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Mahiravani, Trimbak Road, Tal. & Dist. Nashik-422213, Maharashtra, India.

Date :

Experiment NO:01-B

Javascript, Ajax

Aim:-

Write a Javascript program to get the user registration data and push to array / local storage. With Ajax Post method and datalist in new page.

Theory:-

Ajax stands for Asynchronous Javascript and XML. Ajax is a new technique for creating better, faster and more interactive web applications with the help of XML, HTML, CSS and Javascript. Ajax uses XHTML for content, CSS for presentation along with Document Object Model and Javascript for dynamic content display.

Conventional web applications transmit information to and from the server using Synchronous requests. It means you fillout a form, hit submit and get directed to a new page with new information from the server.

With Ajax, when you hit submit, Javascript will make a request to the server, interpret the results, and update the current screen. In the purest sense, the user would never know that anything was even transmitted to the server. XML is commonly used as the format for receiving server data although any format, including plaintext, can be used. Ajax web browser technology independent of web server in the background.

Ajax - Events: Onready, statechange Event properties



Ajax - Events: Onreadystatechange Event properties

property	Description
onreadystatechange	It is called whenever readyState attribute changes. It must not be used with synchronous requests.
readyState	<p>represents the state of the request. It ranges from 0 to 4.</p> <ul style="list-style-type: none"> 0: request not initialized (open() is not called) 1: Server connection established (open is called but send() is not called) 2: request received (send() is called and headers and status are available) 3: processing request (downloading data; responseText holds the data) 4: request finished and response is ready (the operation is completed fully)
status	<p>200: "OK"</p> <p>403: "Forbidden"</p> <p>404: "Page Not Found"</p>

XMLHttpRequest object properties:

property	Description
readyState	An integer from 0...4 (0 means the call is uninitialized, 4 means that the call is complete).
onreadystatechange	Determines the function called when the object's readyState changes.

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readyState is uninitialized, 4 means that the call is complete).

readyStatechange Determines the function called when the object's readyState changes.



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responseText Data returned from the server as a text string (read-only).

responseXML Data returned from the server as an XML document object (read-only).

2

Status HTTP status code returned by the server.

StatusText HTTP status phrase returned by the server.

Conclusion:

We have created a registration form using javascript & store data to local storage using Ajax post method.

