

Department of Computer Science and Engineering

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UCS1601 - Internet Programming

Assignment 6: Ajax Assignment

Objective:

Write a Ajaxprogram to displaybranch details for a bankas aSingle Page Application. Create a XML file to store all branch details for the bankwith fieldsState, District, branch, address, IFSC, MICR, branch code.Create a table formatin Ajaxto display all branches of the bank. On click each branch, display all details about the particular branch(Ajax).

Code:

HTML:

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5 body {
6     font-size: 20pt;
7     font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI
      ', 'Roboto', 'Oxygen',
8     'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', '
      Helvetica Neue',
9     sans-serif;
10    text-align: center;
11 }
12
13 h1{
14     font-size: 50pt;
15     text-align: center;
16 }
17 table,th,td {
18     border : 1px solid black;
19     border-collapse: collapse;
20 }
21 table {
22     border-spacing: 50px;
23     display: block;
24     margin-left: auto;
25     margin-right: auto;
26     width: 8%;
27 }
28 th,td {
29     padding: 5px;
30 }
31 </style>
32 </head>
33 <body>
34
35 <h1>Bank Details</h1>
36
37 <button type="button" onclick="loadDoc()">Branch list</button
    >
38 <br><br>
39 <div id="showDet"></div>
40
41 <table id="demo"></table>
42

```

```

43 <script>
44 function loadDoc() {
45     var xhttp = new XMLHttpRequest();
46     xhttp.onreadystatechange = function() {
47         if (this.readyState == 4 && this.status == 200) {
48             myFunction(this);
49         }
50     };
51     xhttp.open("GET", "bank.xml", true);
52     xhttp.send();
53 }
54 function myFunction(xml) {
55     var i;
56     var xmlDoc = xml.responseXML;
57     var table="<tr><th>Branch</th></tr>";
58     var x = xmlDoc.getElementsByTagName("record");
59     for (i = 0; i <x.length; i++) {
60         //table += "<tr><td><button type='button' onclick='
        dispFunction(" +i+ "," + x + ")'" + ">";
61         table += "<tr><td><button type='button' onclick='
        displayDetails(" +i+ ")'" + ">";
62         table += x[i].getElementsByTagName("branch")[0].
        childNodes[0].nodeValue +
63         "</button></td></tr>";
64     }
65     document.getElementById("demo").innerHTML = table;
66 }
67
68 function displayDetails(i){
69     var xhttp = new XMLHttpRequest();
70     xhttp.onreadystatechange = function() {
71         if (this.readyState == 4 && this.status == 200) {
72             dispFunction(this, i);
73         }
74     };
75     xhttp.open("GET", "bank.xml", true);
76     xhttp.send();
77 }
78
79 function dispFunction(xml, i){
80     var xmlDoc = xml.responseXML;
81     var x = xmlDoc.getElementsByTagName("record");
82     var details = "<table>";
83     var details = "<tr><th>State:      </th><td>" + x[i].
        getElementsByTagName("state")[0].childNodes[0].nodeValue +

```

```

    "</td></tr>";
84     details += "<br><tr><th>District:      </th><td>" + x[i].
        getElementsByTagName("district")[0].childNodes[0].
        nodeValue + "</td></tr>";
85     details += "<br><tr><th>Branch:      </th><td>" + x[i].
        getElementsByTagName("branch")[0].childNodes[0].nodeValue
        + "</td></tr>";
86     details += "<br><tr><th>Address:      </th><td>" + x[i].
        getElementsByTagName("address")[0].childNodes[0].nodeValue
        + "</td></tr>";
87     details += "<br><tr><th>IFSC code:      </th><td>" + x[i]
        ].getElementsByTagName("ifsc")[0].childNodes[0].nodeValue
        + "</td></tr>";
88     details += "<br><tr><th>MICR:      </th><td>" + x[i].
        getElementsByTagName("micr")[0].childNodes[0].nodeValue +
        "</td></tr>";
89     details += "<br><tr><th>Branch code:      </th><td>" + x[
        i].getElementsByTagName("bcode")[0].childNodes[0].
        nodeValue + "</td></tr>";
90     details += "</table>";
91     details += "<br><br><br><br><br>";
92     document.getElementById("showDet").innerHTML = details;
93 }
94
95 </script>
96
97 </body>
98 </html>

```

XML:

```

1 <bank>
2   <record>
3     <state>Tamil Nadu</state>
4     <district>Chennai</district>
5     <branch>Mylapore</branch>
6     <address>Main road</address>
7     <ifsc>TNMYL</ifsc>
8     <micr>12345</micr>
9     <bcode>MYL123</bcode>
10  </record>
11  <record>

```

```
12         <state>Tamil Nadu</state>
13         <district>Chennai</district>
14         <branch>Adyar</branch>
15         <address>side road</address>
16         <ifsc>TNADY</ifsc>
17         <micr>09876</micr>
18         <bcode>ADY123</bcode>
19     </record>
20 </bank>
```

Output:

Bank Details

Branch list

Bank Details

Branch list

Branch
Mylapore
Adyar

Bank Details

Branch list

State: Tamil Nadu
District: Chennai
Branch: Mylapore
Address: Main road
IFSC code: TNMYL
MICR: 12345
Branch code: MYL123

Branch
Mylapore
Adyar

Bank Details

Branch list

State: Tamil Nadu
District: Chennai
Branch: Adyar
Address: side road
IFSC code: TNADY
MICR: 09876
Branch code: ADY123

Branch
Mylapore
Adyar

