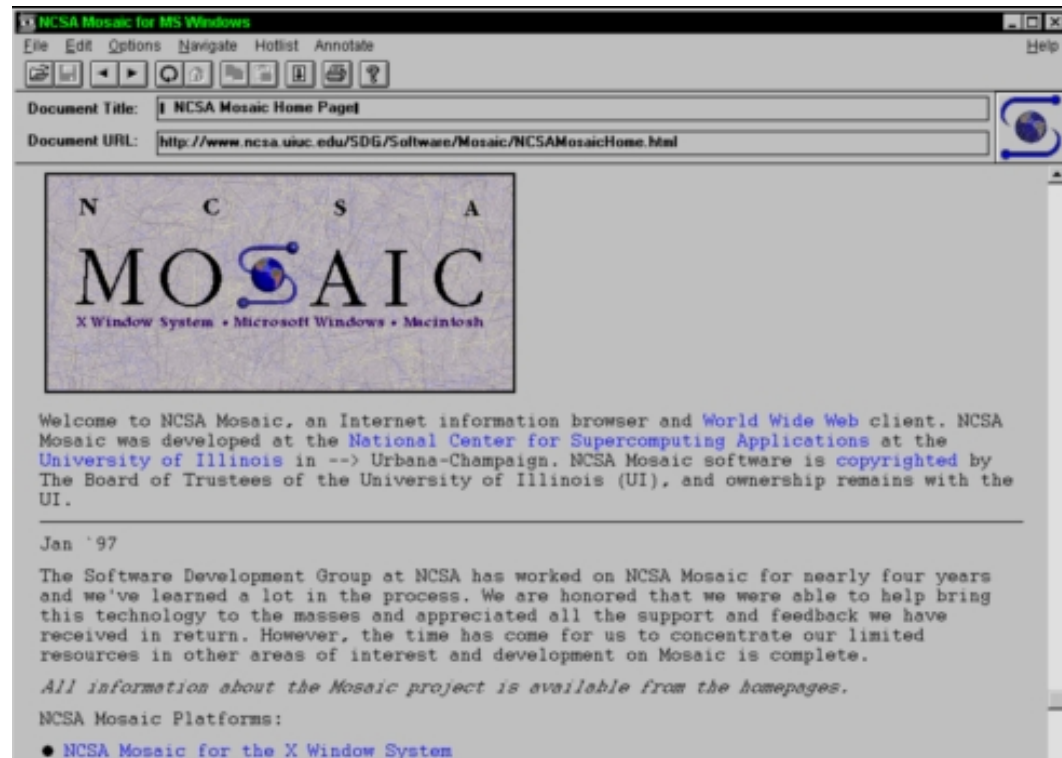
- Tim Berners-Lee's original WWW browser
  - Developed on NeXT computers in 1990.





# History of Web Browser

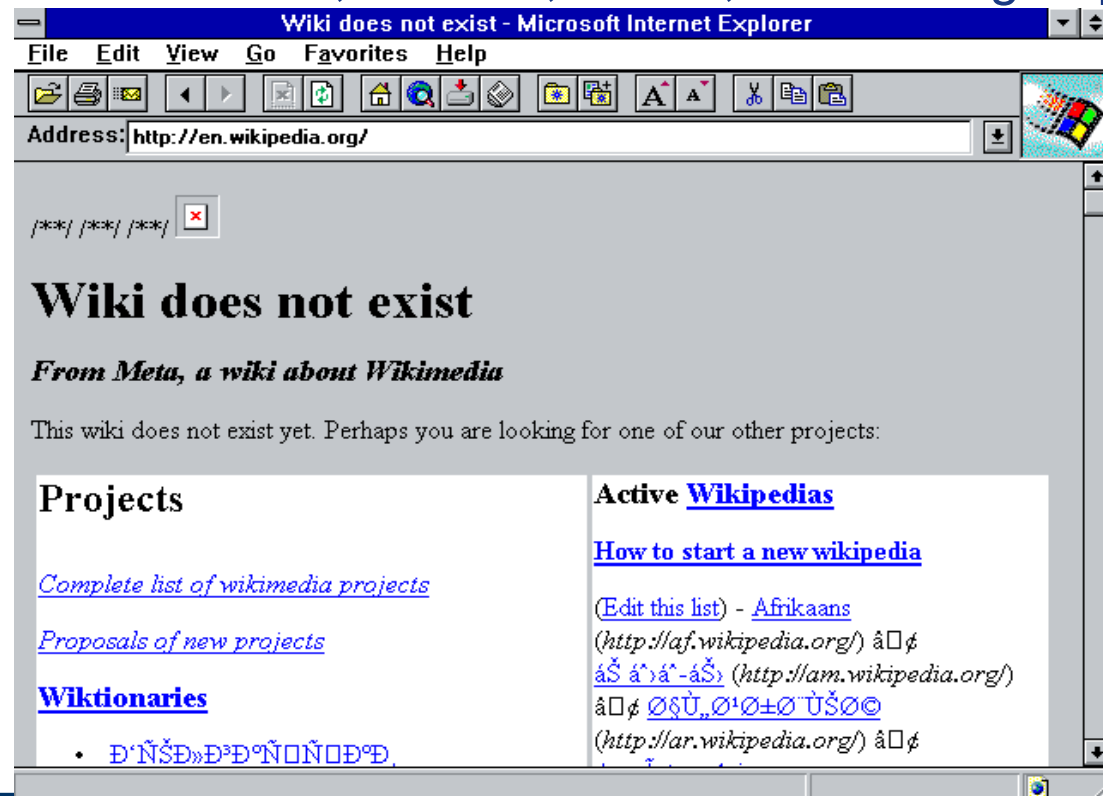
- NCSA Mosaic 1.0 (1993)
  - The browser which popularised the World Wide Web.





# History of Web Browser

- Microsoft Internet Explorer 2.0 (1995)
  - Features SSL, cookies, VRML, and Newsgroups.







# History of Web Browser

- Netscape Navigator 4.05 (1997)
  - Support plug-ins: Java, Quicktime, etc.





# Modern Web Browsers

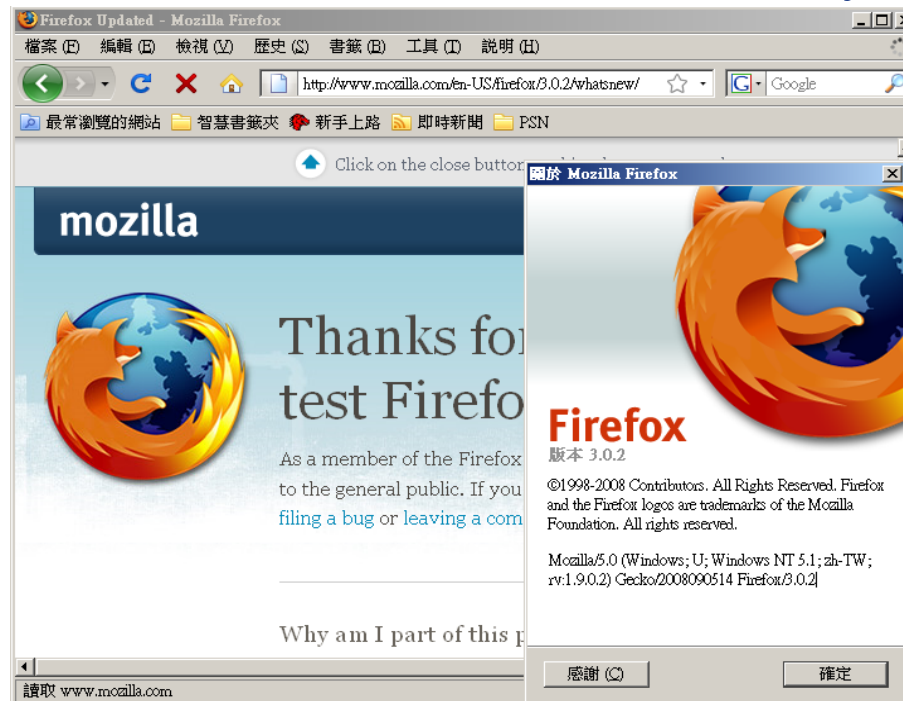
- Microsoft Internet Explorer 7 (2006)
  - Tabbed browsing, page zooming, phishing filter, etc.





# Modern Web Browsers

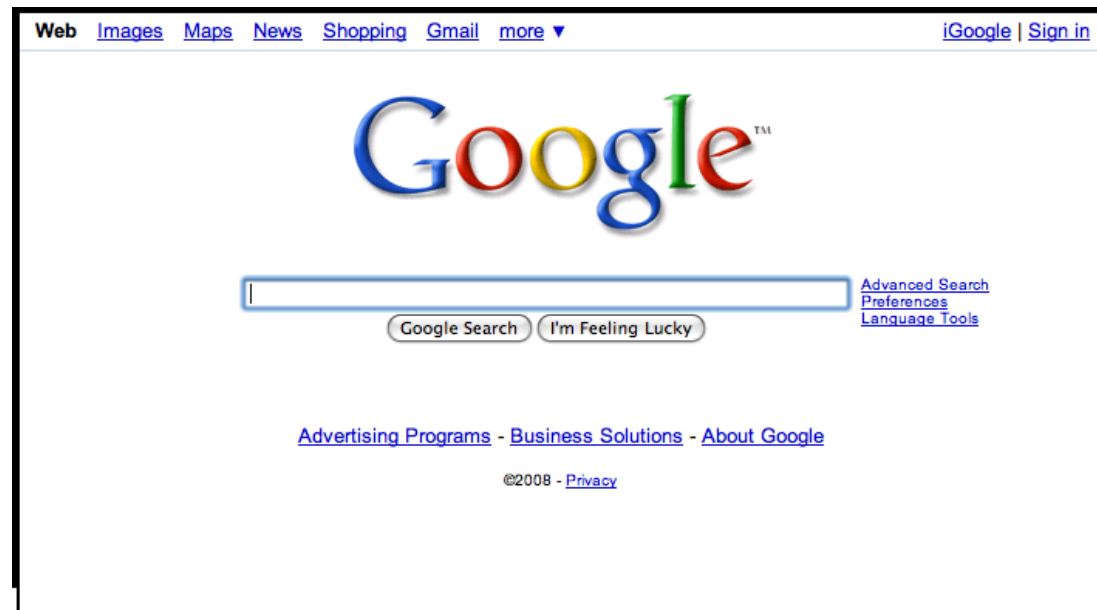
- Mozilla Firefox 3 (2008)
  - A free and open source web browser.
  - Add-ons, incremental find, search system, etc.





# Search Engines

- **Google**
  - The most used search engine on the Web.
  - Google receives several hundred million queries each day through its various services.





# Search Engines

- Cuil
  - A search engine that organizes web pages by content and displays relatively long entries along with thumbnail pictures for many results.

The screenshot shows the Cuil search engine interface. At the top, there is a search bar with 'Harry Potter' entered and a 'Search' button. Below the search bar, there are navigation links for 'All Results', 'Harry Potter Books', 'Harry Potter Games', and 'Harry Potter S... more...'. The main content area displays search results for 'Harry Potter' with 29,800,000 matches. The results are organized into columns. The first column features a result for 'J. K. Rowling' with a thumbnail of her name. The second column shows 'Harry Potter - The Official Site' with a synopsis and a thumbnail of a character. The third column lists 'Harry Potter and the Order of the Phoenix' with a thumbnail of the book cover. The fourth column includes 'The Leaky Cauldron' with a thumbnail of a character and 'The Harry Potter Lexicon' with a thumbnail of the website. The fifth column has 'MuggleNet' with a thumbnail of a character and 'Harry Potter and den flammande bagaren' with a thumbnail of a character. On the right side, there is a sidebar with 'Explore by Category' and 'Actors'.



# Search Engines

- **Vivisimo Clustering Engine**
  - Clustering search results based on topic.
    - For example, dividing the results of a search for "cell" into groups like "biology," "battery," and "prison."

The screenshot displays the Vivisimo search engine interface. At the top left is the Vivisimo logo. To the right, there are navigation links for 'company', 'products', 'solutions', and 'customers'. A search bar contains the query 'vivisimo', and below it, the text 'Language: english - Timeout: 5000ms - Return: 50' is visible. The main content area is divided into two columns. The left column, titled 'Clustered Results', shows a tree view of search results grouped into clusters: 'vivisimo (404)', 'Search Engines (157)', 'Clustering (59)', 'Google (59)', 'Search Tool (24)', 'Library (24)', 'eBay (14)', 'Blog (24)', 'Clustr, Vivisimo Launches (14)', 'Toolbar (13)', and 'Education (13)'. A 'More' link is at the bottom of this list. The right column, titled 'Top 404 results retrieved for the query: vivisimo', lists four search results with their titles, URLs, and source information. At the bottom of the interface, there is a 'Find in clusters' section with an 'Enter Keywords' input field and a search button.





# Online Encyclopedia

- **Wikipedia**
  - A free, multilingual, open content encyclopedia.
  - Written collaboratively by volunteers.

The screenshot shows the Chinese Wikipedia homepage. At the top, there is a search bar and a navigation menu with links like '首頁', '討論', '原始碼', '歷史', '不轉換', '簡體', '繁體', '大陸簡體', '港澳繁體', '馬新簡體', and '台灣正體'. The main content area includes a '特色條目' (Featured Article) section with a 3D model of a ribosome and a '新聞動態' (News) section with several news items. The '特色條目' section is titled '外切體複合物' and describes its function in RNA processing. The '新聞動態' section lists events such as the 2008 Summer Paralympics and the 2008 Chinese National People's Congress.



# Online Encyclopedia

- **Grolier Multimedia Encyclopedia**
  - Originated from the *Academic American Encyclopedia* CD-ROM.
  - The first encyclopedia to be published electronically
- **Wordpedia 智慧藏百科全書網**
  - 國內中文線上百科







# Online Magazines

- Scientific American 科學人
  - A magazine that brings articles about new and innovative research to the amateur and lay audience.



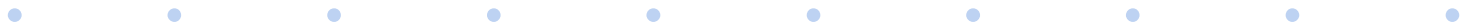


# Online Magazines

- **PC Magazine**
  - A computer magazine that is published monthly in the United States.
- **TIME**
  - A weekly American newsmagazine, similar to *Newsweek* and *U.S. News & World Report*.



**TIME**





# Q&A: Any questions?

Thanks!

Wei-li Tang  
[alexwl@ms11.voip.edu.tw](mailto:alexwl@ms11.voip.edu.tw)

September 19th, 2008.

