

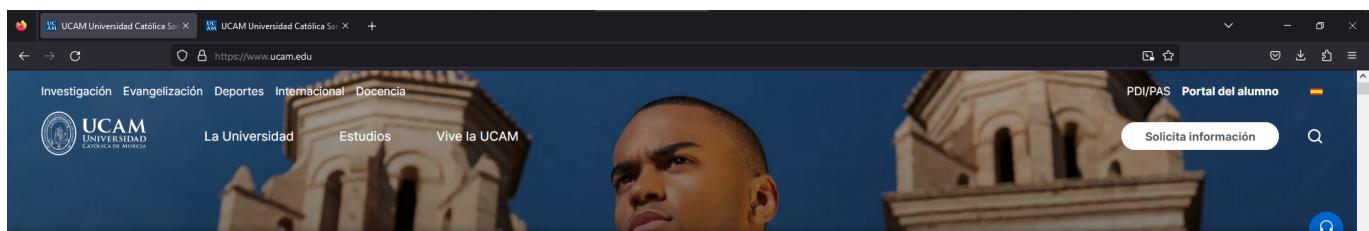
# Ejercicio Protocolos de Comunicación

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:

## 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 UCAM University Católica de Murcia website. At the top, there is a navigation bar with links for 'Investigación', 'Evangelización', 'Deportes', 'Internacional', 'Docencia', 'La Universidad', 'Estudios', 'Vive la UCAM', 'PDI/PAS', 'Portal del alumno', and a search bar. Below the header is a large banner featuring a man's face and a church tower.

Below the banner, the developer tools Network tab is open, showing a list of requests made to the domain [www.ucam.edu](https://www.ucam.edu). The first request is for the index page ('/'). The response details show it's a 'document' type file, transferred in HTML format, with a size of 35.95 KB and a total transfer size of 186.52 KB. The 'Cabeceras' (Headers) section is expanded, showing various HTTP headers including 'Content-Type: text/html; charset=UTF-8', 'Date: Thu, 19 Oct 2023 09:19:36 GMT', and 'Server: nginx'. The 'Cabeceras de la respuesta' (Response Headers) section is also visible.

Estado	Método	Dominio	Archivo	Iniciador	Tipo	Transferido	Tamaño
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	/	document	html	35,95 KB	186,52 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	css_1fus2hpqEJCfbBzJrd15Tbh2jbRjeubQxqjewbQ.css	stylesheet	css	1,21 KB	2,49 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	css_EbrWU0pjng592lITGwaxpHGS45lS1lb3pg50x0sFFK.css	stylesheet	css	1,63 KB	3,91 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	css_Zr68CDCFOjpmjenpsnWjBDIX_3lb2tDrgQ4bZGA.css	stylesheet	css	10,73 KB	63,19 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	css_UK_jspshHdUhlt7v-OIenY551k5uhfrerhkcdmcCEA.css	stylesheet	css	22,50 KB	125,18 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	bandera-es.svg	img	svg	961 B	588 B
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	bandera-en.svg	img	svg	1,36 KB	5,15 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	bandera-zh.svg	img	svg	1,21 KB	2,65 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	bandera-it.svg	img	svg	1,06 KB	2,45 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	ideas-fu-futuro_desktop-at.webp	imageset	webp	77,27 KB	76,90 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	formacion-previa_desktop-at.webp	imageset	webp	78,37 KB	77,99 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	visita-guizada_desktop-at.webp	imageset	webp	59,87 KB	59,49 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	js_gkXBT87SysW4Q2D483RnCm9G45Wpyvkr7pgit4L.js	script	js	105,85 KB	355,65 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	section-buscador-estudios.js?z2rq93	script	js	1,60 KB	4,32 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	section-card-carousel.js?z2rq93	script	js	853 B	1,79 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	section-carousel.js?z2rq93	script	js	1,38 KB	994 B
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	section-stories.js?z2rq93	script	js	2,68 KB	7,77 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	js_sn_GfazAuxnJfPhnqdUNGndt7J-LPbQ2OTGeCshQjs	script	js	1,25 KB	2,12 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	section-carousel-featured.js?z2rq93	script	js	1,26 KB	2,27 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	section-our-numbers.js?z2rq93	script	js	1,45 KB	1,07 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	js_7IBOVVelnyhCewVIZUohntOKjg-g-E_ofgAVZXw_HtEDMI.js	script	js	719 B	599 B
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	ds-modal.js?z2rq93	script	js	1,28 KB	2,47 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	js_6GB2nRZ71ho9g1HgJlTMRZh26u0ontljqapOP_yo.js	script	js	1,30 KB	2,44 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	ds-off-canvas.js?z2rq93	script	js	1,47 KB	3,06 KB
200	GET	<a href="https://www.ucam.edu">www.ucam.edu</a>	ds-dropdown.js?z2rq93	script	js	990 B	1,53 KB

At the bottom of the developer tools, it says '72 solicitudes | 4,43 MB / 3,18 MB transferido | Finalizado: 8,55 s | DOMContentLoaded: 4,32 s | load: 7,15 s'.

Tras eso le damos a 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	2,29 KB
1,38 KB	991 B
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

- ⑦ cache-control: no-cache
- ⑦ content-encoding: gzip
- ⑦ content-language: es
- ⑦ content-type: text/html; charset=UTF-8
- ⑦ date: Thu, 19 Oct 2023 09:19:38 GMT
- ⑦ expires: Thu, 01 Jan 1970 00:00:01 GMT
- ⑦ server: nginx
- ⑦ vary: Accept-Encoding
- ⑦ x-content-type-options: nosniff
- X-Firefox-Spdy: h2
- ⑦ 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/109.0
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://knoppia.net/ - Knoppia](https://knoppia.net/)

Permanent link:

[https://knoppia.net/doku.php?id=dad:ejercicio\\_protocolos&rev=1697707489](https://knoppia.net/doku.php?id=dad:ejercicio_protocolos&rev=1697707489)

Last update: 2023/10/19 09:24