Ajax is asynchronous JaveScript and XMIL. With Ajax you can submit anything without reloading the entire page. The Ajax consists of two solutions, client-only solution or a client and server solution. The client-only solution uses Microsoft Ajax Library but does not use any ASP.NET server controls but the client and server solution uses Microsoft Ajax Library and ASP.NET server controls.

Client components enable rich behaviors in the browser without postbacks. Components, which are non-visual objects that encapsulate code. Behaviors, which extend the behavior of existing DOM elements. Controls, which represent a new DOM element that has custom behavior. So the type of component that you use depends on the type of client behavior you want.

Ajax server controls consist of server and client code that integrate to produce rich client behavior. There is four Ajax functionality are ScriptManager, UpdatePanel, UpdateProgress and Timer. ScriptManager is manages script resources for client components, partial-page rendering, localization, globalization, and custom user scripts. UpdatePanel is enables you to refresh selected parts of the page, instead of refreshing the whole page. UpdateProgress is provides status information about partial-page updates in UpdatePanel controls. Last functionality timer is performs postbacks at defined intervals.