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1. Write a blog on the difference between document & window objects

In the vast realm of web development, two key objects play fundamental roles: the Document object and the Window object.

The Document Object

The Document Object represents the web page loaded in the browser. It serves as an interface to manipulate the various elements of the page, such as HTML elements, CSS styles, and DOM.

Key features of Document Object

1) Accessing Elements

2) Modifying Contents

3) Events Handling

The Window Object

The window object represents the browser window or tab that contains the loaded web page. It acts as a global object for Javascript in the browser context & provides access to a wide range of functionalities related to the window or tab itself, as well as the document loaded within it.

The window object is responsible for managing various browser-related tasks and serves as a container for multiple Document objects.

Key features

1) Controlling the window

2) Accessing Document Object

3) Managing Timers

Distinguish Document from Window

To summarize the difference between the Document and Window Objects.

- The Document object represents the loaded web page and provides access to its content, structure and DOM elements

- The Window object represents the browser window or tab and offers functionalities related to the window itself.

- The Document object is contained within the Window object and can be accessed via the 'document' property of the Window object.

Conclusion

In the realm of web development, understanding the difference between the Document & Window objects is vital for creating interactive and dynamic web experiences. While the Document object focused on manipulating the content & structure of the loaded web page, the Window object provides broader control over the browser window/tab. Both objects plays distinct roles in web development and possess unique functionalities that contribute to the creation of engaging & user friendly websites.