

Ejercicio Protocolos de Comunicación

Estructura:

- Clase Main
 - Socket a la Web de la Universidad
 - Seguir protocolo para obtener el index de la web
 - Mandamos mensaje de petición a la web de la universidad:
 - Primera línea:
 - Cabecera:
 - CRLF
 - Entity Body:

Para mayor facilidad la clase se implementará como un Hilo

Obtener cabecera

Para obtener la cabecera usamos firefox en modo para desarrolladores, vamos a la pestaña de red y seleccionamos la URL de la Web en cuestión:

The screenshot shows the Firefox Developer Tools interface. The Network tab is active, displaying a list of requests. The selected request is a document from www.ucam.edu. The Headers panel on the right shows the request headers for this document.

| Estado | Método | Dominio | Archivo | Iniciador | Tipo | Transferido | Tamaño |
|--------|--------|--------------|--|------------|------|-------------|-----------|
| 200 | GET | ucam.edu | / | document | html | 38,06 KB | 196,52 KB |
| 200 | GET | www.ucam.edu | / | document | html | 38,95 KB | 196,52 KB |
| 200 | GET | www.ucam.edu | css_lFu2h2PigECfB2jrdtJSTbN2BjPpeubQpQjwebQ.css | stylesheet | css | 1,21 KB | 2,49 KB |
| 200 | GET | www.ucam.edu | css_EhWVlDjme9211UFGwvapt4GSAI.b3ggo5Kro5FFk.css | stylesheet | css | 1,63 KB | 3,91 KB |
| 200 | GET | www.ucam.edu | css_Zh86CDCFOjpmjpenrnlWlaDvJ_3i02TfDnq49z2GGA.css | stylesheet | css | 10,73 KB | 63,19 KB |
| 200 | GET | www.ucam.edu | css_uk_bqphIHdJUN7v-DiEnY55X8uafdfteRkdmocCEa.css | stylesheet | css | 22,50 KB | 125,18 KB |
| 200 | GET | www.ucam.edu | bandera-es.svg | img | svg | 961 B | 588 B |
| 200 | GET | www.ucam.edu | bandera-en.svg | img | svg | 1,36 KB | 5,15 KB |
| 200 | GET | www.ucam.edu | bandera-zh.svg | img | svg | 1,21 KB | 2,65 KB |
| 200 | GET | www.ucam.edu | bandera-it.svg | img | svg | 1,06 KB | 2,45 KB |
| 200 | GET | www.ucam.edu | lidera-tu-futuro_desktop-it.webp | imageset | webp | 77,27 KB | 76,90 KB |
| 200 | GET | www.ucam.edu | formacion-previa_desktop-it.webp | webp | webp | 78,37 KB | 77,99 KB |
| 200 | GET | www.ucam.edu | visita-guida_desktop-it.webp | imageset | webp | 59,87 KB | 59,49 KB |
| 200 | GET | www.ucam.edu | js_gRMBf8j35yW4QD4bR3hQmX9G45Wgynxk7pg8t4L.js | script | js | 105,85 KB | 355,65 KB |
| 200 | GET | www.ucam.edu | section-busador-estudios.js?2rq93 | script | js | 1,60 KB | 4,32 KB |
| 200 | GET | www.ucam.edu | section-card-carousel.js?2rq93 | script | js | 853 B | 1,29 KB |
| 200 | GET | www.ucam.edu | section-carousel.js?2rq93 | script | js | 1,38 KB | 994 B |
| 200 | GET | www.ucam.edu | section-stories.js?2rq93 | script | js | 2,69 KB | 7,77 KB |
| 200 | GET | www.ucam.edu | js_s0-0vaZau0jPHhQ2DUNGv8T7J-U9Q2C7Gc4hQ.js | script | js | 1,25 KB | 2,12 KB |
| 200 | GET | www.ucam.edu | section-carousel-feature.js?2rq93 | script | js | 1,26 KB | 2,27 KB |
| 200 | GET | www.ucam.edu | section-our-number.js?2rq93 | script | js | 1,45 KB | 1,07 KB |
| 200 | GET | www.ucam.edu | js_7JBDVfEdhQ2EnVZU0hTK0Ypp_E_ofgRiZKw_RTE0M.js | script | js | 719 B | 599 B |
| 200 | GET | www.ucam.edu | di-modal.js?2rq93 | script | js | 1,28 KB | 2,47 KB |
| 200 | GET | www.ucam.edu | js_0C8ZmRZ3h09gT1H3ITfMRIZh26u0nif0jagp9.js | script | js | 1,30 KB | 2,44 KB |
| 200 | GET | www.ucam.edu | ds-off-canvas.js?2rq93 | script | js | 1,47 KB | 3,06 KB |
| 200 | GET | www.ucam.edu | ds-dropdown.js?2rq93 | script | js | 990 B | 1,53 KB |

The Headers panel for the selected document request shows the following headers:

- Cache-control: no-cache
- Content-encoding: gzip
- Content-language: es
- Content-type: text/html; charset=UTF-8
- Date: Thu, 19 Oct 2023 09:19:38 GMT
- Expires: Thu, 01 Jan 1970 00:00:01 GMT
- Server: nginx
- Vary: Accept-Encoding
- X-content-type-options: nosniff
- X-frame-options: SAMEORIGIN
- X-micro-cache: HIT
- X-ua-compatible: IE=edge

Tras eso le damos Sin Procesar y podremos ver el mensaje de petición:

| | |
|-----------|-----------|
| 1,63 KB | 3,91 KB |
| 10,73 KB | 63,19 KB |
| 22,50 KB | 125,18 KB |
| 961 B | 588 B |
| 1,36 KB | 5,15 KB |
| 1,21 KB | 2,65 KB |
| 1,06 KB | 2,45 KB |
| 77,27 KB | 76,90 KB |
| 78,37 KB | 77,99 KB |
| 59,87 KB | 59,49 KB |
| 105,85 KB | 355,65 KB |
| 1,60 KB | 4,32 KB |
| 853 B | 29 KB |
| 1,38 KB | 95,73 |
| 2,68 KB | 7,77 KB |
| 1,25 KB | 2,12 KB |
| 1,26 KB | 2,27 KB |
| 1,45 KB | 1,07 KB |
| 719 B | 599 B |
| 1,28 KB | 2,47 KB |
| 1,30 KB | 2,44 KB |
| 1,47 KB | 3,06 KB |
| 990 B | 1,53 KB |

Versión HTTP/2
Transferido 38,95 KB (tamaño 186,52 KB)
Prioridad de la solicitud Highest
Resolución DNS Sistema

▼ Cabeceras de la respuesta (369 B) Sin procesar

- cache-control: no-cache
- content-encoding: gzip
- content-language: es
- content-type: text/html; charset=UTF-8
- date: Thu, 19 Oct 2023 09:19:38 GMT**
- expires: Thu, 01 Jan 1970 00:00:01 GMT
- server: nginx
- vary: Accept-Encoding
- x-content-type-options: nosniff
- X-Firefox-Spdy: h2
- x-frame-options: SAMEORIGIN
- x-micro-cache: HIT
- x-ua-compatible: IE=edge

▼ Cabeceras de la petición (465 B) Sin procesar

```
GET / HTTP/2
Host: www.ucam.edu
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gecko/20100101 Firefox/
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*
Accept-Language: es-ES,es;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
Upgrade-Insecure-Requests: 1
Sec-Fetch-Dest: document
Sec-Fetch-Mode: navigate
Sec-Fetch-Site: none
Sec-Fetch-User: ?1
```

From:
<https://www.knoppia.net/> - Knoppia

Permanent link:
https://www.knoppia.net/doku.php?id=dad:ejercicio_protocolos&rev=1697708411

Last update: 2023/10/19 09:40

