CS80 Chapter 16 Assignment

Kathy A. Richards

May 19, 2021

Client/server-side interactions in traditional web application differ from web application and client/server interactions in Ajax web applications the interaction is not asynchronous, the client has to complete the entire form, and wait for the server to check its accuracy. Ajax provides the client with an asynchronous experience where each entry into the form is validated as the client is completing it, the client/server interaction is occurring as the client completes their task.

a)**Type-ahead**- uses asynchronous requests to send individual letters typed and returns data based on the letters being typed: 1) form-completion 2)data-correction

To make use of a form field quick use of:1) DOM 2)JavaScript 3)JSON

b)**Edit-in-place**-It allows a user to change the contents of a form or page bt changing the data displayed from purely textual object on the page to an editable form with the same contents there to edit and save the changes to the server: 1)DOM 2)JavaScript 3)CSS

c)**Partial page** update-a part of call back function(usually JavaScript) which process returned data from a server and only updates the parts of the page the call back says to update

d)**Asynchronous request**- requests are enabled by JavaScript or XMLHttpRequest object running in the background on a client computer loaded webpage

e)**XMLHttpReques**t-An object that is created that sends and receives data via “open” and “send” method. Supported on most browsers

f)**“raw” Ajax**-It uses JavaScript to send asynchronous requests to the server, then updates the page using the DOM

g)**Callback function**-It is the function that processes the data received from a server for an asynchronous request

h)**Same origin policy**-Creates security so that scripts cannot run from another domain than the one that the website resides on. This is also know as cross site scripting(XSS).

i)**Ajax libraries**-are larger builds of several components to be used with web applications rathe than web sites

j)**RIA**-Rich internet applications(RIA) are built to work more like traditional desktop application than a web page. The data sent and received works in an asynchronous manner to update as the server manipulates it.