**History of the URL:**

The founder of the **URL** is **Tim Berners-Lee**, in 1992 he gave birth to the things that we consider in the Internet. That includes also the HTTP protocol, HTML, and the URL. Uniform Resource Locators were defined in RFC 1738 in **1994** by the inventor Sir Timothy John Berners-Lee also known as TimBL. Tim Berners-Lee is an english engineer and computer scientist, and he is also known as the inventor of the World Wide Web. Tim Berners-Lee is the director of the World Wide Web Consortium or also known as W3C, which oversees the continued development of the WEB.

**URL** is the most common type of the URI or Uniform Resource Identifier. URIs are strings of characters used to identify a resource over a network.

* It is the syntax and semantics of formal information for location and access of web or resources via the Internet.
* The specification of this is the
* A URL is mainly used to point a webpage, componen of a webpage or program on a website. The resource name consists of:

1. **Domain name** – identifying a server or the web service
2. **Program name** – a path to the file on the server

* It can also specify a network port to use in making the connection or a specific reference point within a file, named anchor in an Hypertext Markup Language file.

Ex: <http://www.ietf.org/rfc/rfc2396.htm>

Uniform Resource Locator (URL) syntax:

resource\_type://hostname.domain:port/filepathname#anchor

* **Specific Schemes:**

1. **FTP** – File Transfer Protocol
2. **HTTP** – Hypertext Transfer Protocol
3. **mailto** – Electronic mail address
4. **wais** – Wide Area Information Servers
5. **file** – Host-specific fiile names
6. **gopher** – The Gopher protocol
7. **telnet** – Reference to interactive sessions

Common Internet Scheme Syntax:

The syntax for the rest of the URL may vary depending on the particular scheme, URL schemes that involve the direct use of an IP-based protocol to a specified host on the Internet that uses a common syntax for the scheme-specific data:

//<user>:<password>@<host>:<port>/<url-path>

The different components obey the following rules:

* user – it is an optional username that allows the specification of a user name.
* password – it is an optional password, if present, it follows the username separated from its by a colon.