

Languages and Software to Be Used

Three major technologies will be used in this course:

- [LAMP](#), including Linux, Apache, MySQL, and PHP,
- [Android](#), including Android Studio, Java, and XML, and
- [AJAX](#), including (X)HTML, CSS, HTML DOM, JavaScript, PHP, SQL, and XML.

[AJAX \(Asynchronous JavaScript and XML\)](#)

With AJAX, web applications can send data to and retrieve from a server asynchronously (in the background) without interfering with the display and behavior of the existing page. AJAX is a group of technologies to create asynchronous web applications:

- [XHTML](#) and [CSS \(Cascading Style Sheets\)](#) can be used in combination to mark up and style information.
- Dynamic display and interaction use the [DOM \(Document Object Model\)](#), which defines a standard way for accessing and manipulating HTML documents.
- Data interchange and manipulation use [XML](#) and [XSLT](#).
- Asynchronous data retrieval uses [XMLHttpRequest](#).
By using the XMLHttpRequest object, a web developer can change a page with data from the server after the page has loaded.
- [JavaScript](#) binds everything together.

The AJAX example below shows how a web page can communicate with a web server online via a standard HTML form:

Course: Suggestions:

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