Vivify Academy

Cookies

- Small amount of text (4kb)
- Used to identify user
- Store user's specifics, selected theme, settings, progress of some process, username (not password!)

Flow

- Set by the server
- Store on client's machine
- Sent with every HTTP request

- How can I see them in the browser?
- Never assume cookie exists

Cookies in PHP

- http://php.net/manual/en/function.setcookie.php

```
bool setcookie ( string $name [, string $value = "" [, int $expire = 0
[, string $path = "" [, string $domain = "" [, bool $secure = false [,
bool $httponly = false ]]]]]] )
```

- $expire == 0, then what?
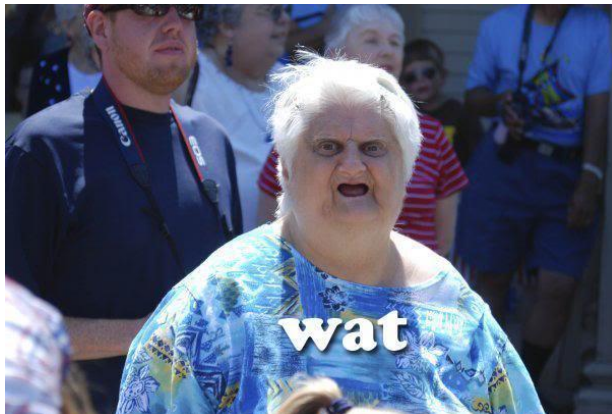- $expire in seconds
  - 30 days => `time() + 60 * 60 * 24 * 30`

Cookies in PHP

- Once set, sent with every request
- Stored in `$_COOKIE` global variable
  (array which is accessed same way as `$_POST, $_GET`)
- key is what we used as name in setcookie function
- check with `isset()` function

Delete Cookies

- use `setcookie`

- same name, date in the past
  ```
  setcookie("TestCookie", "", time() - 3600);
  ```

Zagrevanje I

- Napraviti skriptu koja sadrzi login formu. Klikom na submit, korisnik se vodi na home.php skriptu (POST metod), koja ispisuje username i password koji je korisnik uneo. Nakon refresh-a stranice username i password moraju biti vidljivi.
  HINT: Iskoristi setcookie

Sessions

A session is a way to store information (in variables) to be used across multiple pages. Unlike a cookie, the information is not stored on the users computer.

- Alternative way of identifying user (or sending data across multiple requests, pages)
- Stored on the server (in a file e.g, with session key and related values)
- Path can be changed in php.ini
- Users are uniquely identified using sessionId
- Duration

Sessions in PHP

- Creates a unique identifier for that session
- A cookie called PHPSESSID is sent to user's computer
- File is created on server

Sessions in PHP

- Gets the unique session identifier from PHPSESSID cookie
- Looks in temporary folder to try to find it

Sessions is PHP

- `session_start` on the beginning of .php script
- session variables are placed within $_SESSION
- array, same as we used before :)
- change value => just overwrite

Sessions in PHP

```php
<?php

    // start session

    session_start ([ array $options = [] ] )

    // remove all session variables

    session_unset();

    // destroy the session

    session_destroy();

?>
```

Cookies vs Sessions

- Sessions are unique per user, not depending on browser
- Sessions are secured
- Cookies have explicit expiration date
- Cookie Data size limit is relatively small (4K)
- Cookie Data is just simple key => value pairs, Session data can also be arrays, objects

Sessions without cookies

- SID

Zagrevanje II

- Napraviti skriptu koja sadrzi login formu. Klikom na submit, korisnik se vodi na home.php skriptu (POST metod), koja ispisuje username i password koji je korisnik uneo. Nakon refresh-a stranice username i password moraju biti vidljivi.
  HINT: Iskoristi session