**Asynchronous JavaScript and XML**

Synchronous Request – recommended for few small requests. JavaScript will not continue to execute until the server response is ready. If the server is busy or slow the application will stop or terminate.

Asynchronous Request – JavaScript does not have to wait for the server response. It can execute other scripts while waiting for the server response and deal with the response when the response is ready.

**Three important properties of XHTMLRequest Object**

* onReadyStateChange – stores a function to be called automatically each tie readyState changes
* readyState

0: request not initialized

1: server connection established

2: request received

3: processing request

4: request finished and response is ready

* status

200: OK

404: Not Found

**Document Object Model (DOM)**

* Document Object Collections

anchors []

forms []

images []

links []

* Document Object Properties

cookie

documentMode

domain

lastModified

readyState

referrer

title

URL

* Document Object Methods

close ()

getElementById ()

getElementsByName ()

getElementsByTagName ()

open ()

write ()

writeIn ()

Java EE – is an open, standard-based development platform for creating distributed, transactional, reliable, secure, multi-tiered, web-based, server-centric, component-based enterprise applications.