

# UCS1601---Internet Programming

## Assignment – 6

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### **Aim:**

- To write a Ajax program to display branch details for a bank as a Single Page Application.
- To create a XML file to store all branch details for the bank with fields State, District, branch, address, IFSC, MICR, branch code. Create a table format in Ajax to display all branches of the bank.
- On click each branch, display all details about the particular branch (Ajax)

### **Code:**

index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Bank Details</title>
    <link rel="stylesheet" href="style.css" />
  </head>
  <body>

    <div class="bg-image"></div>
```

```

<div class="bg-text">
  <center>
    <h1>Bank Details</h1>
    <div id="container">
      <table id="bank-table"></table>
      <p id="bank-details"></p>
    </div>
  </center>
</div>
<script>
  var x, xmlhttp, xmlDoc;
  xmlhttp = new XMLHttpRequest();
  xmlhttp.open("GET", "bankDetails.xml", false);
  xmlhttp.send();

  xmlDoc = xmlhttp.responseXML;
  console.log(xmlDoc);
  x = xmlDoc.getElementsByTagName("BANK");

  table = "<tr border='1'><th>Choose the Bank Name to display it's details
</th></tr><br>";
  for (i = 0; i < x.length; i++) {
    table += "<tr onclick='displayDetails(" + i + ")'><td>";
    table += x[i].getElementsByTagName("NAME")[0].childNodes[0].nodeValue;
    table += "</td></tr>";
  }
  document.getElementById("bank-table").innerHTML = table;
  function displayDetails(i) {
    document.getElementById("bank-details").innerHTML =
      "<div class='box'><span class='topic'>Bank Name: </span>" +
      x[i].getElementsByTagName("NAME")[0].childNodes[0].nodeValue +
      "<br><span class='topic'>State: </span>" +
      x[i].getElementsByTagName("STATE")[0].childNodes[0].nodeValue +
      "<br><span class='topic'>District: </span>" +
      x[i].getElementsByTagName("DISTRICT")[0].childNodes[0].nodeValue +
      "<br><span class='topic'>Address: </span>" +
      x[i].getElementsByTagName("ADDRESS")[0].childNodes[0].nodeValue +
      "<br><span class='topic'>IFSC code: </span>" +
      x[i].getElementsByTagName("IFSC")[0].childNodes[0].nodeValue +
      "<br><span class='topic'>MICR code: </span>" +
      x[i].getElementsByTagName("MICR")[0].childNodes[0].nodeValue +
      "<br><span class='topic'>Branch code: </span>" +
      x[i].getElementsByTagName("CODE")[0].childNodes[0].nodeValue+"</div>";
  }
</script>
</body>
</html>

```

## bankDetails.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<DETAILS>
  <BANK>
    <NAME>STATE BANK OF INDIA</NAME>
    <STATE>TAMIL NADU</STATE>
    <DISTRICT>TRICHY</DISTRICT>
    <ADDRESS>A-14/S TRR TOWERS, EAST COAST ROAD, THILLAI NAGAR</ADDRESS>
    <IFSC>IOBA0001220</IFSC>
    <MICR>625020046</MICR>
    <CODE>1220</CODE>
  </BANK>

  <BANK>
    <NAME>ICICI BANK</NAME>
    <STATE>TAMIL NADU</STATE>
    <DISTRICT>COIMBATORE</DISTRICT>
    <ADDRESS>S.No14, NALUR ROAD, KSR NAGAR 624730</ADDRESS>
    <IFSC>IOBA0001013</IFSC>
    <MICR>625021146</MICR>
    <CODE>1230</CODE>
  </BANK>

  <BANK>
    <NAME>BANK OF CHENNAI</NAME>
    <STATE>TAMIL NADU</STATE>
    <DISTRICT>CHENNAI</DISTRICT>
    <ADDRESS>EA CHAMBERS,EXPRESS AVENUE,8TH FLOOR NO.49,50 L,WHITES ROAD,R
OYAPETTAH,CHENNAI 600014</ADDRESS>
    <IFSC>IOBA0000002</IFSC>
    <MICR>600020043</MICR>
    <CODE>00012</CODE>
  </BANK>

  <BANK>
    <NAME>ABHYUDAYA COOPERATIVE BANK LIMITED</NAME>
    <STATE>GUJARAT</STATE>
    <DISTRICT>VADODARA</DISTRICT>
    <ADDRESS>SHREE KRISHNA BHAVAN, NEAR CHAMPANER GATE, 3259 BANK ROAD, VA
DODARA 390006</ADDRESS>
    <IFSC>AOCA0003407</IFSC>
    <MICR>90004456</MICR>
    <CODE>052307</CODE>
  </BANK>
</DETAILS>
```

## style.css

```
body, html {
  height: 100%;
  margin: 0;
  font-family: Arial, Helvetica, sans-serif;
}

* {
  box-sizing: border-box;
}

.bg-image {
  background-image: url("photo.jpg");
  filter: blur(8px);
  -webkit-filter: blur(4px);
  height: 100%;
  background-position: center;
  background-repeat: no-repeat;
  background-size: cover;
}

.bg-text {
  background-color: rgb(0,0,0); /* Fallback color */
  background-color: rgba(0,0,0, 0.4); /* Black w/opacity/see-through */
  color: white;
  font-weight: bold;
  border: 3px solid #f1f1f1;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  z-index: 2;
  width: 80%;
  padding: 20px;
  text-align: center;
}

h1{
  color: rgb(97, 180, 20);
  font-weight: 400;
  letter-spacing: 1.5px;
  font-family: 'Source Sans Pro', sans-serif;
}

table th{
  color: rgb(97, 180, 20);
  font-weight: 400;
```

```

letter-spacing: 1.5px;
font-size: 22px;
font-family: 'Source Sans Pro', sans-serif;
}

td:hover {
  background-color: #0e0e0b;
}

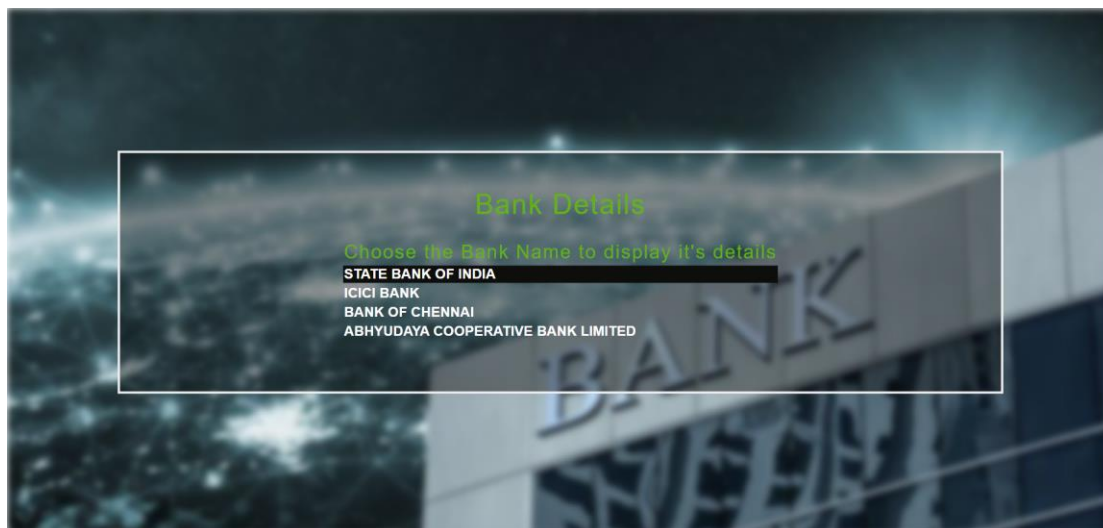
.topic{
  color: rgb(97, 180, 20);
  font-size: 18px;
}

.box{
  box-sizing: border-box;
  padding: 3vw;
  background: rgba(0, 0, 0, 0.78);
  max-width: 700px;
  margin: 0 auto;
  width: fit-content;
  border-radius: 25px;
}

```

## Outputs:

Bank names in a table. Highlights on hover.



## Bank Details

Choose the Bank Name to display it's details

STATE BANK OF INDIA  
ICICI BANK  
BANK OF CHENNAI  
ABHYUDAYA COOPERATIVE BANK LIMITED

Bank Name: STATE BANK OF INDIA  
State: TAMIL NADU  
District: TRICHY  
Address: A-14/S TRR TOWERS, EAST COAST ROAD, THILLAI NAGAR  
IFSC code: IOBA0001220  
MICR code: 625020046  
Branch code: 1220

## Bank Details

Choose the Bank Name to display it's details

STATE BANK OF INDIA  
ICICI BANK  
BANK OF CHENNAI  
ABHYUDAYA COOPERATIVE BANK LIMITED

Bank Name: STATE BANK OF INDIA  
State: TAMIL NADU  
District: TRICHY  
Address: A-14/S TRR TOWERS, EAST COAST ROAD, THILLAI NAGAR  
IFSC code: IOBA0001220  
MICR code: 625020046  
Branch code: 1220

## Bank Details

Choose the Bank Name to display it's details

STATE BANK OF INDIA  
ICICI BANK  
BANK OF CHENNAI  
ABHYUDAYA COOPERATIVE BANK LIMITED

Bank Name: ICICI BANK  
State: TAMIL NADU  
District: COIMBATORE  
Address: S.No14, NALLUR ROAD, KSR NAGAR 624730  
IFSC code: IOBA0001013  
MICR code: 625021146  
Branch code: 1230

## Tomcat Server:

```
Tomcat
05-Apr-2021 12:55:21.058 INFO [main] org.apache.jasper.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs
yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs w
ere found in them. Skipping unneeded JARs during scanning can improve startup time and JSP compilation time.
05-Apr-2021 12:55:21.062 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web applicatio
n directory [C:\Program Files\Apache Software Foundation\Tomcat 10.0\webapps\la-41] has finished in [531] ms
05-Apr-2021 12:55:21.063 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application di
rectory [C:\Program Files\Apache Software Foundation\Tomcat 10.0\webapps\la42]
05-Apr-2021 12:55:21.471 INFO [main] org.apache.jasper.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs
yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs w
ere found in them. Skipping unneeded JARs during scanning can improve startup time and JSP compilation time.
05-Apr-2021 12:55:21.475 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web applicatio
n directory [C:\Program Files\Apache Software Foundation\Tomcat 10.0\webapps\la42] has finished in [412] ms
05-Apr-2021 12:55:21.476 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application di
rectory [C:\Program Files\Apache Software Foundation\Tomcat 10.0\webapps\manager]
05-Apr-2021 12:55:21.878 INFO [main] org.apache.jasper.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs
yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs w
ere found in them. Skipping unneeded JARs during scanning can improve startup time and JSP compilation time.
05-Apr-2021 12:55:21.888 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web applicatio
n directory [C:\Program Files\Apache Software Foundation\Tomcat 10.0\webapps\manager] has finished in [411] ms
05-Apr-2021 12:55:21.888 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application di
rectory [C:\Program Files\Apache Software Foundation\Tomcat 10.0\webapps\ROOT]
05-Apr-2021 12:55:22.173 INFO [main] org.apache.jasper.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs
yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs w
ere found in them. Skipping unneeded JARs during scanning can improve startup time and JSP compilation time.
05-Apr-2021 12:55:22.175 INFO [main] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web applicatio
n directory [C:\Program Files\Apache Software Foundation\Tomcat 10.0\webapps\ROOT] has finished in [287] ms
05-Apr-2021 12:55:22.180 INFO [main] org.apache.coyote.AbstractProtocol.start Starting ProtocolHandler ["http-nio-8080"]
05-Apr-2021 12:55:22.196 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in [5571] milliseconds
```