Correction TP4 AJAX

1. Objectifs

- Etre capable de manipuler l'objet **XMLHttpRequest** de JavaScript..

2. Exercice 01

1. Énoncé

- Vous pouvez visualiser **l'énoncé de l'application**

2. Solution

```
<!doctype html>
<html lang="fr">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  <title>Filtre de base First</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
 <link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.12.1/css/all.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/jquery/1.5/jquery.min.js"></script>
    <script type="text/javascript"> function TestXHR() {
       if (window.XMLHttpRequest) var xhr = new XMLHttpRequest();
        else alert("Votre navigateur ne supporte pas XMLHTTPRequest");
         var monDiv = document.getElementById("IdDiv");
          xhr.onreadystatechange = function() {
            monDiv.innerHTML += xhr.readyState +"<br/>";
             }
             xhr.open("GET", "db.xml", true); xhr.send(null);
              }
              </script>
              </head>
```

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```
<body>
      <form action="">
      <input type="button" value="Envoyer" onclick="TestXHR()" />
      <div id="IdDiv">

      </div>
    </form>
  </body>
  </html>
```

1. Exercice 02

1. Énoncé

- Vous pouvez visualiser **l'énoncé de l'application**

2. Solution

```
<!doctype html>
<html lang="fr">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  <title>Filtre de base First</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
 <link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.12.1/css/all.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/jquery/1.5/jquery.min.js"></script>
      <script type="text/javascript">
      function TestXHR() {
        var xhrstatus = new Array();
          xhrstatus["200"]="La requête est exécutée avec succès";
          xhrstatus["403"]="Accès interdit (refusé)";
          xhrstatus["404"]="Fichier non trouvé";
          xhrstatus["500"] = "Erreur interne au serveur";
         if (window.XMLHttpRequest)
```

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```
          var xhr = new XMLHttpRequest();
          else alert("Votre navigateur ne supporte pas XMLHTTPRequest");
          var monDiv = document.getElementById("IdDiv");
          var monTxt = document.getElementById("IdText");
          xhr.onreadystatechange = function() {
            monDiv.innerHTML += xhr.readyState +"<br/>";
            monTxt.value = xhrstatus[xhr.statusText];
            alert(xhrstatus[xhr.status]);
            }
            xhr.open("GET", "db.xml", true);
            xhr.send(null); }
            </script>
            </head>
            <body>
              <form action="">
                <input type="button" value="Envoyer" onclick="TestXHR()"
/>
                <input type="text" value="" id="IdText" size="50"/>
                <div id="IdDiv">
                </div>
               </form>
             </body>
              </html>
```

1. ## Exercice 03

    1. **Énoncé**

        - Vous pouvez visualiser **l'énoncé de l'application**

    2. **Solution**

```
<!doctype html>
<html lang="fr">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-
8">
  <title>Filtre de base First</title>
  <link rel="stylesheet"
```

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```
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
 <link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.12.1/css/all.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></scri
  <script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/jquery/1.5/jquery.min.js"></script>
  <script type="text/javascript">
       function TestXHR() {
         var xhrstatus = new Array();
         xhrstatus["200"]="la requête est exécutée avec succès";
         xhrstatus["403"]="accès interdit (refusé)";
         xhrstatus["404"]="fichier non trouvé";
         xhrstatus["500"] = "erreur interne au serveur";
         if (window.XMLHttpRequest)
         var xhr = new XMLHttpRequest();
          else alert("Votre navigateur ne supporte pas
XMLHTTPRequest");
          var monDiv = document.getElementById("IdDiv");
          var monTxt = document.getElementById("IdText");
           xhr.onreadystatechange = function() {
             monDiv.innerHTML += xhr.readyState +"<br/>";
             monTxt.value = xhrstatus[xhr.status];
             if (xhr.readyState == 4 && xhr.status == 200) {
              alert(xhr.responseText);
             }
              xhr.open("GET", "db.txt", true); xhr.send(null);
            }
          }
   </script>
            </head>
            <body>
              <form action="">
                <input type="button" value="Envoyer"
onclick="TestXHR()" />
                <input type="text" value="" id="IdText"
size="50"/>
                <div id="IdDiv"> </div>
              </form>
            </body>
        </html>
```

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1. Exercice 04

1. Énoncé

- Vous pouvez visualiser **l'énoncé de l'application**

2. Solution

1. calculatrice.php

```
<!doctype html>
<html lang="fr">
<head>
  <meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
  <title>Filtre de base First</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstra
 <link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.12.1/css/all.css">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.mi
  <script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/jquery/1.5/jquery.min.j
<style>
 fieldset
{
  border: 1px solid #ddd !important;
  margin: 0;
  xmin-width: 0;
  padding: 10px;
  position: relative;
  border-radius:4px;
  background-color:#f5f5f5;
  padding-left:10px!important;
}

  legend
  {
```

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```
□□□font-size:14px;
□□□font-weight:bold;
□□□margin-bottom: 0px;
□□□width: 35%;
□□□border: 1px solid #ddd;
□□□border-radius: 4px;
□□□padding: 5px 5px 5px 10px;
□□□background-color: #ffffff;
□□}
    #resultat{
      font-size:36px;
□□□font-weight:bold;
      margin-left: 10px;
    }
</style>

</head>
<body>
  <div class="container">
    <div class="row">
    <fieldset class="col-4">
    <legend>Calculatrice</legend>
        <div class="form-group">
          <label for="usr">Premier nombre:</label>
          <input type="text" class="form-control"
id="nbr1">
        </div>
        <div class="form-group">
          <label for="pwd">Deuxième nombre:</label>
          <input type="text" class="form-control"
id="nbr2">
        </div>
        <button type="button" class="btn btn-lg btn-
primary mb-2" onclick="calc('add')">+</button>
        <button type="button" class="btn btn-lg btn-
secondary mb-2" onclick="calc('sub')">-</button>
        <button type="button" class="btn btn-lg btn-
success mb-2" onclick="calc('mult')">X</button>
        <button type="button" class="btn btn-lg btn-
warning mb-2" onclick="calc('div')">/</button>
        <button type="button" class="btn btn-lg btn-
info mb-2" onclick="calc('mod')">%</button>
```

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```
        <div class="form-group">
          <label for="pwd">Résultat:<span
id="resultat"></span></label>
        </div>
</fieldset>
</div>
</div>
<script>
    function calc(reqtype){
      var xhr = new XMLHttpRequest();
      var num1= document.getElementById("nbr1").value;
      var num2= document.getElementById("nbr2").value;
      xhr.onreadystatechange = function() {
              if (xhr.readyState == 4 && xhr.status ==
200) {

document.getElementById("resultat").innerHTML =
xhr.responseText;
              }
      }
        xhr.open("post","calcul.php","true");
        xhr.setRequestHeader("Content-Type",
"application/x-www-form-urlencoded");

xhr.send("req="+reqtype+"&n1="+num1+"&n2="+num2);

    }
  </script>
  </body>
  </html>
```

2. **calcul.php**

```
<?php
$num1=$_REQUEST["n1"];
$num2=$_REQUEST["n2"];
$req=$_REQUEST["req"];


if($req=='add'){
  echo $num1+$num2;
```

```
}
elseif($req=='sub'){
  echo $num1-$num2;
}
elseif($req=='mult'){
  echo $num1*$num2;
}
elseif($req=='div'){
  echo $num1/$num2;
}
elseif($req=='mod'){
  echo $num1%$num2;
}
?>
```

Les méthodes get et post jQuery AJAX

Sommaire du cours AJAX

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