

 Home

 Interview Questions

 Java

 SQL

 Python

 JavaScript

 Angular



AJAX Interview Questions

A list of frequently asked AJAX interview questions and answers are given below.

1) What is AJAX?

AJAX stands for Asynchronous JavaScript and XML. It is a group of related technologies used to display data asynchronously. In other words, it sends and retrieves data without reloading the web page. [More details.](#)

2) What are the advantages of AJAX?

- Quick Response
 - Bandwidth utilization
 - The user is not blocked until data is retrieved from the server.
 - It allows us to send only important data to the server.
 - It makes the application interactive and faster.
-

3) What are the disadvantages of AJAX?

- Dependent on JavaScript
 - Security issues
 - Debugging is difficult
-

4) What are the real web applications of AJAX currently running in the market?

- Twitter
 - Facebook
 - Gmail
 - Javatpoint
 - Youtube
-

5) What are the security issues with AJAX?

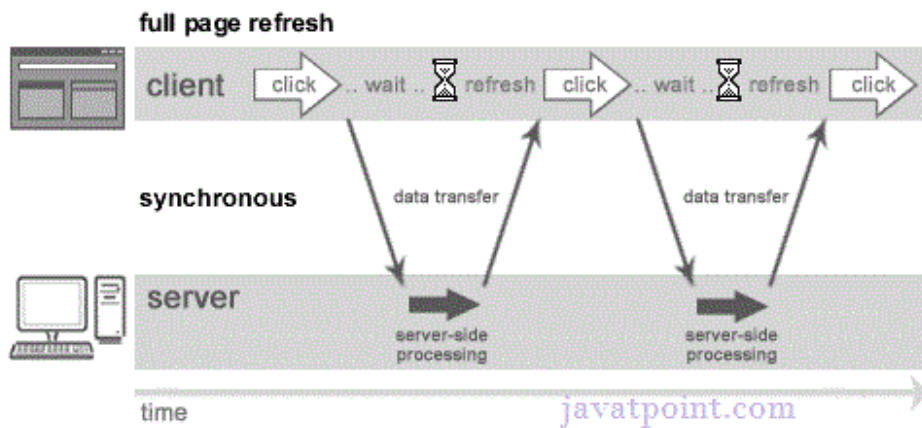
- AJAX source code is readable
 - Attackers can insert the script into the system
-



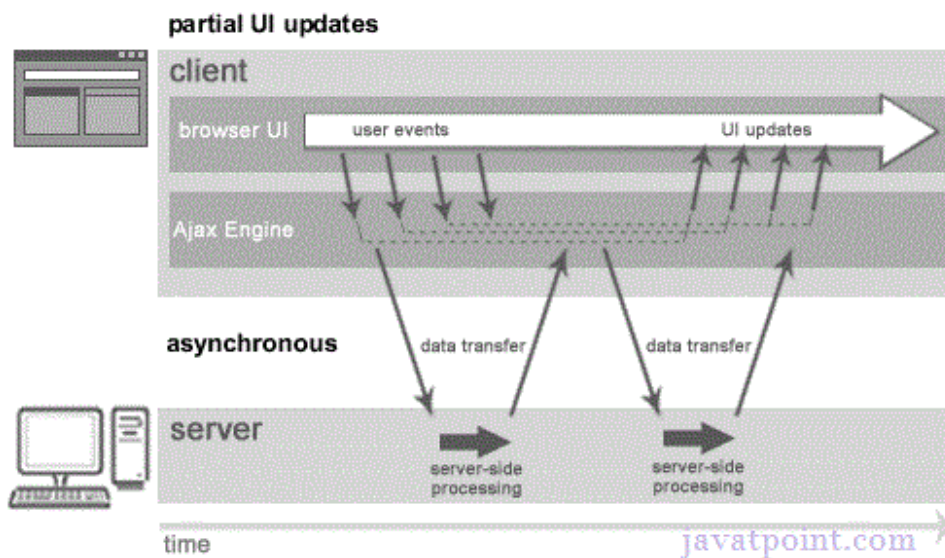
6) What is the difference between synchronous and asynchronous requests?

Synchronous request blocks the user until a response is retrieved whereas asynchronous doesn't block the user. [More details.](#)

Synchronous Request



Asynchronous Request



7) What are the technologies used by AJAX?

- HTML/XHTML and CSS - These technologies are used for displaying content and style.
- DOM - It is used for dynamic display and interaction with data.
- XML - It is used for carrying data to and from server
- XMLHttpRequest - It is used for asynchronous communication between client and server.
- JavaScript - It is used mainly for client-side validation

[More details.](#)

8) What is the purpose of XMLHttpRequest?

- It sends data in the background to the server.

- It requests data from the server.
- It receives data from the server.
- It updates data without reloading the page.

[More details.](#)

9) What are the properties of XMLHttpRequest?

The important properties of the XMLHttpRequest object are given below.

- onReadyStateChange - It is called whenever readystate attribute changes.
- readyState - It represents the state of the request.
- responseText - It returns response as text.
- responseXML - It returns response as XML.
- status - It returns the status number of a request.
- statusText - It returns the details of status.

[More details.](#)

10) What are the important methods of XMLHttpRequest?

- abort() - It is used to cancel the current request.
- getAllResponseHeaders() - It returns the header details.
- getResponseHeader() - It returns the specific header details.

- `open()` - It is used to open the request.
- `send()` - It is used to send the request.
- `setRequestHeader()` - It adds request header.

[More details.](#)

11) What are the types of `open()` method used for XMLHttpRequest?

- `open(method, URL)` - It opens the request specifying get or post method and URL.
- `open(method, URL, async)` - It is same as above but specifies asynchronous or not.
- `open(method, URL, async, username, password)` - It is same as above but specifies the username and password.

[More details.](#)

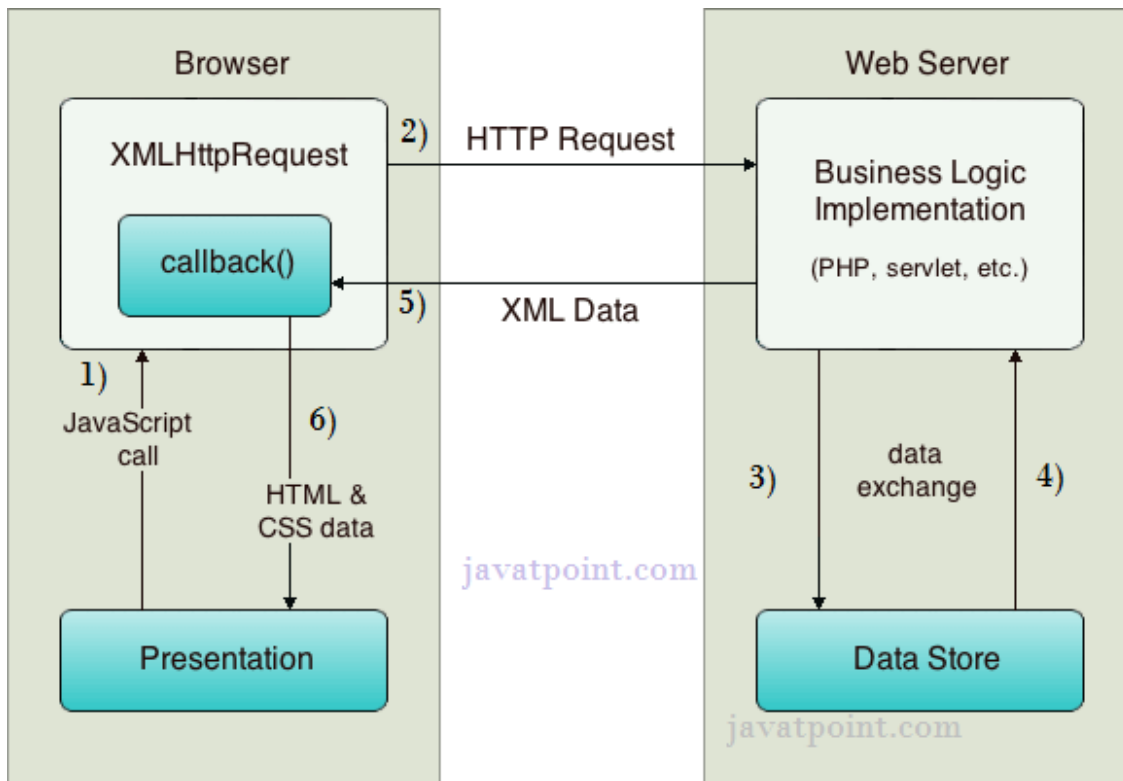
12) What are the types of `send()` method used for XMLHttpRequest?

- `send()` - It sends get request
- `send(string)` - It sends post request.

[More details.](#)

13) What is the role of the callback function in AJAX?

The callback function passes a function as a parameter to another function. If we have to perform various AJAX tasks on a website, then we can create one function for executing XMLHttpRequest and a callback function to execute each AJAX task.



14) What is JSON in AJAX?

JSON stands for JavaScript Object Notation. In AJAX, it is used to exchange data between a browser and a server. It is easy to understand, and data exchange is faster than XML. It supports array, object, string, number, and values.

```
request.onreadystatechange = function(){
    if (request.readyState == 4 )
    {
        var jsonObj = JSON.parse(request.responseText); //JSON.parse() returns JSON object
        document.getElementById("date").innerHTML = jsonObj.date;
        document.getElementById("time").innerHTML = jsonObj.time;
    }
}
```

15) What are the tools for debugging AJAX applications?

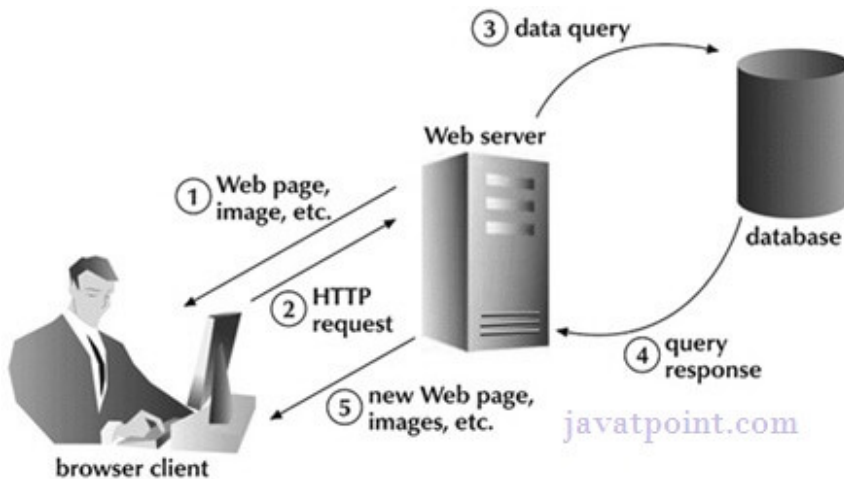
There are several tools for debugging AJAX applications.

- Firebug for Mozilla Firefox
- Fiddler for IE (Internet Explorer)
- JavaScript HTML Debugger
- MyEclipse AJAX Tools
- Script Debugger

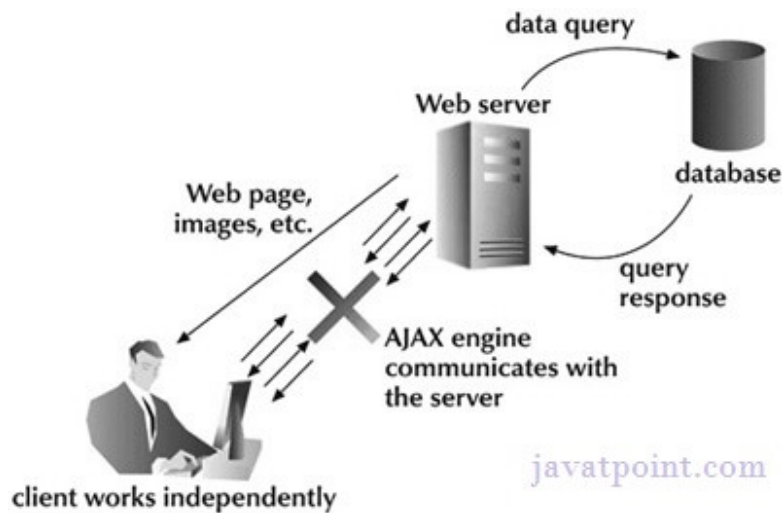
16) What are the types of post back in AJAX?

There are two types of post back in AJAX.

- Synchronous Postback - It blocks the client until the operation completes.



- Asynchronous Postback - It doesn't block the client.



17) What are the different ready states of a request in AJAX?

There are 5 ready states of a request in AJAX.

- 0 means UNOPENED
- 1 means OPENED
- 2 means HEADERS_RECEIVED
- 3 means LOADING
- 4 means DONE

[More details.](#)

18) What are the common AJAX frameworks?

- Dojo Toolkit
 - YUI
 - Google Web Toolkit (GWT)
 - Spry
 - MooTools
 - Prototype
-

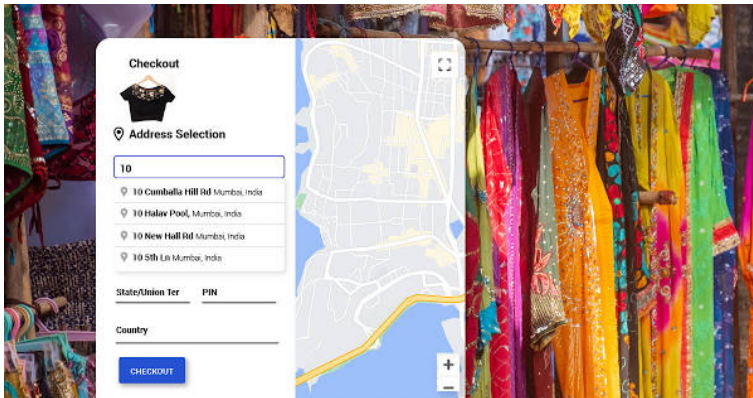
19) How can you test the AJAX code?

JUnit is the open source unit testing framework for client-side JavaScript. It is required to create test cases. The unit test case is a code which ensures that the program logic works as expected.

20) What is the difference between JavaScript and AJAX?

JavaScript is an object-based scripting language.	AJAX is a group of inter-related technologies like JavaScript, XML, HTML, CSS etc
It requests the server and waits for the response.	It sends a request to the server and doesn't wait for the response.
It consumes more bandwidth as it reloads the page.	It doesn't reload the page so consumes less bandwidth.

Java Basics Interview Questions	Java OOPs Interview Questions
Java Multithreading Questions	Java String & Exception Questions
Java Collection Interview Questions	JDBC Interview Questions
Servlet Interview Questions	JSP Interview Questions
Spring Interview Questions	Hibernate Interview Questions
PL/SQL Interview Questions	SQL Interview Questions
Oracle Interview Questions	Android Interview Questions
SQL Server Interview Questions	MySQL Interview Questions



Checkouts made easier, quicker

Avoid typos, correct text entry errors and validate addresses with Google Map's automation

Google Maps Platform


[Learn More >](#)

You may also like:


- [Java Interview Questions](#)
- [SQL Interview Questions](#)
- [Python Interview Questions](#)
- [JavaScript Interview Questions](#)
- [Angular Interview Questions](#)
- [Selenium Interview Questions](#)
- [Spring Boot Interview Questions](#)
- [HR Interview Questions](#)

- [C Programming Interview Questions](#)
- [C++ Interview Questions](#)
- [Data Structure Interview Questions](#)
- [DBMS Interview Questions](#)
- [HTML Interview Questions](#)
- [IAS Interview Questions](#)
- [Manual Testing Interview Questions](#)
- [OOps Interview Questions](#)
- [.Net Interview Questions](#)
- [C# Interview Questions](#)
- [ReactJS Interview Questions](#)
- [Networking Interview Questions](#)
- [PHP Interview Questions](#)
- [CSS Interview Questions](#)
- [Node.js Interview Questions](#)
- [Spring Interview Questions](#)
- [Hibernate Interview Questions](#)
- [AWS Interview Questions](#)
- [Accounting Interview Questions](#)

Learn Latest Tutorials




[Splunk tutorial](#)
Splunk




[SPSS tutorial](#)
SPSS




[Swagger tutorial](#)
Swagger




[T-SQL tutorial](#)
Transact-SQL




[Tumblr tutorial](#)
Tumblr



[React tutorial](#)
ReactJS



[Regex tutorial](#)
Regex



[Reinforcement learning tutorial](#)
Reinforcement Learning



[R Programming tutorial](#)



[RxJS tutorial](#)



[React Native tutorial](#)




[Python Design Patterns](#)

 R Programming RxJS React Native Python Design
Patterns Python Pillow
tutorial



Python Pillow

 Python Turtle
tutorial




Python Turtle

 Keras tutorial
Keras

Preparation

















 Aptitude
Aptitude Logical
Reasoning
Reasoning Verbal Ability
Verbal Ability Interview
Questions
Interview Questions Company
Interview
Questions
Company Questions

Trending Technologies

 Artificial
Intelligence
Tutorial
Artificial
Intelligence AWS Tutorial
AWS Selenium
tutorial
Selenium Cloud
Computing
tutorial
Cloud Computing Hadoop tutorial
Hadoop ReactJS
Tutorial
ReactJS Data Science
Tutorial
Data Science Angular 7
Tutorial
Angular 7 Blockchain
Tutorial Git Tutorial
Git Machine
Learning Tutorial DevOps
Tutorial

[Blockchain](#)[Machine Learning](#)[DevOps](#)

B.Tech / MCA


DBMS tutorial
DBMS
Data Structures
tutorial
Data Structures
DAA tutorial
DAA
Operating
System tutorial
Operating System
Computer
Network tutorial
Computer Network
Compiler
Design tutorial
Compiler Design
Computer
Organization and
Architecture
Computer
Organization
Discrete
Mathematics
Tutorial
Discrete
Mathematics
Ethical Hacking
Tutorial
Ethical Hacking
Computer
Graphics Tutorial
Computer Graphics
Software
Engineering
Tutorial
Software
Engineering
html tutorial
Web Technology
Cyber Security
tutorial
Cyber Security
Automata
Tutorial
Automata
C Language
tutorial
C Programming
C++ tutorial
C++
Java tutorial
Java
.Net
Framework
tutorial
.Net
Python tutorial
Python
List of
Programs
Programs
Control
Systems tutorial
Control System
Data Mining
Tutorial
Data Mining
Data
Warehouse
Tutorial
Data Warehouse

Data Transformation in Data Mining - Javatpoint