

In this lecture, we will discuss...

Ajax Basics



What is Ajax?

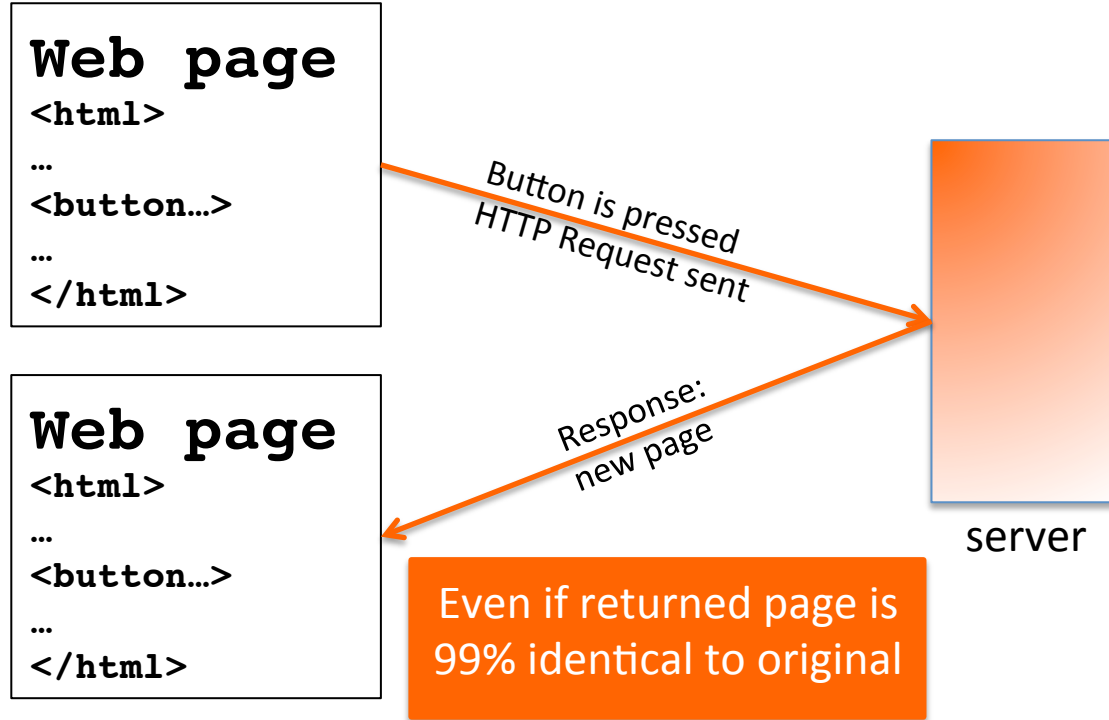
stands for

Asynchronous Javascript And XML

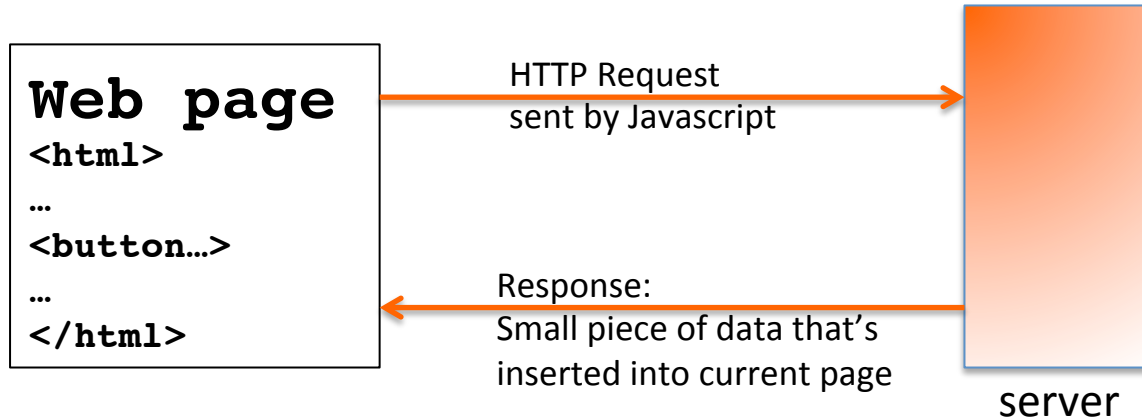
- ✧ **While Ajax started with XML, very few apps use it nowadays**
 - Plain text (at times as html) and JSON is used instead



Traditional Web App Flow



Ajax Web App Flow



✧ Faster response

- Less bandwidth, nicer experience for user

Synchronous Execution

**Execution of one
instruction at a time**

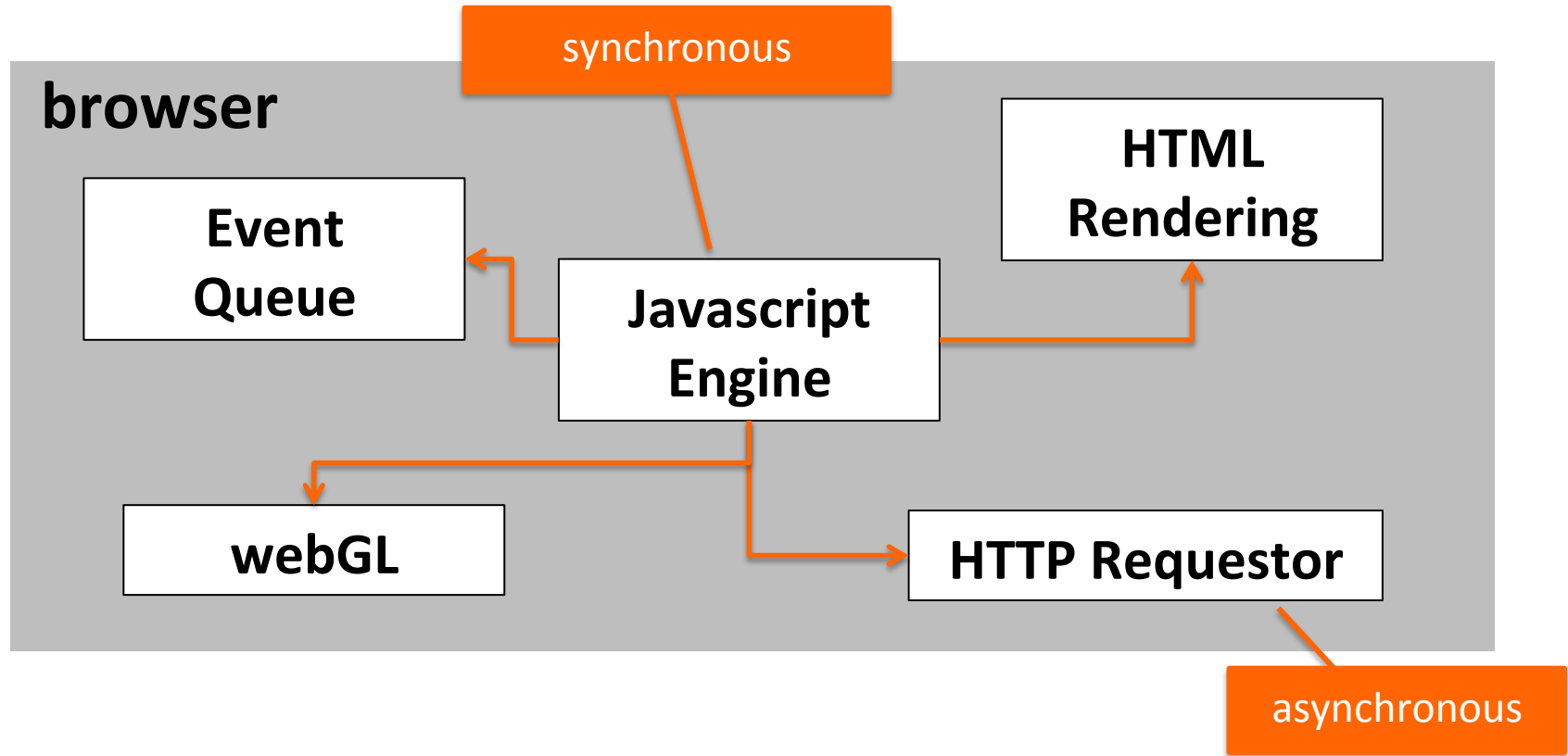
- ✧ **Can't start execution of another instruction until the first instruction finished its execution**

Asynchronous Execution

Execution of more than one instruction at a time

- ✧ **Asynchronous instruction returns right away**
- ✧ **The actual execution is done in a separate thread or process**

How Does Ajax Work Then?



Ajax Process

Javascript Engine

js code line

js code line

make Ajax request

js code line

js code line

Handle server response

HTTP Requestor

Address JS function
response handler

callback function

