

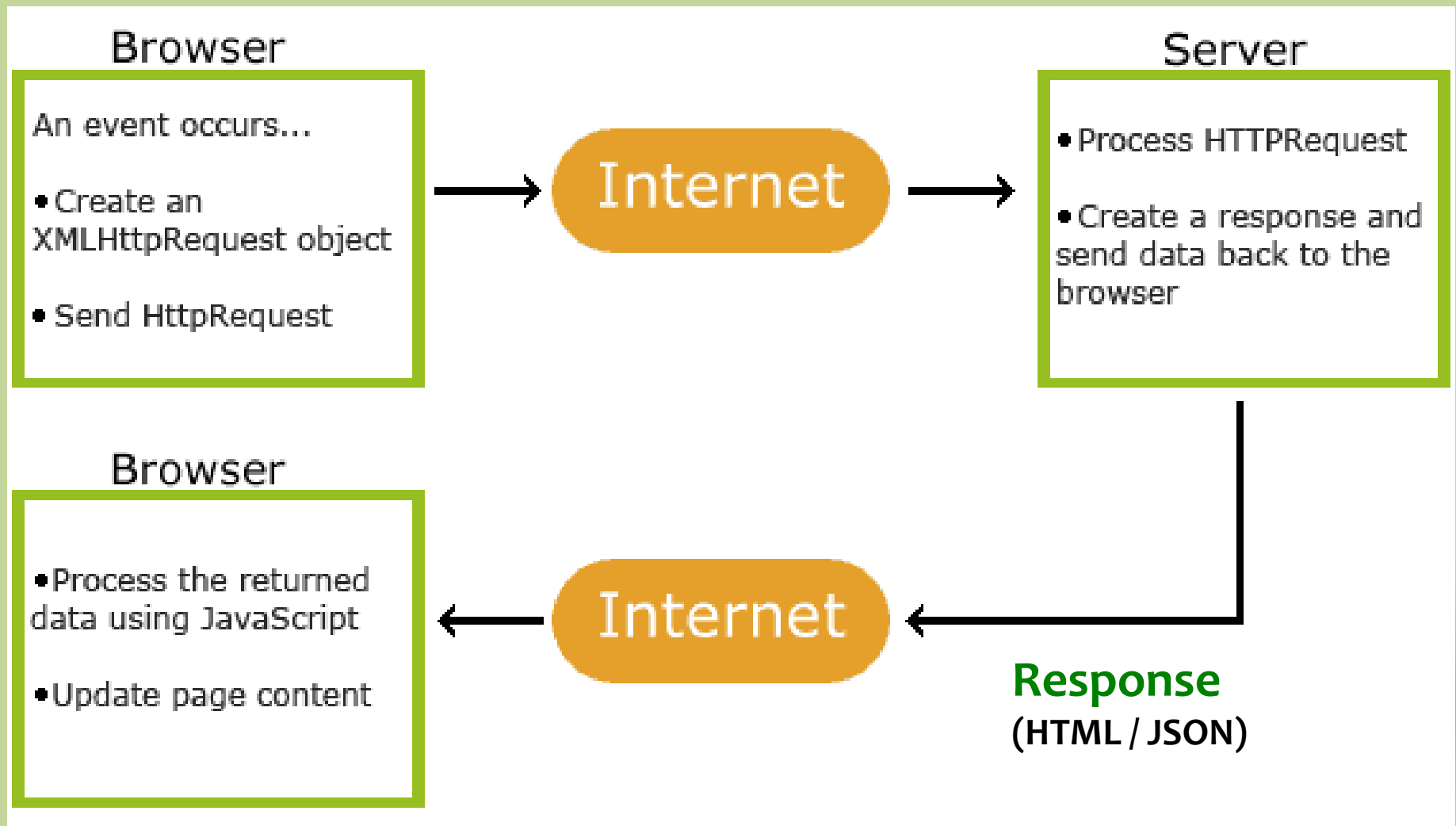


- **AJAX** stands for "Asynchronous JavaScript And XML".
- AJAX is used to get quick updates from server; without refreshing the full page.
- It is used to connect to the server asynchronously (in background) and also fetch the data from server.

- Page Execution speed will be increased.
- Less burden on the servers, clients and also internet connections, as we exchange light-weight data.
- Interaction between server and client will be done in background asynchronously only; so that users need NOT wait much time for getting the response.

1. Internally browser sends an asynchronous request to server.
 2. Server will process the request provides response to the browser.
 3. Browser will use java script / jQuery to show the response on the page.
- Benefit: The page will not be reloaded; so that performance will be improved a lot.

How AJAX Works?



- AJAX is built based on:
 1. XMLHttpRequest (XHR) object
 2. Java Script
 3. CSS
 4. XML / JSON

Sl. No	Technology / Language	Description
1	XMLHttpRequest	<ul style="list-style-type: none">• It is a browser-based object, which is supported by most of modern browsers.• It is used to send asynchronous request to server.
2	Java Script (or) jQuery	<ul style="list-style-type: none">• It is used to update the page, when you got response from server.
3	CSS	<ul style="list-style-type: none">• It is used to add styles.
4	XML / JSON	<ul style="list-style-type: none">• It is used to exchange structured data.

```
$.ajax(  
  { cache: false, url: "serverpage.asp",  
    success: function (response)  
      {  
        //show response in the page  
      }  
    });
```