Pune Institute of Computer Technology
Dhankawadi, Pune-43
Department of Information Technology

Class : TE (IT)   Subject : LP-II (WADL)
Assignment No. : 1b   A.Y. : 2023-24   Date :
Title : Javascript AJAX Implementation

Problem Statement :

Write a Javascript Program to get the user registration data and push to array / local storage with AJAX POST method and data list in new page.

Objective :

To understand the working of JS, AJAX, XmlHttpRequest by accepting the user registration data.

Theory :

HTML Form -

An HTML form is a collection of

- Textbox (to fill info like Name, Roll No., etc.)
- Textarea (to fill info like Address, or lengthy text)
- Select (to select value/s from a dropdown list)
- Radio Button (to make one selection like Yes/No, Male/Female)
- Check Box (to select one or more options from limited choices)
- Submit Button (to submit the filled form)

and many more elements all contributing to the collection of info from user.

The <form> tag is the starting point for any HTML form.

The attributes used within <form> are action and method.

JavaScript –

JavaScript is a front-end scripting language. It can be added to the HTML file in two ways, viz. Internal JavaScript and External JavaScript. JavaScript is primarily used to develop websites and web-based applications.

- Create Interactive/Dynamic Websites – JavaScript is used to make web pages dynamic and interactive.
- Building Applications – JavaScript can be employed to make web and mobile applications.
- Web Servers – A robust server application using JavaScript can be created

Xml Http Request –

It is an API used to fetch data from the server. XMLHTTPRequest is used in Ajax programming. It can retrieve any format of data such as JSON, XML, text, etc. It requests for data in the background without the page refresh and loads response on the page. An object of XMLHTTPRequest is used for asynchronous communication between client and server.

AJAX –

It is abbreviation for Asynchronous JavaScript and XML. AJAX also hits the request to the server and loads the data on the HTML w/o the page refresh. With the jQuery AJAX methods, one can request text, HTML, XML or JSON from a remote server using HTTP Get and/or HTTP Post.

Conclusion:

Thus, we have implemented a JavaScript Program to get the user registration data and using AJAX POST method we have listed data on new page.