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| **Feature** | **document Object** | **window Object** |
| **Frames and iframes** | Manages content within frames and iframes using methods like **frames** and **getElementById** within a frame. | Can access and manage content in frames and iframes, but also has properties like **frames** and **parent** to navigate the window hierarchy. |
| **Offline Capabilities** | Handles offline events and caching for the specific document. | Manages offline capabilities and caching for the entire browser context. |
| **Scroll Position** | Provides information about the scroll position within the document using properties like **scrollTop**. | Allows control and retrieval of the scroll position for the entire window using properties like **scrollX** and **scrollY**. |
| **Local Resources** | Manages local resources like images and scripts loaded within the document. | Has broader control over loading and managing local resources for the entire window. |
| **Document Type** | Represents the type of document, such as HTML, through properties like **documentType**. | Does not directly represent the type of the window. |
| **Caret Position** | Can determine and manipulate the caret position within editable elements in the document. | Doesn't provide direct control over the caret position. |
| **ContentEditable Property** | Manages the **contentEditable** property to make elements editable within the document. | Does not directly control the **contentEditable** property for the entire window. |
| **CSS Stylesheets** | Can access and manipulate CSS stylesheets specific to the document using **styleSheets**. | Does not directly access or manipulate CSS stylesheets at the window level. |
| **Document Title** | Represents the title of the HTML document through the **title** property. | The **document** title is usually reflected in the window's title bar, but the window has its own **document**.**title** property. |
| **XML Documents** | Can represent and manipulate XML documents using methods like **load** and **createElementNS**. | Does not have direct methods for handling XML documents. |
| **Media Handling** | Manages media elements (audio and video) within the document using properties and methods like **createElement('audio'**). | Can control media playback but doesn't handle specific media elements within the window context. |
| **Clipboard API** | Allows manipulation of the clipboard within the document using methods like **execCommand('copy').** | Does not provide direct access to clipboard manipulation. |
| **Web Workers** | Cannot directly manage web workers; it operates within the context of a single document. | Can spawn and manage web workers at the window level. |
| **Error Handling** | Handles errors specific to the document through events like **error** on elements. | Can capture and handle global errors through events like **error** at the window level. |
| **Web Storage Events** | Listens for changes to local storage and session storage within the document. | Listens for changes to storage at the window level. |
| **Security Policies** | Enforces security policies specific to the document, such as Content Security Policy (CSP). | Enforces security policies at the window level, affecting all documents. |
| **Event Propagation** | Manages event propagation within the document hierarchy using methods like **stopPropagation**. | Event propagation can be controlled globally within the window context. |
| **Script Execution** | Handles script execution within the document, including events like **DOMContentLoaded**. | Controls script execution at the window level, including events like **load**. |
| **History Management** | Manipulates the session history of the specific document using methods like **history**.**pushState**. | Controls the entire session history of the window using methods like **history**.**pushState**. |
| **Web Authentication API** | Can be used for client-side authentication within the document. | Does not directly handle client-side authentication; it may involve external APIs. |