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|  | | **Finolex Academy of Management and Technology, Ratnagiri** | | | | | | | | | |
| **Department of Information Technology** | | | | | | | | | |
| Subject name: Internet Programming Lab | | | | | | | | Subject Code: TEITL501 | | | |
| Class | | TE IT | | Semester – V (CBCGS) | | | | Academic year: 2018-19 | | | |
| Name of Student | | Kazi Jawwad A Rahim | | | | | **QUIZ Score :** | | | | |
| Roll No | | 32 | | | Assignment/Experiment No. | | | | | 04 | |
| Title: To implement AJAX programming technique | | | | | | | | | | | |
|  | | | | | | | | | | | |
| **1. Course objectives applicable:**  **COB3**. Use AJAX Programming Technique to develop RIA | | | | | | | | | | | |
| **2. Course outcomes applicable:**  **CO3**-Design a feature-rich website using Rich Internet Application technique. | | | | | | | | | | | |
| **3. Learning Objectives:**   1. To understand RIA 2. To understand basic working of AJAX 3. To be able to design feature-rich webpages that include mixed media, partial update of web pages etc 4. To be able to develop web applications similar to desktop applications | | | | | | | | | | | |
| **4. Practical applications of the assignment/experiment: Websites today implement RIA to impart enhanced accessibility, improved features, direct interaction, partial update of web pages and so on through AJAX, Silverlight, Google Gears, Curl etc..** | | | | | | | | | | | |
| **5. Prerequisites**: JavaScript, XML introduction | | | | | | | | | | | |
| **6. Hardware Requirements**:   1. PC with 4GB RAM, 500GB HDD, Intel core i3/i5/i7 processor   **7. Software Requirements:**  1. Windows or Linux Desktop OS  2. HTML5 compatible web browsers (Chrome, Firefox)  3. Notepad++  4. XAMPP | | | | | | | | | | | |
|  | | | | | | | | | | | |
| **8. Quiz Questions (if any): (Online Exam will be taken separately batchwise, attach the certificate/ Marks obtained)**   1. What are the features of RIA? 2. How is AJAX implemented? 3. What is AJAX web application model? 4. What are the possible values for Status property of XMLHttpRequest object? | | | | | | | | | | | |
|  | | | | | | | | | | | |
| **9. Experiment/Assignment Evaluation:** | | | | | | | | | | | |
| **Sr. No.** | **Parameters** | | | | | | | | **Marks obtained** | | **Out of** |
| **1** | Technical Understanding (Assessment may be done based on Q & A **or** any other relevant method.) Teacher should mention the other method used - | | | | | | | |  | | 6 |
| **2** | Neatness/presentation | | | | | | | |  | | 2 |
| **3** | Punctuality | | | | | | | |  | | 2 |
| **Date of performance (DOP)** | | |  | | | **Total marks obtained** | | |  | | **10** |
| **Date of checking (DOC)** | | |  | | | **Signature of teacher** | | | | | |

**Source Code:**

**Jewellery.html**

<html>

<head>

<title>My first AJAX application</title>

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

<script>

var XMLHttpRequestObj=false;

if(window.XMLHttpRequest){

XMLHttpRequestObj=new XMLHttpRequest(); //create new object

}else if(window.ActiveXObject){ // for older browsers

XMLHttpRequestObj=new ActiveXObject("Microsoft.XMLHTTP");

}

function getData(dataSource,divID) // Request data from server and display it

{

if(XMLHttpRequestObj){

var obj=document.getElementById(divID);

XMLHttpRequestObj.open("GET",dataSource); //specifies the type of request to the server

XMLHttpRequestObj.send(); //sends request to the server

XMLHttpRequestObj.onreadystatechange=function() //callback function

{

if(XMLHttpRequestObj.readyState==4 && XMLHttpRequestObj.status==200)

{

obj.innerHTML=XMLHttpRequestObj.responseText; //get response from server

}

}

}

}

</script>

</head>

<body>

<h1>First AJAX application</h1>

<p>This example explains the partial update of a web page using AJAX technique as Rich Internet Application</p>

<img src="image1.jpg" class="w3-round" onmouseover="getData('bangles.txt','targetDiv')">

<img src="image2.jpg" onmouseover="getData('rings.txt','targetDiv')">

<img src="image3.jpg" class="w3-round" onmouseover="getData('necklaces.txt','targetDiv')">

<!--Contents of this <div> will be updated with dynamic text-->

<div id="targetDiv" class="w3-panel w3-pink" style="width:60%">

<h1>Welcome to my jewellery showroom!!</h1>

</div>

<!--This <div> just displays static text -->

<div class="w3-container">

<h2>Some other text..</h2>

<p>This is the web page of my jewellery showroom..</p>

<p>This section is not going to change</p>

<hr>

</div>

<p class="w3-container"> This explains the use of AJAX technique</p>

</body>

</html>

**Bangles.txt**

This is a new design of bangles.

Popular among women in North India.

If you love it, cart it!!

**Neckless.txt**

This is an adorable piece to gift to your loved ones!!What are you waiting for?Add it in your cart right away!!

**Ring.txt**

Solid ring design, Gold-plated, adjustable, Also available in silver,rose-gold and white-gold..

**OUTPUT:**

**References** :

[1] https://www.w3schools.com/xml/ajax\_intro.asp

[2] https://www.tutorialspoint.com › Ajax › AJAX - Examples  
[3] Advanced Internet Technologies (includes practicals), Deven Shah, Dreamtech Publication

[4] https://developer.mozilla.org/en-US/docs/Web/Guide/AJAX/Getting\_Started

[5] https://moz.com/blog/how-to-use-ajax-5-real-world-examples