

Back WAD lab practical manual

**SANDIP FOUNDATION'S
SANDIP INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE**

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

Date :

Experiment No: 01-B

Javascript AjaxAim:

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 fill out 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 is independent of web server in the background.

Ajax - Events: onreadystatechange Event properties



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Ajax - Events: onreadystatechange Event properties

property	description
onreadystatechange	It is called whenever readyState attribute changes. It must not be used with synchronous requests.
readyState	represents the state of the request. It ranges from 0 to 4. <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	900 : "OK" 403 : "Forbidden" 404 : "Page Not Found"

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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on my statechange Determines the function called when the object's state changes.



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

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

1

Status

Comments are welcome and may be sent to the [EDITOR](http://www.ijer.org)

status Text

HTTP status phrase returned by the server.

Conclusion:

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

```
Run and Debug -> ④ Welcome -> ⑤ spa-communica-tion.html -> ⑥ Listener: Heroku Page Not for VS Code
```

```
① spa-communica-tion.html
```

```
② <div id="spa">
```

```
③ <div id="app">
```

```
④ <h1>Hello friends!</h1>
```

```
⑤ <h2>Welcome to React!</h2>
```

```
⑥ <button type="button" onclick="load()>
```

```
⑦ <span>Submit</span>
```

```
⑧ </button>
```

```
⑨ </div>
```

