

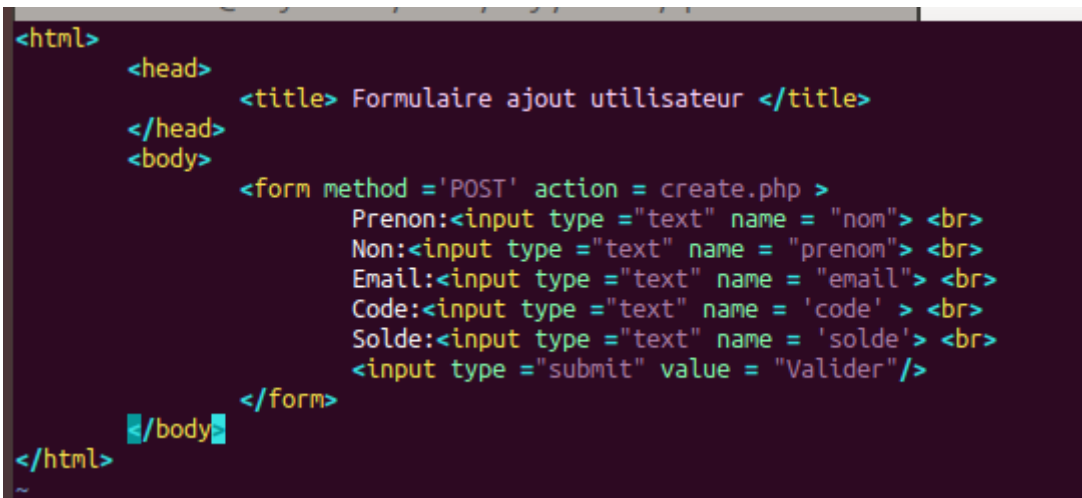
Séquence 13 : Consommation d'API avec PHP

1. Formulaire de consommation d'api en PHP

- Création du formulaire d'ajout d'utilisateurs avec POST

- Le formulaire **form.html**

```
<html>
  <head>
    <title>Formulaire ajout utilisateur </title>
  </head>
  <body>
    <form method = 'POST' action = create.php >
      Prenom:<input type = 'text' name = 'prenom'> <br>
      Nom:<input type = 'text' name = 'nom'> <br>
      Email:<input type = 'text' name = 'email'> <br>
      Code:<input type = 'text' name = 'code' > <br>
      Solde:<input type = 'text' name = 'solde'> <br>
      <input type = "submit" value = "Valider"/>
    </form>
  </body>
</html>
```



```
<html>
  <head>
    <title> Formulaire ajout utilisateur </title>
  </head>
  <body>
    <form method = 'POST' action = create.php >
      Prenon:<input type = "text" name = "nom"> <br>
      Non:<input type = "text" name = "prenom"> <br>
      Email:<input type = "text" name = "email"> <br>
      Code:<input type = "text" name = 'code' > <br>
      Solde:<input type = "text" name = 'solde'> <br>
      <input type = "submit" value = "Valider"/>
    </form>
  </body>
</html>
```

- Création du fichier **create.php**

```
<?php
    $prenom1 = $_REQUEST['prenom'];
    $nom1 = $_REQUEST['nom'];
    $email1 = $_REQUEST['email'];
    $code1 = $_REQUEST['code'];
    $solde1 = $_REQUEST['solde'];
```

```

$url = 'url_to_post';
$data = array("prenom" => $prenom1,"nom" =>$nom1 ,"email"=>$email1
,"code" => $code1, "solde" => $solde1);
$postdata = json_encode($data);
$ch = curl_init($url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $postdata);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type:
application/json'));
curl_setopt($ch, CURLOPT_URL, 'http://127.0.0.1:5000/users');
$result = curl_exec($ch);
curl_close($ch);

```

?>

```

<?php
$prenom1=$_REQUEST['prenom'];
$nom1=$_REQUEST['nom'];
$email1=$_REQUEST['email'];
$code1=$_REQUEST['code'];
$solde1=$_REQUEST['solde'];
$url = 'url_to_post';
$data = array("prenom" => $prenom1,"nom" =>$nom1 ,"email"=>$email1 ,"code" => $code1, "solde" => $solde1);
$postdata = json_encode($data);
$ch = curl_init($url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $postdata);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: application/json'));
curl_setopt($ch, CURLOPT_URL, 'http://127.0.0.1:5000/users');
$result = curl_exec($ch);
curl_close($ch);

echo 'Utilisateur ajoute avec success';
?>

```

Sur le navigateur on fait : <http://localhost/tpcours/form.html> et on remplit le formulaire :

← → ↻ ⓘ localhost/tpcours/form.html

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Prenom:

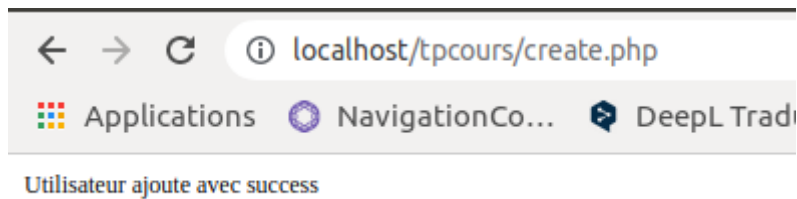
Nom:

Email:

Code:

Solde:

Après validation, on obtient :



Nous pouvons maintenant vérifier dans le fichier **users.json** si l'utilisateur **test** est bien enregistré.

```
{
  "users": [
    {
      "id": 1,
      "prenom": "samuel",
      "nom": "Ouya",
      "email": "samuel@ec2lt.sn",
      "code": "1234",
      "solde": "500000"
    },
    {
      "id": 2,
      "prenom": "Latyr",
      "nom": "NDIAYE",
      "email": "latyr@ec2lt.sn",
      "code": "12345",
      "solde": "1000000"
    },
    {
      "id": 3,
      "first_name": "bessan",
      "last_name": "mickhior",
      "email": "bessan@ec2lt.sn",
      "code": "1234",
      "solde": "53000"
    },
    {
      "prenom": "test",
      "nom": "test",
      "email": "test@ec2lt.sn",
      "code": "1234",
      "solde": "5000",
      "id": 4
    }
  ]
}
```

- **Modification des informations d'un utilisateur**

Formulaire de modification du code et solde avec PUT en donnant son ID fixé

Le fichier modifie.html

```
<html>
  <head>
    <title>Formulaire ajout utilisateur </title>
  </head>
  <body>
    <form method = 'PUT' action = update.php >
      ID : <input type = 'text' name = 'id'> <br>
      Prenom: <input type = 'text' name = 'nom'> <br>
      Non: <input type = 'text' name = 'prenom'> <br>
      Email: <input type = 'text' name = 'email'> <br>
```

```

        Code:<input type ='text" name = 'code' > <br>
        Solde:<input type ='text" name = 'solde'> <br>
        <input type ="submit" value = "Valider"/>
    </form>
</body>
</html>

```

```

<html>
  <head>
    <title> Formulaire ajout utilisateur </title>
  </head>
  <body>
    <form method ='PUT' action = update.php >
      ID: <input type ="text" name = 'id'> <br>
      Prenon:<input type ="text" name = "nom"> <br>
      Non:<input type ="text" name = "prenom"> <br>
      Email:<input type ="text" name = "email"> <br>
      Code:<input type ="text" name = 'code' > <br>
      Solde:<input type ="text" name = 'solde'> <br>
      <input type ="submit" value = "Valider"/>
    </form>
  </body>
</html>

```

- Création du fichier **update.php**

```

<?php
    $id1=$_REQUEST['id'];
    $prenom1=$_REQUEST['prenom'];
    $nom1=$_REQUEST['nom'];
    $email1=$_REQUEST['email'];
    $code1=$_REQUEST['code'];
    $solde1=$_REQUEST['solde'];
    $url = 'url_to_post';
    $data = array("id" => $id1,"prenom" => $prenom1,"nom" =>$nom1 ,"email"=>$email1 ,"code" =>
    $code1, "solde" => $solde1);
    $postdata = json_encode($data);
    $ch = curl_init($url);
    curl_setopt($ch, CURLOPT_POST, 1);
    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "PUT");
    curl_setopt($ch, CURLOPT_POSTFIELDS, $postdata);
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
    curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: application/json'));
    curl_setopt($ch, CURLOPT_URL, 'http://127.0.0.1:5000/users/'. $id1);
    $result = curl_exec($ch);
    curl_close($ch);
?>

```

```

<?php
    $id1 = $_REQUEST['id'];
    $prenom1 = $_REQUEST['prenom'];
    $nom1 = $_REQUEST['nom'];
    $email1 = $_REQUEST['email'];
    $code1 = $_REQUEST['code'];
    $solde1 = $_REQUEST['solde'];
    $url = 'url_to_post';
    $data = array("id" => $id1, "prenom" => $prenom1, "nom" => $nom1, "email" => $email1, "code" => $code1, "solde" => $solde1);
    $postdata = json_encode($data);
    $ch = curl_init($url);
    curl_setopt($ch, CURLOPT_POST, 1);
    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "PUT");
    curl_setopt($ch, CURLOPT_POSTFIELDS, $postdata);
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
    curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: application/json'));
    curl_setopt($ch, CURLOPT_URL, 'http://127.0.0.1:5000/users/'.$id1);
    $result = curl_exec($ch);
    curl_close($ch);

    echo 'Utilisateur modifié avec succès';
?>

```

Sur le navigateur on fait : <http://localhost/tpcours/modifier.html> et on remplit le formulaire en donnant l’ID de l’utilisateur à modifier:

← → ↻ ⓘ localhost/tpcours/modifier.html

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ID: 4

Prenom: test

Nom: test

Email: test@ec2lt.sn

Code: 123456

Solde: 60000

Valider

← → ↻ ⓘ localhost/tpcours/update.php?id=4&nom=test&prenom=test&email=test%40ec2lt.sn&code=123456&so... ☆

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Utilisateur modifié avec succès

Nous pouvons maintenant vérifier dans le fichier **users.json** si l’utilisateur **test** est bien modifié.

```

{
  "users": [
    {
      "id": 1,
      "prenom": "samuel",
      "nom": "Ouya",
      "email": "samuel@ec2lt.sn",
      "code": "1234",
      "solde": "500000"
    },
    {
      "id": 2,
      "prenom": "Latyr",
      "nom": "NDIAYE",
      "email": "latyr@ec2lt.sn",
      "code": "12345",
      "solde": "1000000"
    },
    {
      "id": 3,
      "first_name": "bessan",
      "last_name": "mickhior",
      "email": "bessan@ec2lt.sn",
      "code": "1234",
      "solde": "53000"
    },
    {
      "id": 4,
      "prenom": "test",
      "nom": "test",
      "email": "test@ec2lt.sn",
      "code": "123456",
      "solde": "50000"
    }
  ]
}

```

- **Suppression d'un utilisateur**

Formulaire de suppression avec DELETE en donnant son ID de l'utilisateur à supprimer

*Le fichier **supprimer.html***

```

<html>
  <head>
    <title> Formulaire ajout utilisateur </title>
  </head>
  <body>
    <form method ='DELETE' action = delete.php >
      ID: <input type ="text" name = 'id'> <br>
      <input type ="submit" value = "Valider"/>
    </form>
  </body>
</html>

```

```

<html>
  <head>
    <title> Formulaire ajout utilisateur </title>
  </head>
  <body>
    <form method = 'DELETE' action = delete.php >
      ID: <input type = "text" name = 'id'> <br>
      <input type = "submit" value = "Valider"/>
    </form>
  </body>
</html>

```

- Création du fichier **delete.php**

```

<?php
    $id1 = $_REQUEST['id'];

    $url = 'url_to_post';
    $data = array("id" => $id1);
    $postdata = json_encode($data);
    $ch = curl_init($url);
    curl_setopt($ch, CURLOPT_POST, 1);
    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "DELETE");
    curl_setopt($ch, CURLOPT_POSTFIELDS, $postdata);
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
    curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type:
application/json'));
    curl_setopt($ch, CURLOPT_URL, 'http://127.0.0.1:5000/users/'.$id1);
    $result = curl_exec($ch);
    curl_close($ch);

    echo 'Utilisateur supprimé avec success';
?>

```

```

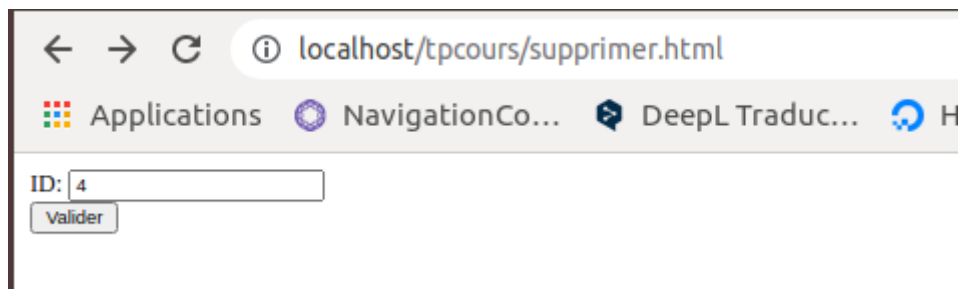
<?php
    $id1 = $_REQUEST['id'];

    $url = 'url_to_post';
    $data = array("id" => $id1);
    $postdata = json_encode($data);
    $ch = curl_init($url);
    curl_setopt($ch, CURLOPT_POST, 1);
    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, "DELETE");
    curl_setopt($ch, CURLOPT_POSTFIELDS, $postdata);
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
    curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: application/json'));
    curl_setopt($ch, CURLOPT_URL, 'http://127.0.0.1:5000/users/'.$id1);
    $result = curl_exec($ch);
    curl_close($ch);

    echo 'Utilisateur supprime avec success';
?>

```

Sur le navigateur on fait : <http://localhost/tpcours/supprimer.html> et on remplit le formulaire en donnant l’ID de l’utilisateur à modifier:

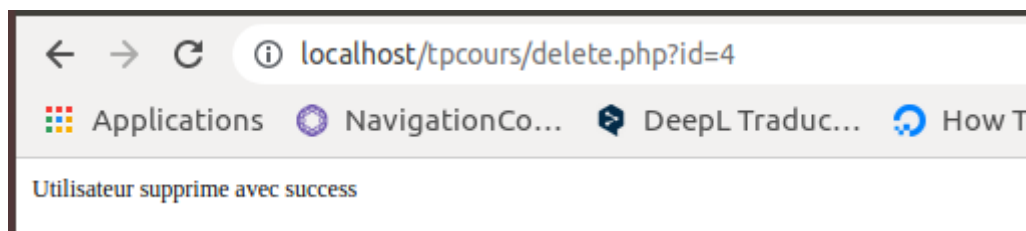


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ID: 4

Valider



← → ↻ ⓘ localhost/tpcours/delete.php?id=4

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Utilisateur supprime avec success

Nous pouvons maintenant vérifier dans le fichier **users.json** si l'utilisateur **test** est bien supprimé.


```
{
  "users": [
    {
      "id": 1,
      "prenom": "samuel",
      "nom": "Ouya",
      "email": "samuel@ec2lt.sn",
      "code": "1234",
      "solde": "500000"
    },
    {
      "id": 2,
      "prenom": "Latyr",
      "nom": "NDIAYE",
      "email": "latyr@ec2lt.sn",
      "code": "12345",
      "solde": "1000000"
    },
    {
      "id": 3,
      "first_name": "bessan",
      "last_name": "mickhior",
      "email": "bessan@ec2lt.sn",
      "code": "1234",
      "solde": "53000"
    }
  ]
}
```