dfilip.xyz/pcom

HTTP

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|  |  |
| --- | --- |
| **Cerere** | **Raspuns** |
| METODA CALE VERSIUNE\r\n  Host: HOST\r\n  Header1: Valoare Header1\r\n  Header2: Valoare Header2\r\n  ...  Cookie: cheie1=valoare1; cheie2=valoare2; ...; cheieN=valoareN\r\n  \r\n (linie goala)  DATE (optional) | VERSIUNE COD\_STATUS TEXT\_STATUS\r\n  Header1: Valoare Header1\r\n  Header2: Valoare Header2\r\n  ...  HeaderN: Valoare HeaderN\r\n  Set-Cookie: cheie1=valoare1\r\n  Set-Cookie: cheie2=valoare2\r\n  ...  Set-Cookie: cheieN=valoareN\r\n  \r\n  DATE (optional) |

|  |  |  |
| --- | --- | --- |
| **Cerere** | | |
| Metode:   * GET * POST * PUT * DELETE * HEAD * CONNECT * OPTIONS * TRACE * PATCH | Headere:   * Host * Cookie * User-Agent * Connection * **Content-Type** * **Content-Length** | Content-Type:   * text/plain * text/html * image/jpeg * audio/wav * video/ogg * multipart/form-data * application/x-www-form-urlencoded * application/json |

**Cerere-răspuns + stateless (fiecare cerere se tratează separat)**

**HTTP 0.9**

* Managementul la distanta al **unor fisiere**
* Metode (**URL**)
  + http://site.ro/pagina.html
  + GET - descarcă o resursă
  + POST - încărcăm o resursă
  + PUT - actualizăm
  + DELETE ștergem
  + NU SUNTEM OBLIGATI SA RESPECTAM CONVENTIA (ex. PUT poate sa crreeze ceva)

**HTTP 1.0**

* **Adauga la 0.9 ce lipsea ca sa fie folosit in WWW**
* **După fiecare cerere, închidea conexiunea**

**HTTP1.1**

**Speedy -> HTTP 2.0**

[**http://example.com/pagina.html**](http://example.com/pagina.html)

**GET /pagina.html HTTP/1.1**

**Host: example.com**

**\r\n**

**HTTP/1.1 200 OK**

**…**

**…**

**….**

**[CONTINUT]**

**2xx - OK**

**3xx - Redirectari (301 Moved Permanently)**

**4xx - erori la client (404 Not Found)**

**5xx - erori la server (500 Internal Server Error)**

1. **Prametrii de cerere (parametrii encodați în adresă)**

[**http://site.ro/consurs-pisici/voteaza?id\_pisicuta=7&concurs=1**](http://site.ro/consurs-pisici/voteaza?id_pisicuta=7&concurs=1)

**GET /concurs-pisici/voteaza?id\_pisicuta=7&concurs=7 HTTP/1.1**

**Host site.ro**

**\r\n**

1. **Parametrii incluși în corpul cererii**
   1. **Parametrii tot url-encoded**

POST /concurs-pisici/voteaza HTTP/1.1

Host site.ro

Content-Length: 23

Content-Type: application/x-www-form-urlencoded

\r\n

id\_pisicuta=7&concurs=7

* 1. JSON (Javascript Object Notation)
     1. Numere, string-uri, booleani, dictionare (hashtables), liste

POST /concurs-pisici/voteaza HTTP/1.1

Host site.ro

Content-Length: 70

Content-Type: application/json

\r\n

{“nume”: “Dorinel”, “varsta”: 27, “favorite\_colors”: [“red”, “green”]}

1. Parametrii in headers adionale

POST /concurs-pisici/voteaza HTTP/1.1

Host site.ro

Content-Length: 70

Content-Type: application/json

Secret-Key: 1234

\r\n

{“nume”: “Dorinel”, “varsta”: 27, “favorite\_colors”: [“red”, “green”]}

**Cerere 1**

> POST /login HTTP/1.1.

Host: site.ro

> ….

> ...

**Raspuns 1**

HTTP/1.1 200 OK

…

**Set-Cookie: id\_sesiune=72323243cdfasddasdas**

**--------------**

**Cerere 2:**

**GET /resursa HTTP/1.1**

**Host: site.ro**

**Cookie: id\_sesiune=72323243cdfasddasdas**

Server

/tmp/sesions/**72323243cdfasddasdas**

**username=Dorinel, rol=utilizator**