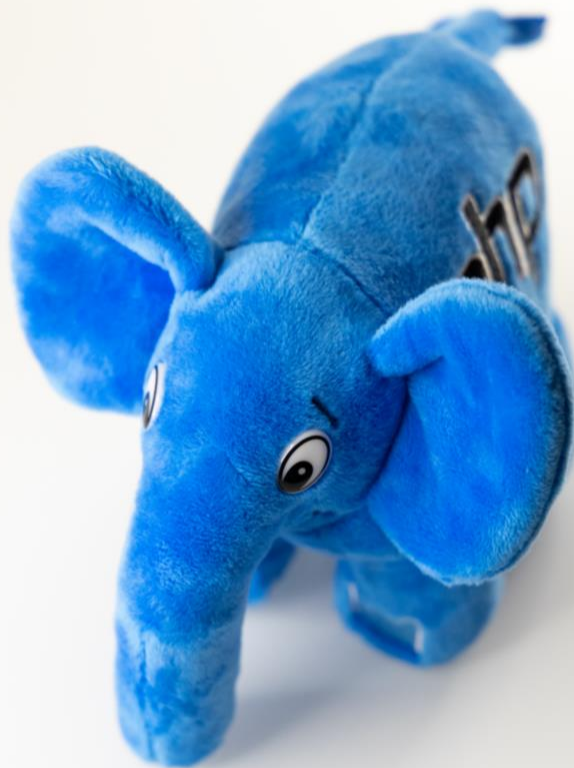


Template Engine

Disclaimer: вы смотрите просто запись лекции,
это HE специально подготовленный видеокурс!



As PHP provides a lot of opportunities to process HTML/CSS/etc., a lot of BAD approaches exist. Still, there are good approaches as well...

BAD! Mixing PHP inside HTML

This approach leads to a lot of security problems (“malicious templates”), problems with code maintainability and so on...

```
<!DOCTYPE html>
<html>
<head>
  <title>News for <?php echo date('Y.m.d')?></title>
</head>
<body>

<h1>Today is <?php echo date('Y.m.d')?></h1>

</body>
</html>
```

BAD! Mixing HTML inside PHP

This approach also leads to a lot of security problems (“malicious templates”), problems with code maintainability and so on... And it looks ugly...

```
<?php

echo "<!DOCTYPE html>\n";
echo "<html>\n";
echo "<head>\n";
echo "    <title>News for " . date('Y.m.d') . "</title>\n";
echo "</head>\n";
echo "<body>\n\n";

echo "<h1>Today is " . date('Y.m.d') . "</h1>\n\n";

echo "</body>\n";
echo "</html>";
```

CATASTROPHY! Jumbling PHP and HTML

For sure, there should be a special place in hell for authors of a code that looks like this:

```
<!DOCTYPE html>
<html>
<head>
  <title>News for <?php echo date('Y.m.d') ?></title>
</head>
<body>

<?php if ((date('N') >= 6) && (date('N') <= 7)) { ?>
  <h1>Today is a weekend, no news!</h1>
<?php } else { ?>
  <h1>Today is <?php echo date('Y.m.d') ?></h1>
<?php } ?>

</body>
</html>
```

Nano-templatler ☺ sample

OK, so... what? How to do things right? This is the simplest sample ever, still it follows all basic rules: we use a template and a template engine (“templatler”):

```
<!DOCTYPE html>
<html>
<head>
  <title>News for {YEAR}.{MONTH}.{DAY}</title>
</head>
<body>

<h1>Today is {YEAR}.{MONTH}.{DAY}</h1>

</body>
</html>
```

Template. It should NEVER contain a single PHP expression. Never. NEVER! No exceptions!

Template engine. It should NEVER contain a single HTML/CSS/JS expression. No exceptions!

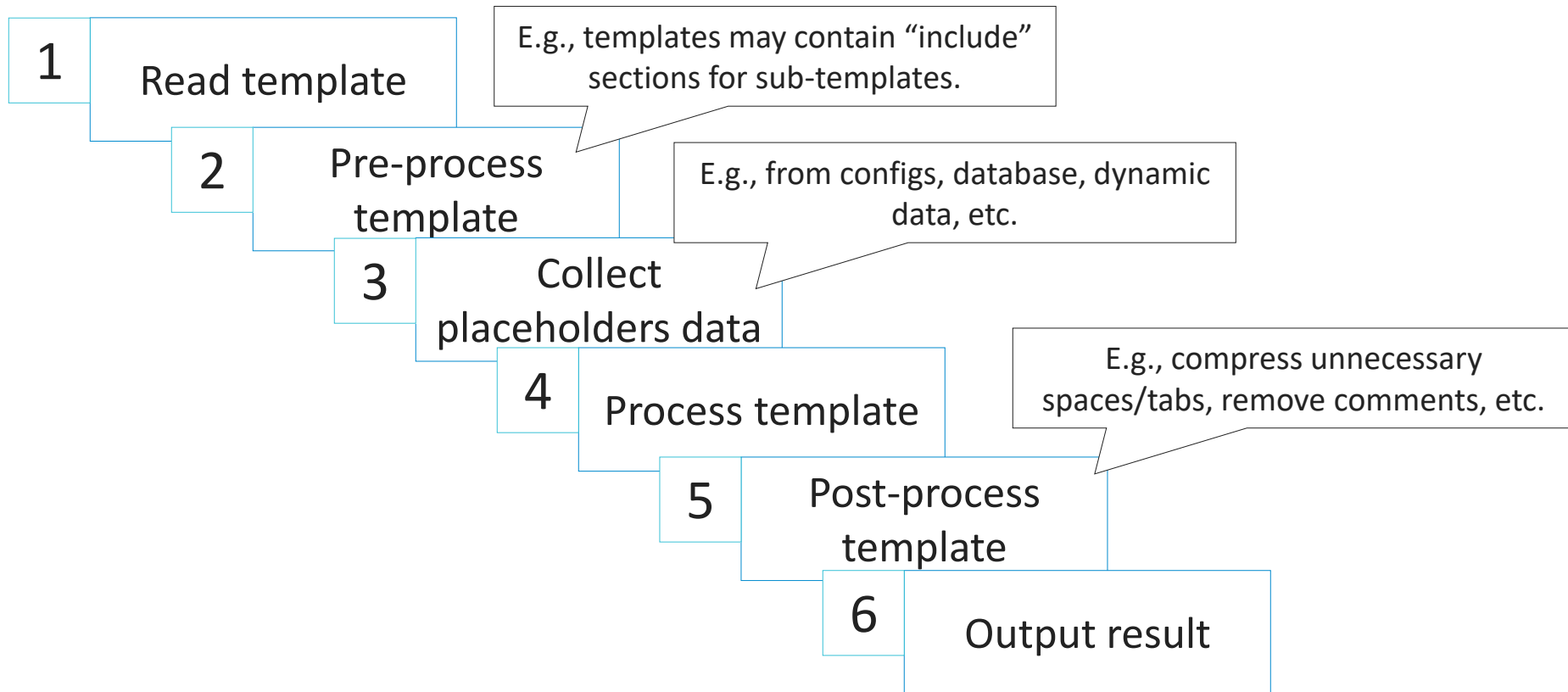
There is an “unwritten rule”: a good PHP web application contains only one **echo** call.

```
<?php
// Template reading
$templateData = file_get_contents('04_nano_templatler.tpl');

// Placeholders replacement
$templateData = str_replace('{YEAR}', date('Y'), $templateData);
$templateData = str_replace('{MONTH}', date('m'), $templateData);
$templateData = str_replace('{DAY}', date('d'), $templateData);

// Results output
echo $templateData;
```

General algorithm



Template engine sample

This sample contains several rather big files, so, please see the handouts (“05_template_engine_sample” folder).

Template Engine

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это HE специально подготовленный видеокурс!

