Sections

ex00 session

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- "index.php" is a form which uses the GET method, the username field is called "login", the password field "passwd", the validation button is called "submit" and its value is "OK"? -> +3pt

```
$> curl -v -c cook.txt 'http://eXrXpXX.42.fr:8080/ex00/index.php'
...
> GET /ex00/index.php HTTP/1.1
[...]
> Host: eXrXpXX.42.fr:8080
> Accept: */*
>
< HTTP/1.1 200 OK
[...]
* Added cookie PHPSESSID="ji22ln1iua24au9eo97ubbego0" for domain eXrXpXX.42.fr, path /, expire 0
< Set-Cookie: PHPSESSID=ji22ln1iua24au9eo97ubbego0; path=/
< Expires: Thu, 19 Nov 1981 08:52:00 GMT
[...]
<html><body>
<form method="get" action="index.php">
   Username: <input type="text" name="login" value="" />
   <br />
   Password: <input type="password" name="passwd" value="" />
  <input type="submit" name="submit" value="OK" />
</form>
* Connection #0 to host j04.local.42.fr left intact
</body></html>* Closing connection #0
$>
$>
```

- The login/passwd values submitted are saved in the session then read and integrated in the form as default values? -> +2pt

```
$> curl -v -b cook.txt 'http://eXrXpXX.42.fr:8080/ex00/index.php?login=sb&passwd=beeone&submit=OK'
[...]
>
GET /ex00/index.php?login=sb&passwd=beeone&submit=OK HTTP/1.1
[...]
>
Host: eXrXpXX.42.fr:8080
> Accept: */*
> Cookie: PHPSESSID=ji22ln1iua24au9eo97ubbego0
>
```

```
< HTTP/1.1 200 OK
[...]
<
<html><body>
<form method="get" action="index.php">
   Username: <input type="text" name="login" value="sb" />
   <br />
   Password: <input type="password" name="passwd" value="beeone" />
  <input type="submit" name="submit" value="OK" />
</form>
* Connection #0 to host j04.local.42.fr left intact
</body></html>* Closing connection #0
$>
```

Rate it from 0 (failed) through 5 (excellent)

ex01 create_account

The objective was to create a form allowing the creation of an accountLe but était de créer un formulaire permettant de créer son compte with a username and its password. - Information must be saved in a folder /private/passwd - It's not possible to use the same username twice.

ex01 create_account

- Simple creation: It works? +2pt

```
$> curl -d login=truc -d passwd=titi1 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex01/create.php'
OK
$> more ~/PATHToMyWebSite/j04/private/passwd
a:1:{i:0;a:2:{s:5:"login";s:4:"truc";s:6:"passwd";s:128:"2bdd45b3c828273786937ac1b4ca7908a431019e8b93c9fd337317f92fac80dace29802bedc33
```

- Error management: It's not possible to use twice the same username or a blank password. +2pt

```
$> curl -d login=truc -d passwd=titi1 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex01/create.php'
ERROR
$> curl -d login=machin -d passwd= -d submit=OK 'http://eXrXpXX.42.fr:8080/ex01/create.php'
ERROR
$>
```

- Hash algorithm: The implemented hash algorithm isn't md5 or sha1. +1pt

- The password isn't hashed and is stored in plain text. 0 for the exercise.

Rate it from 0 (failed) through 5 (excellent)

ex02 modif_account

ex02 modif_account

- Remove the previous exercise's file to avoid issues.

```
$> rm ~/PATHToMyWebSite/j04/private/passwd
```

- Create an account using the previous exercise.

```
$> curl -d login=z -d passwd=42 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex02/create.php'

OK
```

- Change the password and check that it's updated in /private/passwd -> +2pt

```
$> curl -d login=z -d oldpw=42 -d newpw=84 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex02/modif.php'

OK

$> more ~/PATHToMyWebSite/j04/private/passwd

a:1:{i:0;a:2:{s:5:"login";s:1:"z";s:6:"passwd";s:128:"76936d1331bb87561dead9036bce3a29e7667d5a228a85ea825210d3944c2fad2f15c36aa6affa72
```

- Error management: Check that an error is returned when giving a wrong password and that it's not possible to put an empty password -> +2pt

```
$> curl -d login=z -d oldpw=42 -d newpw=84 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex02/modif.php'

ERROR

$> curl -d login=x -d oldpw=42 -d newpw= -d submit=OK 'http://eXrXpXX.42.fr:8080/ex02/modif.php'

ERROR

$>
```

- Hash algorithm: The implemented hash algorithm isn't md5 or sha1. +1pt

- The password isn't hashed and is stored in plain text. 0 for the exercise.

Rate it from 0 (failed) through 5 (excellent)

○

ex03 auth

The objective of this exercise was to use both session and the login/passwd management and store in the session the fact that the user is signed-in without sending the password on the network over and over again. The first thing to do what to write a function to check the login/pass submitted by the user function auth($login, $passwd); The function returns TRUE or FALSE if the login/pass are valid or not. Next step was to created a login.php file that would use that function and if TRUE is returned store the login in the session variable $_SESSION['loggued_on_user'] an empty string otherwise. Then create a logout.php file that destroys the session. Finally create a whoami.php file that would display the $_SESSION['loggued_on_user'] content. If it's empty or doesn't exist no user is signed-in. In this case it must answer ERROR

ex03 auth

- Both login.php and whoami.php works? +3pt

```
$> rm ~/PATHToMyWebSite/j04/private/passwd

$> curl -d login=toto -d passwd=titi -d submit=OK 'http://eXrXpXX.42.fr:8080/ex02/create.php'

OK

$> curl -c cook.txt 'http://eXrXpXX.42.fr:8080/ex03/login.php?login=toto&passwd=titi'

OK

$> curl -b cook.txt 'http://eXrXpXX.42.fr:8080/ex03/whoami.php'

toto
```

```
$>
```

- The login.php file includes the auth.php file. +1pt

- The logout.php file destroys the session properly. +1pt

```
$> curl -b cook.txt 'http://eXrXpXX.42.fr:8080/ex03/logout.php'

$> curl -b cook.txt 'http://eXrXpXX.42.fr:8080/ex03/whoami.php'

ERROR

$>
```

Rate it from 0 (failed) through 5 (excellent)

ex04 42chat

The objective of this exercise it to create a multi-user chat by using all the files created in previous exercises.

ex04 42chat 1/2

- The index.html page has a sign-in form, there is a link to create a new account, a link to modify an existing account? +1pt
- Once registered it's possible to sign-in and the page displays 2 iframes ? +1pt

```
$> curl -d login=user1 -d passwd=pass1 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex04/create.php'

OK

$> curl -d login=user2 -d passwd=pass2 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex04/create.php'

OK

$> curl -c user1.txt -d login=user1 -d passwd=pass1 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex04/login.php'

[...]

  <iframe name="chat" src="chat.php" width="100%" height="550px"></iframe>

  <iframe name="speak" src="speak.php" width="100%" height="50px"></iframe>

[...]
```

- The bottom iframe has a form which uses speak.php to allow a user to add a new message in the chat (/private/chat) ? +1pt

```
$> curl -b user1.txt -d submit=OK -d msg=Bonjours 'http://eXrXpXX.42.fr:8080/ex04/speak.php'

[...]

$> curl -c user2.txt -d login=user2 -d passwd=pass2 -d submit=OK 'http://eXrXpXX.42.fr:8080/ex04/login.php'

[...]

$> curl -b user2.txt -d submit=OK -d msg=Hello 'http://eXrXpXX.42.fr:8080/ex04/speak.php'

[...]
```

- The /private/chat file is filled (The timestamps will obviously not the the same) +1pt

```
 $> more ~/PATHToMyWebSite/j04/private/chat

a:2:{i:0;a:3:{s:5:"login";s:5:"user1";s:4:"time";i:1364287362;s:3:"msg";s:8:"Bonjours";}i:1;a:3:{s:5:"login";s:5:"user2";s:4:"time";i:
```

- The chat.php file reads and display the content of the /private/chat with the proper formatting +1pt

```
$> curl -b user2.txt 'http://eXrXpXX.42.fr:8080/ex04/chat.php'

[09:42] <b>user1</b>: Bonjours<br />

[09:43] <b>user2</b>: Hello<br />

$>
```

Rate it from 0 (failed) through 5 (excellent)

ex04 42chat 2/2

- When validating the speak.php form, the other iframe (chat.php) reloads. +1pt
- It's possible to log-out speak.php then don't allow any new messages to be posted. +1pt

```
 $> curl -b user1.txt -c user1.txt 'http://eXrXpXX.42.fr:8080/ex04/logout.php'

$> curl -b user1.txt -d submit=OK -d msg=Bonjours 'http://eXrXpXX.42.fr:8080/ex04/speak.php'

ERROR

$>
```

- Flock was used in the speak.php file to prevent 2 different users to simultanously write a message in the /private/chat file. -> +2pt
- Flock was used in the chat.php file to prevent reading the /private/chat file when someone is modifying it. -> +1pt

Rate it from 0 (failed) through 5 (excellent)