# Structure of web browser:

## The user interface:

Provides a way in which user interacts with browser engine. Components are address bar, forward/backward button, bookmarking menu etc.

## The browser engine:

It acts as an interface between UI and rendering engine also provides high level interface to rendering engine. It starts the action between URL loading and other high-level browsing actions.

## The rendering engine:

Provides visual representation of given URL. It merges HTML, CSS, JavaScript and generates layout of webpage. HTML parser is key component of rendering engine. Different browsers use different rendering engine IE uses Trident, Firefox uses Gecko, safari uses Web Kit, chrome uses Blink engine.

## The networking:

Provides functionality to handle retrieve URL’S using HTTP and FTP. It also handles internet communication and security. It implements cache which is useful to decrease internet traffic.

## The JavaScript Interpreter:

It executes JavaScript script code in web browser. The execution result is then passed to rendering engine.

## UI Backend:

Provides stylish user interface just like modern operating shows. Also used for drawing basic widgets like combo boxes and windows.

## The data storage:

Manages user data such as bookmarks, cookies, and other preferences. It also acts as web database in web browser