

## 13 Browser

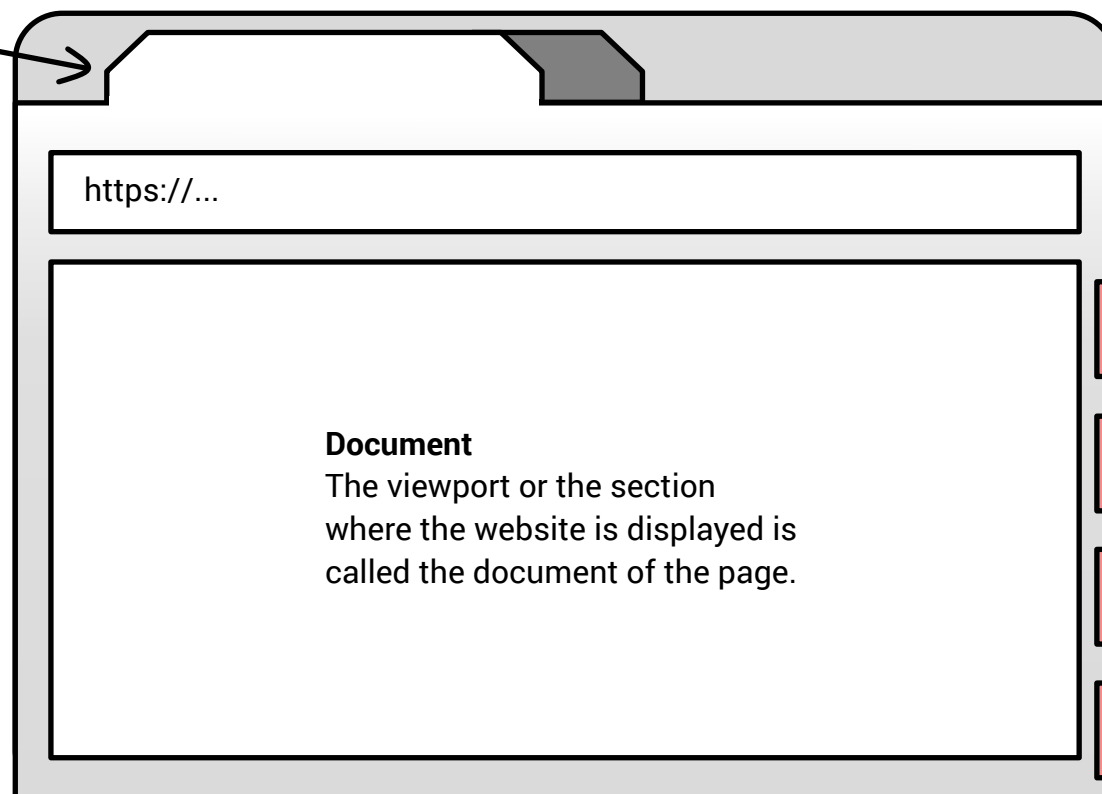
A web browser is a pretty advance piece of software which contains a lot of components. Many of these components are accessible to a web developer, so we can create complex web apps. At the same time a lot of components are kept out of reach of the web developer for security purposes. For instance, we as web developers can get access to the user's location, but we cannot get access to the user's saved passwords or browsing history. **Let's see below how a browser is structured:**

### Window

Each tab of a browser is considered the window.

This is the outer most container that a web-app can access.

Notice: A website opened in one tab CANNOT access the window object of another tab. Pretty cool right?



The browser contains a lot of components that a Front-End Developer may need, such as **Navigator**, **JavaScript Engine** and **Dev Tools**.

Navigator

HTML / CSS Processor

JavaScript Engine

Dev Tools