PHP Course Lecture 4

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@ABGEO
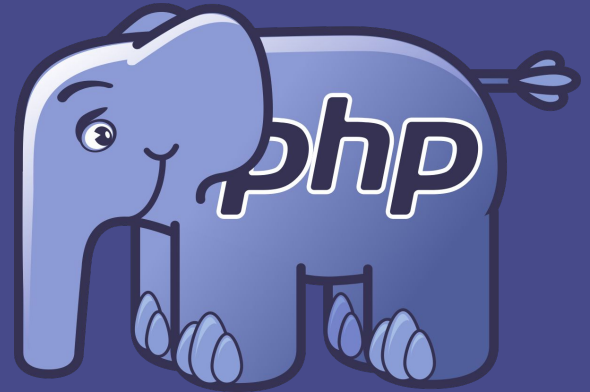
Run PHP in Web environment

Request for welcome.php

Send the request to PHP engine and send its output as the response

PHP Engine

Server

Response for welcome.php

Client
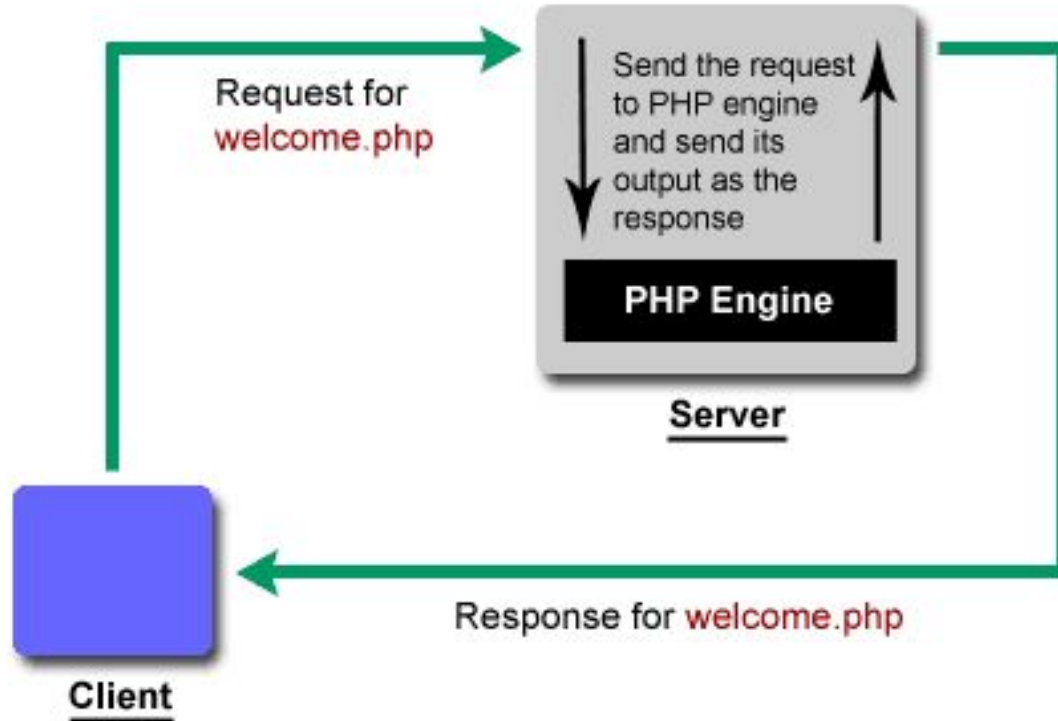
Request & Response
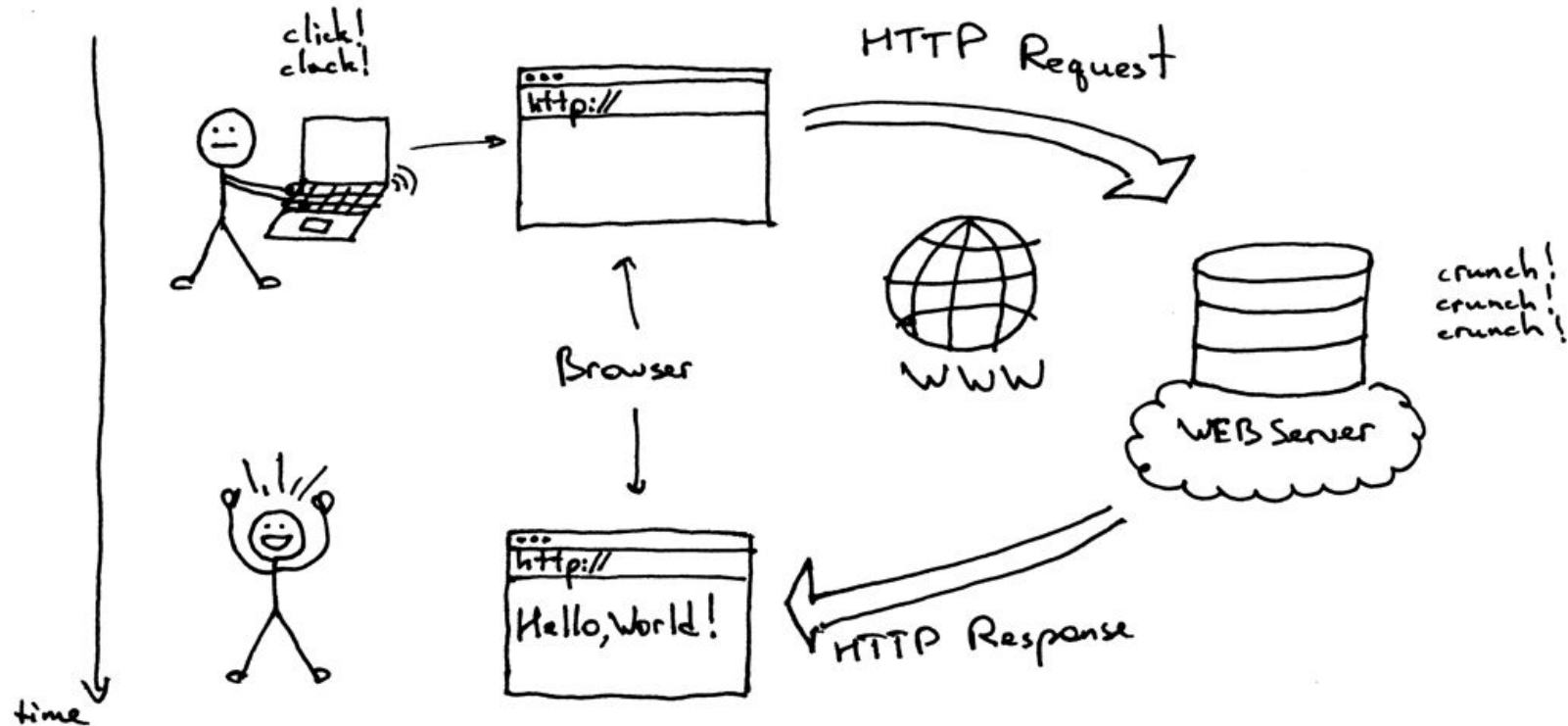
Basic HTTP methods

Method	Description
GET	Retrieve representation of a resource
POST	Create a new resource
PUT	Overwrite an existing resource or create new if it doesn't exists
PATCH	Partially update a resource
DELETE	Delete a new resource

https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods

HTTP response status codes

Range	Description	Example
100–199	Informational responses	102 Processing - This code indicates that the server has received and is processing the request, but no response is available yet.
200–299	Successful responses	200 OK - The request has succeeded
300–399	Redirects	301 Moved Permanently - The URL of the requested resource has been changed permanently.
400–499	Client errors	404 Not Found - The server can not find the requested resource
500–599	Server errors	500 Internal Server Error - The server has encountered a situation it doesn't know how to handle.

https://developer.mozilla.org/en-US/docs/Web/HTTP/Status

GET Super Global

```php
<?php
    // URL: http://127.0.0.1:8000/?name=John&surname=Doe

    $name = $_GET['name'];
    $surname = $_GET['surname'];

    echo "{$name} {$surname}"; // John Doe
```

POST Super Global

```php
<?php
    // Curl: curl -d "name=John&surname=Doe" -X POST http://127.0.0.1:8000/1_2_post_super_global.php

    $name = $_POST['name'];
    $surname = $_POST['surname'];

    echo "{$name} {$surname}"; // John Doe
```

Other Request/Server Super Globals

- $_REQUEST
- $_SERVER

Session

```php
<?php
    session_start();

    if (!isset($_SESSION['counter'])) {
        $_SESSION['counter'] = 0;
    }

    $_SESSION['counter']++;

    echo "Counter value is: {$_SESSION['counter']}";
```

Cookies

```php
<?php
    setcookie('hello', 'Hello World');

    echo $_COOKIE["hello"]; // Hello World
```

Templating

```php
<!doctype html>
<html lang="en">
<head>
    <title>Hello, World</title>
</head>
<body>
<?php
    echo "<h1>Hello, World!</h1>";
    echo "<p>" . date("d/m/Y") . "</p>";
?>
</body>
</html>
```

Form Handling

```php
<?php if (empty($_POST)): ?>
    <form action="?" method="post">
        <label for="name">Enter your name:</label>
        <input type="text" name="name" id="name">
        <input type="submit" value="GO">
    </form>
<?php else: ?>
    <h1>Hello, <?php echo $_POST['name']; ?>!</h1>
<?php endif; ?>
```