

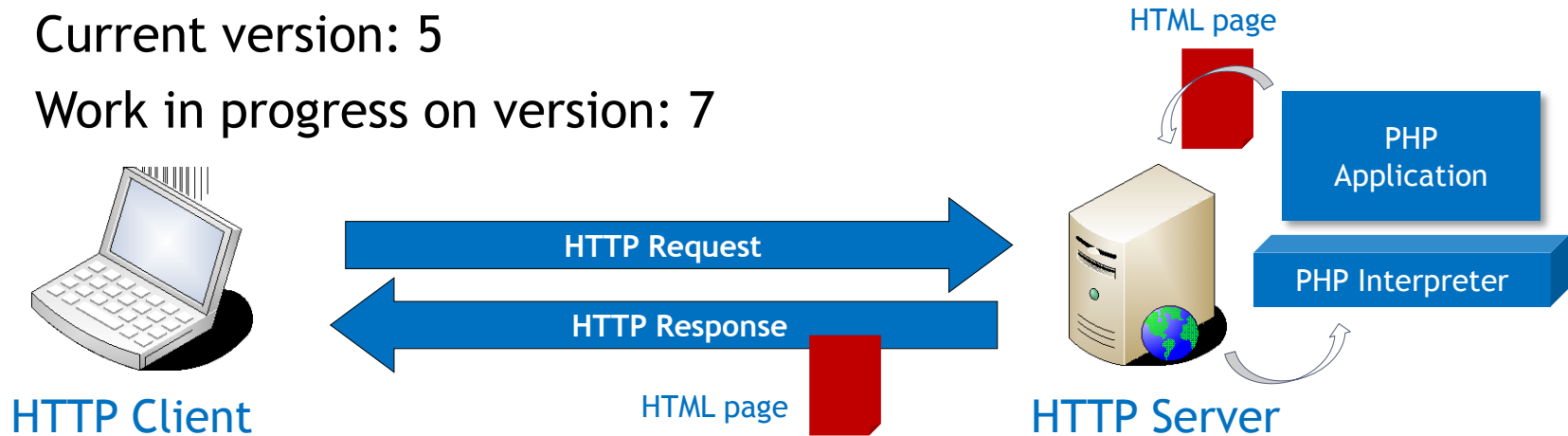
Internet Applications

Maciej Zakrzewicz

Institute of Computing Science, Poznan University of Technology, <http://zakrzewicz.pl>

PHP

- ▶ Server-side scripting language
- ▶ Generate dynamic HTML pages, template-based
- ▶ Installed on 40% of websites
- ▶ Created by Rasmus Lerdorf in 1994
- ▶ Current version: 5
- ▶ Work in progress on version: 7



PHP Example

```
<!DOCTYPE html>

<html>

<head><title>Demo</title></head>

<body>

  <h1>PHP Calculator</h1>

  <?php for ($i=1;$i<10;$i++) {

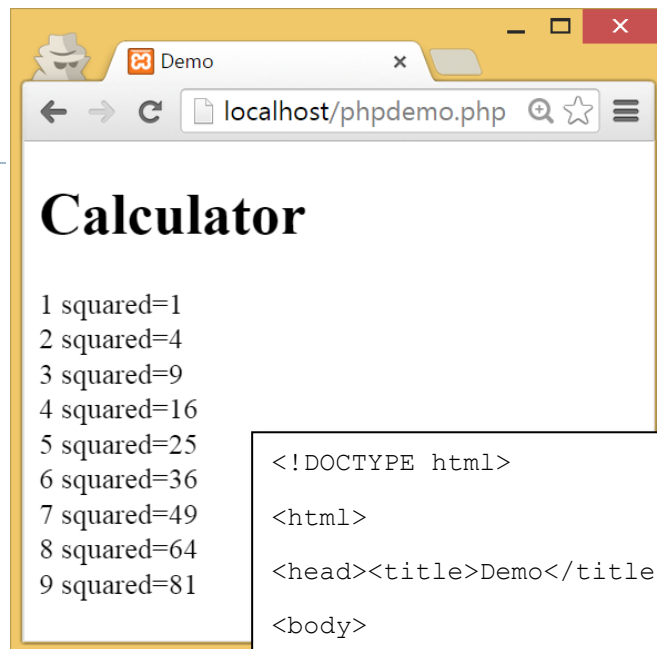
    echo("$i squared=".$i*$i);

    echo(' <br/>');

  } ?>

</body>
```

PHP source



```
<!DOCTYPE html>

<html>

<head><title>Demo</title></head>

<body>

  <h1>Calculator</h1>

  1 squared=1<br/>2 squared=4<br/>3
squared=9<br/>4 squared=16<br/>5
squared=25<br/>6 squared=36<br/>7
squared=49<br/>8 squared=64<br/>9
squared=81<br/>

</body>
```

generated content

Reading:

„PHP 5 Tutorial“

<http://www.w3schools.com/php/>

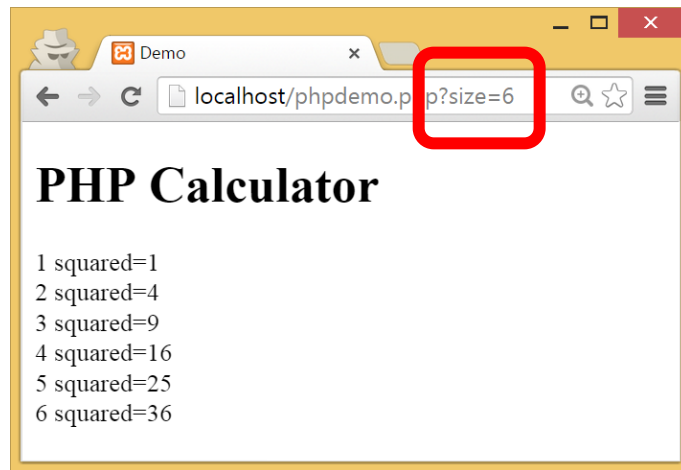
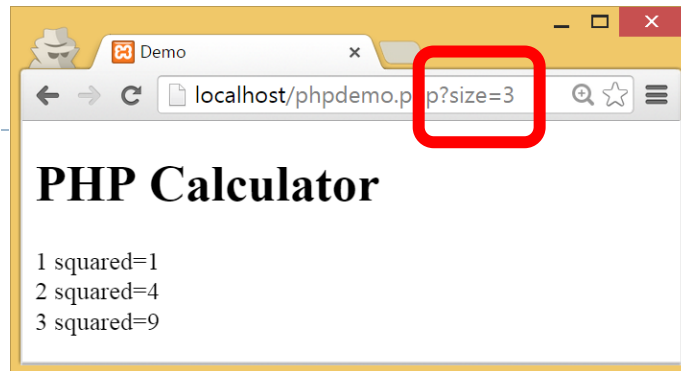
PHP Syntax

- ▶ C-like syntax
- ▶ Variables: prefixed with a \$, case sensitive names, type does not need to be specified, declaration not required
- ▶ Strings: """ vs. “”
- ▶ Arrays: indexed, associative, multidimensional
- ▶ Functions
- ▶ Objects
- ▶ Comments
- ▶ Exceptions
- ▶ Global variables - Superglobals
- ▶ Code organization: include “”

PHP Superglobals

```
<!DOCTYPE html>
<html>
<head><title>Demo</title></head>
<body>
  <h1>PHP Calculator</h1>
  <?php
    $s = $_GET['size'];
    for ($i=1;$i<=$s;$i++) {
      echo("$i squared=".$i*$i);
      echo('<br/>');
    } ?>
</body>
```

PHP source

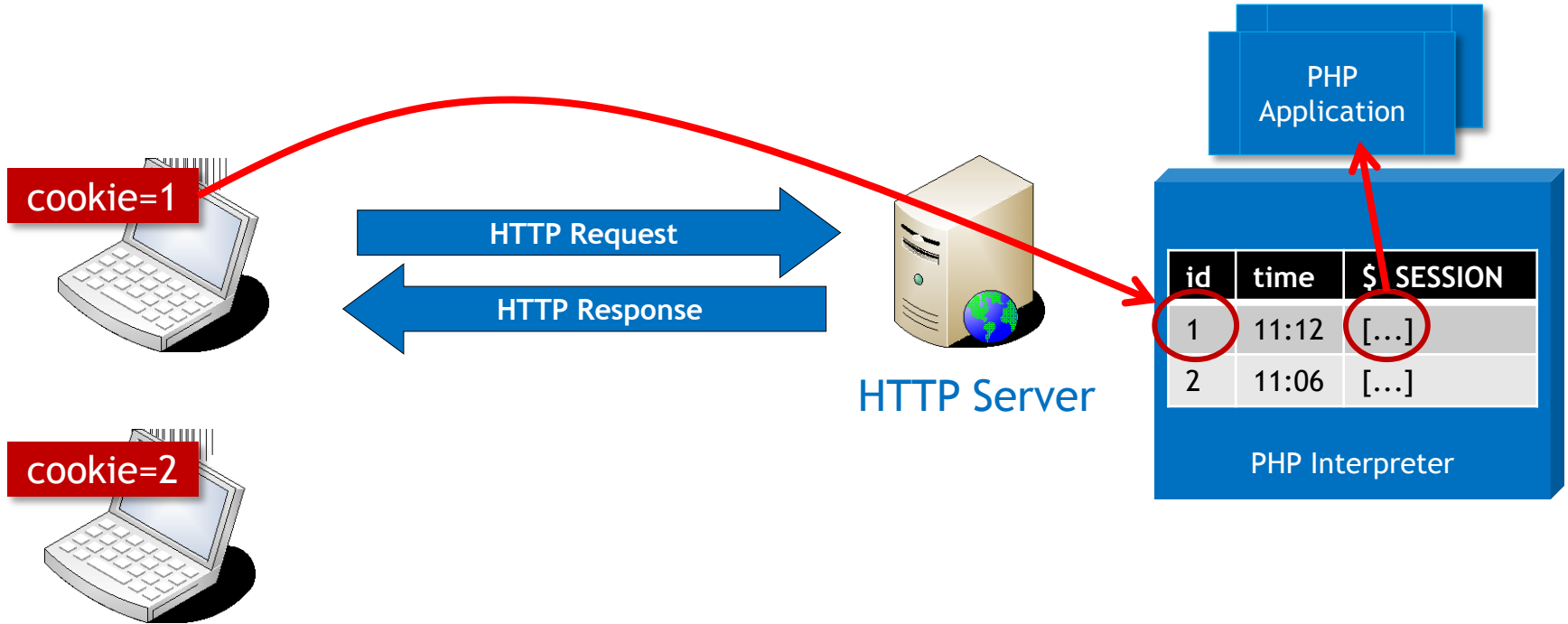


PHP Session

Reading:

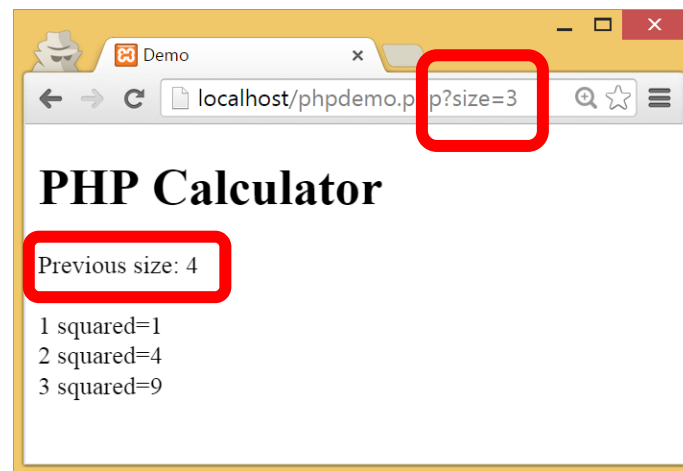
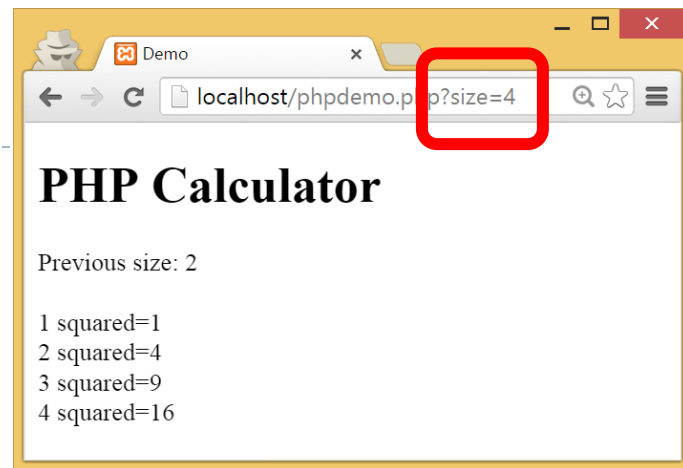
„Session Handling“

<http://php.net/manual/en/book.session.php>



PHP Session Example

```
<?php session_start(); ?>
<!DOCTYPE html>
<html>
<head><title>Demo</title></head>
<body>
  <h1>PHP Calculator</h1>
  <?php
    $s = $_GET['size'];
    echo('Previous size: '
      .$_SESSION['prev_size']
      . '<br/><br/>');
    $_SESSION['prev_size']=$s;
    for ($i=1;$i<=$s;$i++) {
      echo("$i squared=".$i*$i);
      echo(' <br/>');
    } ?>
</body>
```



PHP Frameworks

- ▶ Laravel
- ▶ Phalcon
- ▶ Symfony2
- ▶ CodeIgniter
- ▶ Yii
- ▶ Aura
- ▶ CakePHP
- ▶ Zend Framework
- ▶ Kohana

Reading:

„Symfony Get Started“

<http://symfony.com/get-started>

Reading:

„CakePHP Cookbook“

<http://book.cakephp.org/3.0/en/index.html>

Reading:

„Getting Started with Zend Framework“

<http://framework.zend.com/manual/current/en/user-guide/overview.html>

Reading:

„Laravel Quickstart“

<http://laravel.com/docs/4.2/quick>