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## مهم جداً

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20٪ مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

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# **Introduction to Restful-APIs**

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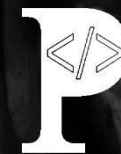
## **Http Response Object**

**Dr. Mohammed Abu-Hadhoud**

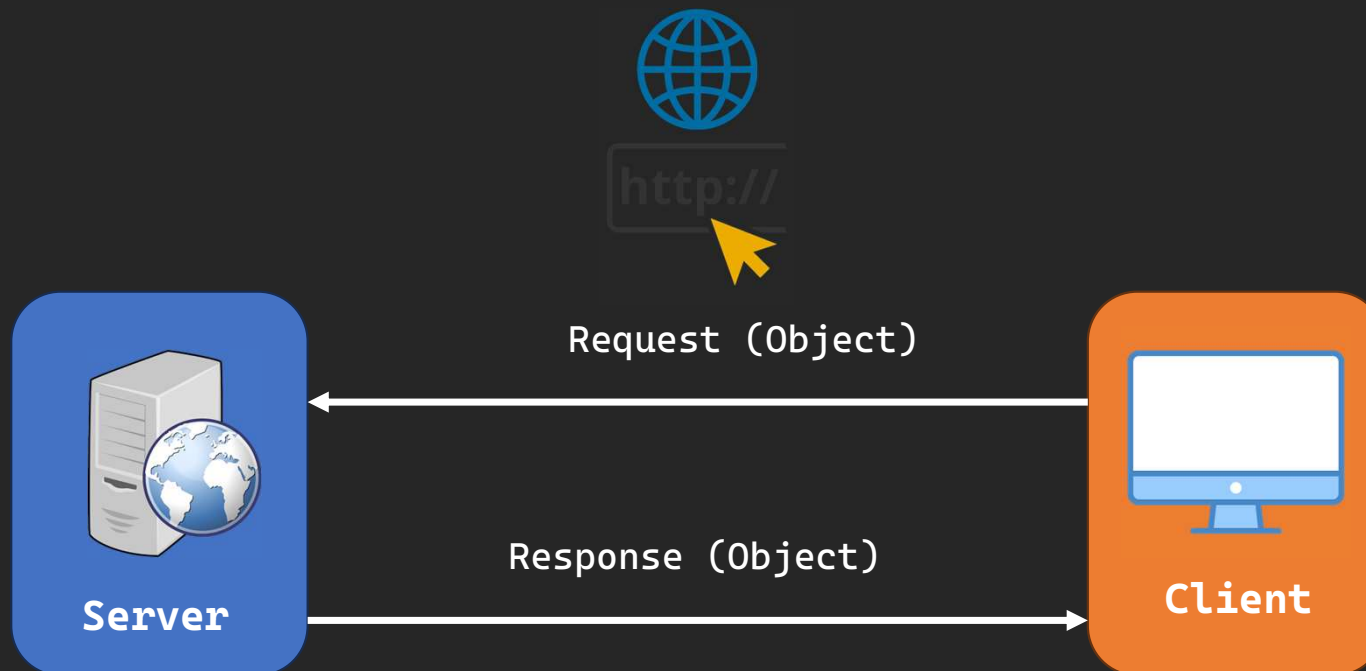
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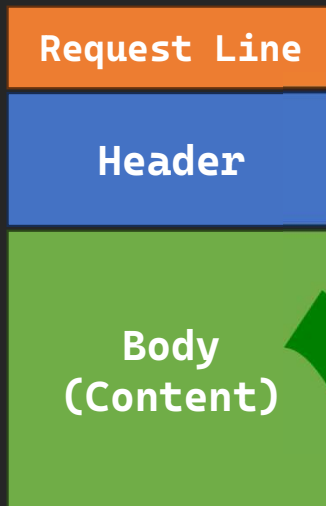
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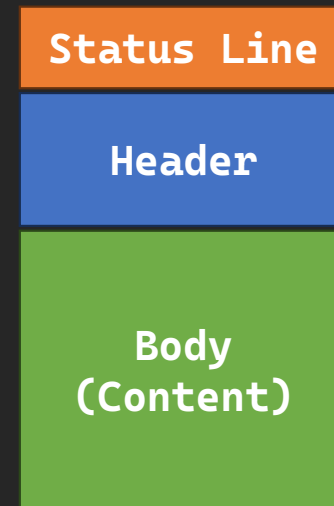


# Request/Response Objects

## Request Object



## Response Object



# Http Response Object:

- The response object in HTTP is what the server sends back to the client after processing an HTTP request. It provides the client with the status of the request, any requested data, and additional information.

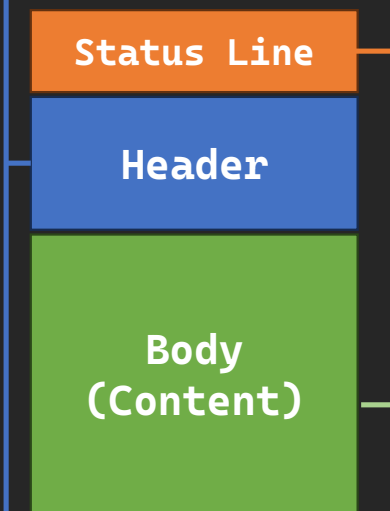
Here's an overview breakdown of the components of an HTTP Response object:

# Http Response Object:

Headers provide metadata about the response. They are key-value pairs and can include various types of information.

- **Server:** Information about the server software handling the request.
- **Content-Type:** Indicates the media type of the response body (e.g., text/html, application/json).
- **Content-Length:** Specifies the length of the response body in bytes.
- **Set-Cookie:** Sets a cookie in the client's browser.
- **Cache-Control:** Provides directives for caching mechanisms.
- **Date:** The date and time at which the message was sent.

## Response Object



- **HTTP Version:** The version of the HTTP protocol used (e.g., HTTP/1.1).
- **Status Code:** A three-digit code indicating the result of the request (e.g., 200 for OK, 404 for Not Found).
- **Reason Phrase:** A textual description of the status code.
- **Example:** HTTP/1.1 200 OK

The body of the response contains the data requested by the client or an error message. This part is optional and depends on the type of request and the status code.

The format of the body can vary (e.g., JSON, XML, HTML).



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Thank You

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