WEB STANDARDS

W01 EXERCISE

**1.1 What are Web Standards**

Web standards are the set of technical specification used to define the World wide web. These are best practise methods and standards used by Organizations or individuals when building web applications and pages. The W3C or World Wide Web Consortium provide protocols and guidelines necessary for long term growth of web.

The tools ‘**Enquire’** developed at CERN by Tim Berners Lee in 1989 became the World Wide web that is used today. He wrote the standards for HTML and HTTP.

**1.2 Some of the Web standards**

**1.3 List of Browsers available for UNIX system**

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| --- | --- | --- | --- | --- |
| [**Web browser**](https://en.wikipedia.org/wiki/Web_browser) | [**Layout engine**](https://en.wikipedia.org/wiki/Browser_engine) | [**UI**](https://en.wikipedia.org/wiki/User_Interface)[**toolkit**](https://en.wikipedia.org/wiki/Widget_toolkit) | **Source model** | **Notes** |
| [**Brave**](https://en.wikipedia.org/wiki/Brave_(web_browser)) | [Blink](https://en.wikipedia.org/wiki/Blink_(software)) | [GTK](https://en.wikipedia.org/wiki/GTK) | Open-source | Mozilla Public License, version 2 |
| [**Chromium**](https://en.wikipedia.org/wiki/Chromium_(web_browser)) | [Blink](https://en.wikipedia.org/wiki/Blink_(layout_engine)) | [GTK](https://en.wikipedia.org/wiki/GTK) | Open-source | Close affinity with [Google Chrome](https://en.wikipedia.org/wiki/Google_Chrome) |
| [**Dillo**](https://en.wikipedia.org/wiki/Dillo) | Dillo | [FLTK](https://en.wikipedia.org/wiki/FLTK) | Open-source | Versions prior to 2.0 were built upon [GTK+](https://en.wikipedia.org/wiki/GTK%2B). |
| [**Dooble**](https://en.wikipedia.org/wiki/Dooble) | [Qt WebEngine](https://en.wikipedia.org/wiki/Qt_WebEngine) | [Qt](https://en.wikipedia.org/wiki/Qt_(toolkit)) | Open-source | [BSD License](https://en.wikipedia.org/wiki/BSD_License) |
| **Fifth** | [WebKit](https://en.wikipedia.org/wiki/WebKit) | [FLTK](https://en.wikipedia.org/wiki/FLTK) | Open-source | Aimed at replicating the pre-v15 Opera user experience. |
| [**GNU IceCat**](https://en.wikipedia.org/wiki/GNU_IceCat) | [Gecko](https://en.wikipedia.org/wiki/Gecko_(layout_engine)) | [XUL](https://en.wikipedia.org/wiki/XUL) | Open-source | Rebranded [Mozilla Firefox](https://en.wikipedia.org/wiki/Mozilla_Firefox), renamed from [Iceweasel](https://en.wikipedia.org/wiki/Mozilla_Corporation_software_rebranded_by_the_Debian_project" \o "Mozilla Corporation software rebranded by the Debian project) |
| [**Google Chrome**](https://en.wikipedia.org/wiki/Google_Chrome) | [Blink](https://en.wikipedia.org/wiki/Blink_(layout_engine)) | [GTK](https://en.wikipedia.org/wiki/GTK) | Closed source | Based on [Chromium](https://en.wikipedia.org/wiki/Chromium_(web_browser)) - [Freeware](https://en.wikipedia.org/wiki/Freeware) under Google Chrome Terms of Service |
| [**iCab**](https://en.wikipedia.org/wiki/ICab) | [WebKit](https://en.wikipedia.org/wiki/WebKit) | [Cocoa](https://en.wikipedia.org/wiki/Cocoa_(API)) | Closed source | Versions prior to 4 used custom layout engine |
| [**Kirix Strata**](https://en.wikipedia.org/wiki/Kirix_Strata) | [Gecko](https://en.wikipedia.org/wiki/Gecko_(software)) | [wxWidgets](https://en.wikipedia.org/wiki/WxWidgets) | Closed source |  |
| [**Konqueror**](https://en.wikipedia.org/wiki/Konqueror) | [KHTML](https://en.wikipedia.org/wiki/KHTML), [WebKit](https://en.wikipedia.org/wiki/WebKit" \o "WebKit) | [Qt](https://en.wikipedia.org/wiki/Qt_(toolkit)) | Open-source | Default web browser for [KDE](https://en.wikipedia.org/wiki/KDE) |
| [**Midori**](https://en.wikipedia.org/wiki/Midori_(browser)) | [WebKit](https://en.wikipedia.org/wiki/WebKit) | [GTK](https://en.wikipedia.org/wiki/GTK) | Open-source | Default browser for [Xfce](https://en.wikipedia.org/wiki/Xfce" \o "Xfce) |
| [**Mozilla Firefox**](https://en.wikipedia.org/wiki/Mozilla_Firefox) | [Gecko](https://en.wikipedia.org/wiki/Gecko_(software)) | [XUL](https://en.wikipedia.org/wiki/XUL) | Open-source |  |
| [**NetSurf**](https://en.wikipedia.org/wiki/NetSurf) | NetSurf | [GTK](https://en.wikipedia.org/wiki/GTK), [Framebuffer](https://en.wikipedia.org/wiki/Framebuffer) | Open-source | NetSurf is not tied to any particular UI toolkits. Currently GTK and framebuffer front end implementations exist. For [RISC OS](https://en.wikipedia.org/wiki/RISC_OS), Amiga and others. |
| [**Opera**](https://en.wikipedia.org/wiki/Opera_(web_browser)) | [Blink](https://en.wikipedia.org/wiki/Blink_(layout_engine)) | [Xlib](https://en.wikipedia.org/wiki/Xlib) | Closed source | Opera used its own renderer, Presto, through version 12.XX. Linux versions were suspended when Opera moved to Blink and resumed with version 26. |
| [**Otter Browser**](https://en.wikipedia.org/wiki/Otter_Browser) | [WebKit](https://en.wikipedia.org/wiki/WebKit)/[Blink (engine)](https://en.wikipedia.org/wiki/Blink_(engine)) | [Qt](https://en.wikipedia.org/wiki/Qt_(software)) | Open-source | Aimed at replicating the pre-v15 Opera user experience. |
| [**Pale Moon**](https://en.wikipedia.org/wiki/Pale_Moon_(web_browser)) | [Goanna](https://en.wikipedia.org/wiki/Goanna_(software)) | [XUL](https://en.wikipedia.org/wiki/XUL) | Open-source | Pale Moon is a [fork](https://en.wikipedia.org/wiki/Fork_(software_development)) of [Firefox](https://en.wikipedia.org/wiki/Firefox) with substantial divergence, especially for [add-ons](https://en.wikipedia.org/wiki/Add-on_(Mozilla)) and [user interface](https://en.wikipedia.org/wiki/User_interface). |
| [**Falkon**](https://en.wikipedia.org/wiki/Falkon)**(QupZilla)** | [Qt WebEngine](https://en.wikipedia.org/wiki/Qt_WebEngine) | [Qt](https://en.wikipedia.org/wiki/Qt_(toolkit)) | Open-source |  |
| [**Roccat Browser**](https://en.wikipedia.org/wiki/Roccat_Browser) | [WebKit](https://en.wikipedia.org/wiki/WebKit) | [Cocoa](https://en.wikipedia.org/wiki/Cocoa_(API)) | Closed source |  |
| [**Safari**](https://en.wikipedia.org/wiki/Safari_(web_browser)) | [WebKit](https://en.wikipedia.org/wiki/WebKit) | [Cocoa](https://en.wikipedia.org/wiki/Cocoa_(API)) | Closed source |  |
| [**SeaMonkey**](https://en.wikipedia.org/wiki/SeaMonkey) | [Gecko](https://en.wikipedia.org/wiki/Gecko_(software)) | [XUL](https://en.wikipedia.org/wiki/XUL) | Open-source | Community-developed version of now abandoned [Mozilla Application Suite](https://en.wikipedia.org/wiki/Mozilla_Application_Suite) codebase |
| [**SRWare Iron**](https://en.wikipedia.org/wiki/SRWare_Iron) | [Blink](https://en.wikipedia.org/wiki/Blink_(layout_engine)) | [GTK](https://en.wikipedia.org/wiki/GTK) | Closed-source | Based on [Chromium](https://en.wikipedia.org/wiki/Chromium_(web_browser)), removes information transfer to third parties such as Google by default. Has had its source code available at various points in development but currently has a proprietary codebase |
| [**Surf**](https://en.wikipedia.org/wiki/Surf_(web_browser)) | [WebKitGTK](https://en.wikipedia.org/wiki/WebKitGTK) | keyboard-driven | Open-source | [Minimalist](https://en.wikipedia.org/wiki/Minimalism_(computing)) web browser. |
| [**TenFourFox**](https://en.wikipedia.org/wiki/TenFourFox) | [Gecko](https://en.wikipedia.org/wiki/Gecko_(software)) | [XUL](https://en.wikipedia.org/wiki/XUL) | Open-source | [PowerPC](https://en.wikipedia.org/wiki/PowerPC) build of [Firefox](https://en.wikipedia.org/wiki/Firefox) for [Mac OS X](https://en.wikipedia.org/wiki/Mac_OS_X) |
| [**GNOME Web**](https://en.wikipedia.org/wiki/GNOME_Web) | [WebKit](https://en.wikipedia.org/wiki/WebKit) | [GTK](https://en.wikipedia.org/wiki/GTK) | Open-source | Formerly called Epiphany; Versions prior to 2.27.0 were built upon [Gecko](https://en.wikipedia.org/wiki/Gecko_(layout_engine)) |
| [**Waterfox**](https://en.wikipedia.org/wiki/Waterfox) | [Gecko](https://en.wikipedia.org/wiki/Gecko_(layout_engine)) | [XUL](https://en.wikipedia.org/wiki/XUL) | Open-source | Firefox fork |