# ECM1417: Web Development

**Workshop 05**

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Wednesday, February 17th, 2021

In the following workshop you will learn how to program stateful websites. To this end you will:

- Set and read HTTP cookies.

- Use HTTP sessions.

# 1 Cookies

For the following exercise you should create two PHP scripts:

**setcookie.php** creates two cookies:

- A cookie "name" which contains your name and which is valid for one day.
- A cookie "sname" containing your surname and which is valid for one week but only for documents within the "/afolder" directory of your application.

**getcookie.php** outputs the content of the two cookies "name" and "sname" or a corresponding message if they are not set.

Now execute the following steps:

1. Use Telnet to send a GET request to `setcookie.php` and inspect the `setCookie` headers of the corresponding HTTP response.

2. Use your browser to open the `setcookie.php` page and search the cookies in your browser's cookie jar.

3. Use Telnet to send a GET request to `getcookie.php` in a way that the script outputs your name and surname.

4. Use your browser to open `getcookie.php`. Why is only one cookie displayed?

# 2 Sessions

For the following exercise you should create four PHP scripts:

**setsession.php** creates two session variables:

- A variable "name" which contains your name.
- A variable "sname" containing your surname.

**getsession.php** outputs the content of the two session variables "name" and "sname" or a corresponding message if they are not set.

**unset.php** which unsets the session.

**destroy.php** which destroys the session.

Now execute the following steps:

1. Use Telnet to send a GET request to `setsession.php` and inspect the `setCookie` headers of the corresponding HTTP response.

2. Use Telnet to send a GET request to `getsession.php` in a way that the script outputs your name and surname.

3. Detect the file containing the session variables and inspect its contents (session variables are usually stored in `/var/lib/php/session`).

4. Use Telnet to send a GET request to `unset.php` and inspect the content of the session file.

5. Use Telnet to send a GET request to `destroy.php` and inspect the content of the session file.