Web Programming

Laboratory Weekly Report

Week 9

**Ajax**

Aim: To design a functional library management system

Techniques Used: Ajax

Procedure:

Graphical user interface, application, Word

Description automatically generated

After clicking the button.

Graphical user interface, application

Description automatically generated

Code for index.html:

<!DOCTYPE html>

<html>

<head>

<title>AJAX</title>

<script type="text/javascript">

function ajaxFunction(){

var ajax = new XMLHttpRequest();

ajax.onreadystatechange = function(){

if(this.readyState==4 &&this.status==200){

document.getElementById("test").innerHTML = this.responseText

}

};

ajax.open("POST", "ajax.txt", true);

ajax.send()

}

</script>

</head>

<body>

<button onclick="ajaxFunction()">Click To Know About Ajax!</button>

<div id="test"></div>

</body>

</html>

Code for ajax.txt:

Ajax (also AJAX /ˈeɪdʒæks/; short for "Asynchronous JavaScript and XML") is a set of web development techniques using many web technologies on the client side to create asynchronous web applications. With Ajax, web applications can send and retrieve data from a server asynchronously (in the background) without interfering with the display and behaviour of the existing page. By decoupling the data interchange layer from the presentation layer, Ajax allows web pages and, by extension, web applications, to change content dynamically without the need to reload the entire page. In practice, modern implementations commonly utilize JSON instead of XML.