



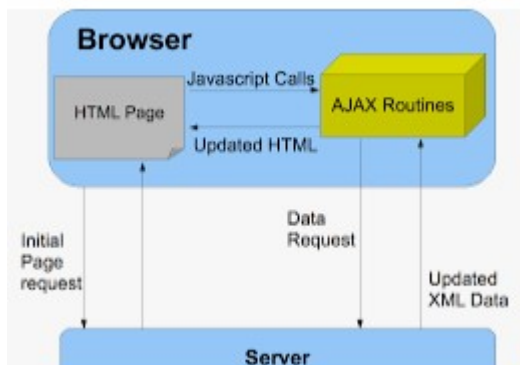
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1.1 SCHÉMA, URL

http://localhost/CRUD_alwaysdata/html/GetJSONClients.html

<http://pascalbuguet.alwaysdata.net/CRUD/html/GetJSONClients.html>



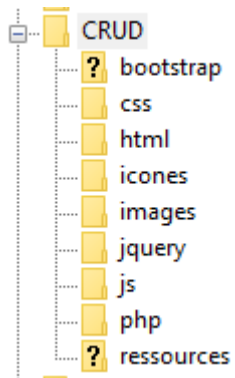
1.2 IHM, OUTPUTs

ID	Nom	Prénom	CP
1	Buguet	Pascal	75011
10	Murtingerova	Eva	93600
2	Buguet	MJ	75011
3	Fassiola	Annabelle	94000
5	Tintin	Albert	75012
6	Sordi	Alberto	99391
7	Muti	Ornella	99392
8	Milou	Le chien	75012
9	Tournesol	Bruno	75012

ClientsInsert.html

<input type="text" value="Dupont"/>	<input type="text" value="Albert"/>	<input type="text" value="75011"/>	<input type="button" value="Valider"/>
-------------------------------------	-------------------------------------	------------------------------------	--

1.3 ARBORESCENCE DU PROJET



1.4 CLIENTS.JSON

```
[
  {
    "id_client": "1",
    "nom": "Buguet",
    "prenom": "Pascal",
    "cp": "75011"
  },
  {
    "id_client": "2",
    "nom": "Buguet",
    "prenom": "MJ",
    "cp": "75011"
  },
  {
    "id_client": "3",
    "nom": "Fassiola",
    "prenom": "Annabelle",
    "cp": "94000"
  },
  {
    "id_client": "5",
    "nom": "Tintin",
    "prenom": "Albert",
    "cp": "75012"
  },
  {
    "id_client": "6",
    "nom": "Sordi",
    "prenom": "Alberto",
    "cp": "99391"
  },
  {
    "id_client": "7",
    "nom": "Muti",
    "prenom": "Ornella",
    "cp": "99392"
  }
]
```

1.5 TABLE CLIENTS

```
SELECT id_client, nom, prenom, cp FROM clients c;
```

 id_client	nom	prenom	cp
1	Buguet	Pascal	75011
2	Buguet	MJ	75011
3	Fassiola	Annabelle	75011
4	Roux	François	59000
5	Tintin	Albert	75011
6	Sordi	Alberto	99391
7	Muti	Ornella	99392

1.6 STYLE.CSS

```
/*  
style.css  
*/  
table{border-collapse:collapse;}  
caption, th, td{border:1px solid black;}  
td, th{padding: 5px;}
```


1.7 SELECT

1.7.1 *SelectAllClientsJSON.php*

```
<?php

/*
  C:\xampp\htdocs\CRUD_alwaysdata\php>SelectAllClientsJSON.php
  http://localhost/CRUD_alwaysdata/php/SelectAllClientsJSON.php
  http://pascalbuguet.alwaysdata.net/CRUD/php/SelectAllClientsJ
  SON.php
  Renvoie du JSON
*/

header("Content-Type: application/json; charset=UTF-8");
header("Access-Control-Allow-Origin: *");
header("Access-Control-Allow-Headers: Content-Type, Access-
Control-Allow-Headers, X-Requested-With");
header("Access-Control-Allow-Headers: *");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS,
PUT, DELETE");

// Affichage du contenu
echo file_get_contents("../ressources/json/clients.json");
?>
```

1.7.2 SelectAllClientsMySQL.php

```
<?php
/*
  C:\xampp\htdocs\CRUD_alwaysdata\php\
  SelectAllClientsMySQL.php

  http://localhost/CRUD_alwaysdata/php/SelectAllClientsMySQL.php
  p

  http://pascalbuguet.alwaysdata.net/CRUD/php/SelectAllClientsMySQL.php
  Renvoie du JSON
  */

header("Content-Type: application/json; charset=UTF-8");
header("Access-Control-Allow-Origin: *");
header("Access-Control-Allow-Headers: Content-Type, Access-
Control-Allow-Headers, X-Requested-With");
header("Access-Control-Allow-Headers: *");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS,
PUT, DELETE");

try {
    // Connexion
    //$connexion = new
    PDO("mysql:host=localhost;port=3306;dbname=cours;", "root",
    "");
    $connexion = new
    PDO("mysql:host=host;port=3306;dbname=db_name;", "user_name",
    "password");
    $connexion->setAttribute(PDO::ATTR_ERRMODE,
    PDO::ERRMODE_EXCEPTION);
    $connexion->exec("SET NAMES 'UTF8'");

    // Préparation et exécution du SELECT SQL
    $select = "SELECT id_client, nom, prenom, cp FROM
    clients";
    $cursueur = $connexion->query($select);
    $cursueur->setFetchMode(PDO::FETCH_ASSOC);

    // Récupère tous les enregistrements
    $enregistrements = $cursueur->fetchAll();
    // Fermeture du curseur (facultatif)
    $cursueur->closeCursor();
}
```

```
}  
// Gestion des erreurs  
catch (PDOException $e) {  
    $enregistrements = array();  
    $enregistrements["id_client"] = "-1";  
    $enregistrements["nom"] = $e->getMessage();  
    $enregistrements["prenom"] = "";  
    $enregistrements["cp"] = "";  
}  
  
// Déconnexion (facultative)  
$connexion = null;  
  
// Affichage du contenu  
echo json_encode($enregistrements);  
?>
```

1.7.3 GetJSONClients.html

```
<!DOCTYPE html>
<!--
  http://localhost/CRUD_alwaysdata/html/GetJSONClients.html
http://pascalbuguet.alwaysdata.net/CRUD/html/GetJSONClients.h
tml
  C:\xampp\htdocs\CRUD_alwaysdata\html\GetJSONClients.html
-->
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width">
    <title>GetJSONClients.html</title>
    <link rel="icon" type="image/png"
href=" ../icones/favicon.png">
    <link type="text/css" rel="stylesheet"
href=" ../css/style.css" media='screen'>
  </head>

  <body>
    <div id="divDonnees">
      <table>
        <thead>

<tr><th>ID</th><th>Nom</th><th>Prénom</th><th>CP</th></tr>
          </thead>
          <tbody id="lignesDonnees"></tbody>
        </table>
      </div>
      <script src=" ../jquery/jquery.js"></script>
      <script src=" ../js/GetJSONClients.js"></script>
    </body>
  </html>
```

1.7.4 GetJSONClients.js

Tout cela devrait être en mode POST (cf le support jquery_ajax.odt & co).

```
/* C:\xampp\htdocs\CRUD_alwaysdata\js\GetJSONClients.js */

let jqXHR = $.get(

// "http://pascalbuguet.alwaysdata.net/CRUD/php/SelectAllClientsJSON.php"

// "http://pascalbuguet.alwaysdata.net/CRUD/php/SelectAllClientsMySQL.php"

"http://pascalbuguet.alwaysdata.net/CRUD/ressources/json/clients.json"

); /// $.get

jqXHR.done((data) => {
    console.log(data);
    let clients = "";
    for (let i = 0; i < data.length; i++) {
        clients += "<tr><td>" + data[i]["id_client"] +
"</td><td>" + data[i].nom + " </td><td>" + data[i].prenom +
"</td><td>" + data[i].cp + "</td></tr>";
    }
    $("#lignesDonnees").html(clients);
});

jqXHR.fail(function (xhr, statut, erreur) {
    console.log("Erreur AJAX : " + xhr.status + "-" +
xhr.statusText + " : " + statut);
    $("#lignesDonnees").html("<tr><td>" + xhr.status +
"</td><td>" + xhr.statusText + "</td></tr>");
});
```

1.8 INSERT

1.8.1 ClientsInsertMySQLDirect.html

1.8.1.1 Pour MySQL en PHP Direct

```
<!DOCTYPE html>
<!--
C:\xampp\htdocs\CRUD_alwaysdata\html\
ClientsInsertMySQLDirect.html
http://localhost/CRUD_alwaysdata/html/
ClientsInsertMySQLDirect.html
http://pascalbuguet.alwaysdata.net/CRUD/html/
ClientsInsertMySQLDirect.html
-->
<html>
  <head>
    <title>ClientsInsertMySQLDirect.html</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <link rel="icon" type="image/png"
href="../../../icones/favicon.png">
    <link type="text/css" rel="stylesheet"
href="../../../css/style.css" media='screen'>
  </head>
  <body>
    <h1>ClientsInsert.html</h1>
    <form action="../../../php/ClientsInsertMySQL.php"
method="POST">
      <input type="text" name="nom" value="Dupont"
placeholder="Nom ?" />
      <input type="text" name="prenom" value="Albert"
placeholder="Prénom ?" />
      <input type="text" name="cp" value="75011"
placeholder="Code postal ?" />
      <input type="submit" value="Valider"
name="btValider" />
    </form>
  </body>
</html>
```

1.8.1.2 Pour MySQL via AJAX

```
<!DOCTYPE html>
<!--
ClientsInsertMySQLAjax.html
C:\xampp\htdocs\CRUD_alwaysdata\html\
ClientsInsertMySQLAjax.html
http://localhost/CRUD_alwaysdata/html/
ClientsInsertMySQLAjax.html
http://pascalbuguet.alwaysdata.net/CRUD/html/
ClientsInsertMySQLAjax.html
-->
<html>
  <head>
    <title>ClientsInsertMySQLAjax.html</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <link rel="icon" type="image/png"
href="../icones/favicon.png">
    <link type="text/css" rel="stylesheet"
href="../css/style.css" media='screen'>
  </head>

  <body>
    <h1>ClientsInsert.html</h1>
    <input type="text" name="nom" id="nom" value="Dupont"
placeholder="Nom ?" />
    <input type="text" name="prenom" id="prenom"
value="Albert" placeholder="Prénom ?" />
    <input type="text" name="cp" id="cp" value="75011"
placeholder="Code postal ?" />
    <input type="button" value="Valider" name="btValider"
id="btValider" />

    <p id="message">Message</p>

    <script src="../jquery/jquery.js"></script>
    <script src="../js/ClientInsertJSON.js"></script>
  </body>
</html>
```

1.8.2 ClientInsertMySQL.php

```
<?php

/*
    http://localhost/CRUD_alwaysdata/php/ClientInsertMySQL.php
    http://pascalbuguet.alwaysdata.net/CRUD/php/ClientInsertMySQL
    .php
    *
    * C:\xampp\htdocs\CRUD_alwaysdata\php\ClientInsertMySQL.php
    Renvoie du JSON
    */

header("Content-Type: application/json; charset=UTF-8");
header("Access-Control-Allow-Origin: *");
header("Access-Control-Allow-Headers: Content-Type, Access-
Control-Allow-Headers, X-Requested-With");
header("Access-Control-Allow-Headers: *");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS,
PUT, DELETE");

try {
    // Connexion
    $connexion = new
PDO("mysql:host=localhost;port=3306;dbname=cours;", "root",
"");
    // $connexion = new
PDO("mysql:host=host;port=3306;dbname=db_name;", "user",
"password");
    $connexion->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
    $connexion->exec("SET NAMES 'UTF8'");

    $nom = filter_input(INPUT_POST, "nom");
    $prenom = filter_input(INPUT_POST, "prenom");
    $cp = filter_input(INPUT_POST, "cp");

    // Préparation et exécution du SELECT SQL
    $sql = "INSERT INTO clients(nom, prenom, cp)
VALUES(?,?,?)";
    $statement = $connexion->prepare($sql);
    $statement->bindValue(1, $nom);
    $statement->bindValue(2, $prenom);
    $statement->bindValue(3, $cp);
```

```
        $statement->execute();
        $message = array();
        $message["code"] = $statement->rowCount();
        $message["texte"] = $statement->rowCount() . "
enregistrement(s) ajouté(s)";
    }
    // Gestion des erreurs
    catch (PDOException $e) {
        $message = array();
        $message["code"] = "-1";
        $message["texte"] = $e->getMessage();
    }

    // Déconnexion (facultative)
    $connexion = null;

    // Affichage du contenu
    echo json_encode($message);
?>
```

1.8.3 ClientInsertMySQL.js

```
/*
ClientInsertMySQL.js
http://localhost/CRUD_alwaysdata/js/ClientInsertMySQL.js

http://pascalbuguet.alwaysdata.net/CRUD/js/ClientInsertMySQL.
js

C:\xampp\htdocs\CRUD_alwaysdata\js\ClientInsertMySQL.js
*/
function ajout() {
    console.log("AJOUT");

    var nom = $("#nom").val();
    var prenom = $("#prenom").val();
    var cp = $("#cp").val();

    /*
    * CONTROLES VIA ER
    * NOM : STRING
    * PRENOM : STRING
    * CP NUMBER(5)
    */
    let er = new RegExp("^[A-Za-zàâäéèêëîïôöüù ' -]+$", "g");
    // match() renvoie la première valeur ou NULL
    let nomOK = nom.match(er);
    let prenomOK = prenom.match(er);
    er = new RegExp("^[0-9]{5}$", "g");
    let cpOK = cp.match(er);

    if (nomOK && prenomOK && cpOK) {
        let jqXHR = $.post(
            "http://pascalbuguet.alwaysdata.net/CRUD/php/ClientInsertMySQL.php",
            {"nom": nom, "prenom": prenom, "cp": cp}
        ); /// $.post

        jqXHR.done((data) => {
            // data = JSON.parse(data); // Dé-sérialisation
            (chaîne vers objet)
            console.log(data);
            let message = JSON.stringify(data);
            $("#message").html(message);
            //$("#message").html("ok");
        });
    }
}
```

```
}); /// done

jqXHR.fail(function (xhr, statut, erreur) {
    console.log("Erreur AJAX : " + xhr.status + "-" +
xhr.statusText + " : " + statut);
    $("#message").html("Erreur AJAX : " + xhr.status
+ "-" + xhr.statusText + " : " + statut);
}); /// fail

} /// fi
else {
    $("#message").html("Saisies invalides");
} /// else

} /// ajout

$(document).ready(
    function () {
        $("#btValider").on("click", ajout);
    });
```

1.8.4 ClientsInsertJSON.php

```
<?php

/*
    ClientInsertJSON.php
    C:\xampp\htdocs\CRUD_alwaysdata\php\ClientInsertJSON.php
    http://localhost/CRUD_alwaysdata/php/ClientInsertJSON.php

    http://pascalbuguet.alwaysdata.net/CRUD/php/ClientInsertJSON.
    php
    Renvoie du JSON
    */

header("Content-Type: application/json; charset=UTF-8");
header("Access-Control-Allow-Origin: *");
header("Access-Control-Allow-Headers: Content-Type, Access-
Control-Allow-Headers, X-Requested-With");
header("Access-Control-Allow-Headers: *");
header("Access-Control-Allow-Methods: GET, POST, OPTIONS,
PUT, DELETE");

try {
    $nomFichier = "../ressources/json/clients.json";

    // Récupération du contenu du fichier sous forme de flux
    de caractères
    $contenuFichier = file_get_contents($nomFichier);
    // chaine: It is encoded string which must be UTF-8
    encoded data
    $tObjets = json_decode($contenuFichier, true);

    // AJOUT
    $nom = filter_input(INPUT_GET, "nom");
    $prenom = filter_input(INPUT_GET, "prenom");
    $cp = filter_input(INPUT_GET, "cp");

    $tNewObjet = array();
    $tNewObjet["nom"] = $nom;
    $tNewObjet["prenom"] = $prenom;
    $tNewObjet["cp"] = $cp;

    $tObjets[] = $tNewObjet;

    // Réécriture
```

```
// Le tableau -> chaine JSON
$chaineJSON = json_encode($tObjets);
$r = file_put_contents($nomFichier, $chaineJSON);

// SURTOUT PAS
//$r = file_put_contents($nomFichier, $tObjets);

$message = array();
$message["code"] = $r;
$message["texte"] = "1 enregistrement ajouté";
}
// Gestion des erreurs
catch (Exception $e) {
    $message = array();
    $message["code"] = "-1";
    $message["texte"] = $e->getMessage();
}

// Affichage du message
echo json_encode($message);
?>
```