

The main functionality of the browser is to get the information from the world wide web and present it in a User readable form or upload any information to store it in world wide web.

Below are some of the major components of the browser.

- The User Interface - Its the part where user can interact with the content in the web.
- The Browser engine - a bridge between UI and rendering engine
- The rendering engine - is responsible for displaying the requested contents of the web.
- Networking - to establish connection with various applications and machines across the web.
- UI backend - for drawing basic widgets
- Javascript interpreter - Used to parse and execute the Javascript Code
- Data storage - used to store history and cookies etc.

When we enter a URL into the browser the URL. URL has three parts:

The scheme part that has, https, ftp, mailto, file, etc. This tell the browser the type of connection to be established.

The Domain part is basically the sites name. This points to the server's IP address.

Then the path to access the files/ content from the directory.

Browser establishes a TCP connection with the server and sends a HTTP request

Server responds to the request and the browser renders the content.

