



# PHP cookie & Session

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Xbi Aug. 2020



# Agenda

- Viden om Cookie & session
- Prøve user Authentication
- Øvelse om session



# Hvad er Cookie?





# Cookies







## COOKIES & GDPR

Hvad er reglerne for cookies og cookies' indsamling af personoplysninger?

# COOKIE HVAD MÅ MAN ?



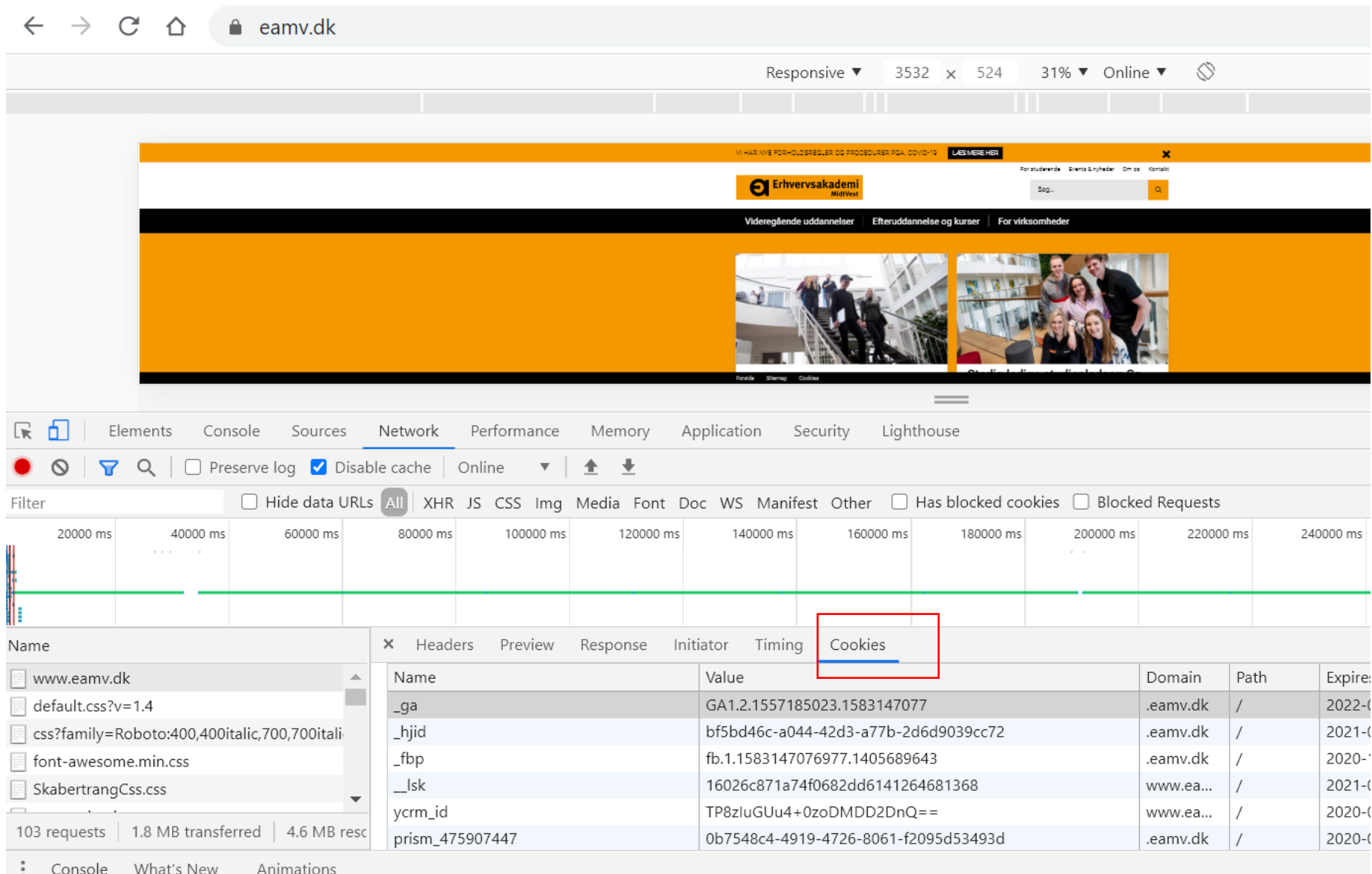
# Cookieregler

- **Cookieregler for hjemmesideejere**
- Cookiereglerne stiller krav om, at du indhenter et informeret samtykke fra dem, der besøger hjemmesiden, **inden** du og andre anvender cookies og lignende teknologier til fx statistik eller markedsføringsformål.
- Hvis du derimod kun bruger eller tillader, at der bruges cookies til tekniske nødvendige formål på din hjemmeside, behøver du ikke informere brugerne eller få deres samtykke hertil. Hvis du ikke lever op til cookiereglerne, kan det straffes med bøde.
- Xbi, nye regler- Læs cookiesFDIH



læs

[https://www.fdi.dk/nyheder/2020/august/danske-netbutikker-i-cookie-nodrab-vi-ser-spogelser?utm\\_campaign=please-insert-name&utm\\_content=not-used&utm\\_medium=email&utm\\_source=ApsisPro](https://www.fdi.dk/nyheder/2020/august/danske-netbutikker-i-cookie-nodrab-vi-ser-spogelser?utm_campaign=please-insert-name&utm_content=not-used&utm_medium=email&utm_source=ApsisPro)





# COOKIES

- Browser dependent
  - stores cookies on user's browser
- Moves page to page
- Always stored as text



# COOKIES WITH PHP

## ○ Set cookie

- setcookie() stores data in cookies
- Syntax: `setcookie("cookie name","value");`
- Accepts an optional third argument
  - Sets the expiration date of the cookie
- E.g: `setcookie(„username“, „aacssh“, time()+(60 * 60));`
  - Sets expiration date 1 hour (60sec \* 60min) from the current time

## ○ Retrieve cookie

- using super global using `$_COOKIE`
- E.g: `$_COOKIE[„cookie name“];`

(CONT...)

- Delete cookie

- Set expiration date to time in the past

- Syntax:

- `setcookie(„username“, „aacssh“, time()-3600);`

- Set time in the past

# Cookie i JS

- [https://www.w3schools.com/js/js\\_cookies.asp](https://www.w3schools.com/js/js_cookies.asp)



Welcome to Millenium Gynmastics Booster Club Popcorn Sales

Buyer's Name:

Street Address:

City, State, Zip:

E-mail

Product Name	Price	Quantity
Unpopped Popcorn (1 lb.)	\$3.00	<input type="text"/>
Caramel Popcorn (2 lb. cannister)	\$3.50	<input type="text"/>
Caramel Nut Popcorn (2 lb. cannister)	\$4.50	<input type="text"/>
Toffee Nut Popcorn (2 lb. cannister)	\$5.00	<input type="text"/>

Payment Method:

- ☒ Visa
- ☐ Master Card

Cookies.

By using this website, you automatically accept that we use cookies. [What for?](#)

Understood

ØVELSE JS




COOKIES





# COOKIE AF.OPGAVE1

# Sessions

 <b>COOKIES</b>	<b>VS</b>	 <b>SESSIONS</b>
Used to keep temporary data available throughout entire site		
Stored on the client side		Stored on the server side
Less secure Easily tampered		More secure Hard to tamper
Managed with Javascript & PHP		Managed with PHP only
 <a href="https://code-boxx.com/cookies-sessions-php/">https://code-boxx.com/cookies-sessions-php/</a>		



# HOW PHP SESSIONS WORK

- STEP-BY-STEP EXAMPLE -



1) User accesses the website.



2) Web browser fires an HTTP request to the server.



3) `session_start()` on server, generate a random ID. For example, "abc123"



5) Server returns requested page and cookie with PHP session ID "abc123"

4) Create session file `SESS_abc123` in temp folder



6) Subsequent visits to the website, cookie will be sent along with HTTP request.



## SESSION

- Time spend by user at web application
- Stores small piece of data on server
- More secure and more reliable
- Automatically destroyed by shutting down the browser
- Stored in session variable

## SESSION WITH PHP

- Starting session
  - Started by function `session_start()`
    - Allow data to store in session variables
    - Should be the first line of code
- End session
  - Close session with `session_destroy()`





# Sekundere litteraturer



<https://kinsta.com/dk/blog/wordpress-cookies-php-sessioner/>

# Session syntax

- // Start the session  
`session_start();`
- // Set session variables  
`$_SESSION["favcolor"] = "green";`
- // destroy the session  
`session_destroy();`

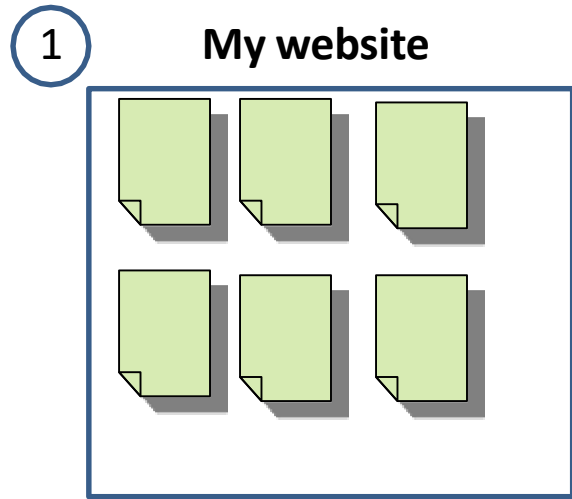
## ➤ **Example create session for each user**

To create that we need :

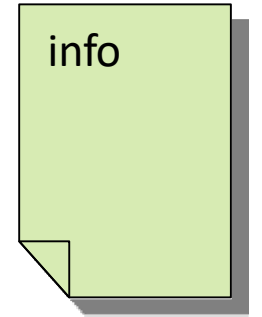
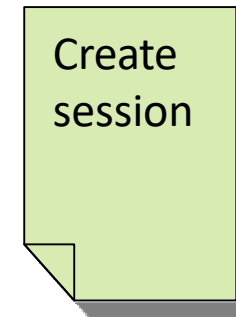
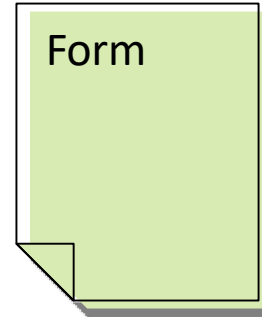
- HTML – “Form login”
- PHP – “session”



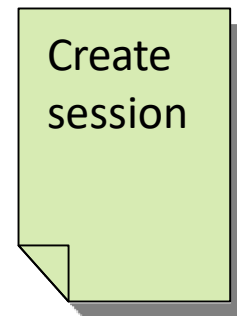
# ➤ Plan to do that:



2 loginsession.php



3 Ch\_logout.php





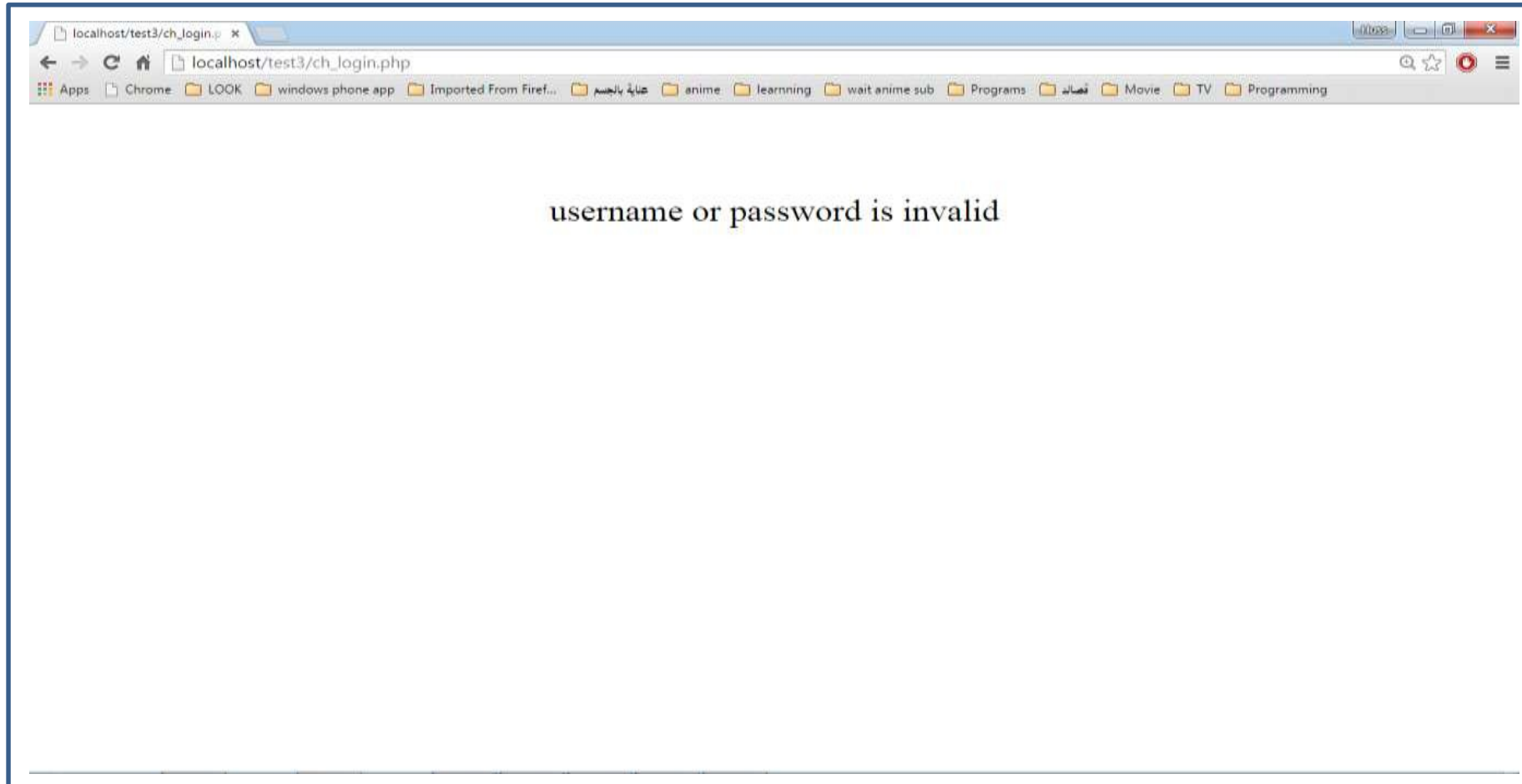
# ➤ login.php

Name :

Password :



# ➤ sessionlogin.php /info





Øvelse 1 session count

Øvelse 2 register preference

## ➤ Af. Opgave 2 session-login logout

Enter Username and Password

You have entered valid use name and password

Click here to clean [Session](#).