

## Task 1

1. Went to website, blank page with minor clickable buttons / login forms
2. Opened all Websites
3. Clicked view details on the camera product in the camera website
4. The Camera which I've recently clicked view detail is there
5. The item persist even after closing the browser and reopening it

## Task 2

1. Opened the Camera Store
2. Performed Action and Here's the image

Sta...	Method	File	Domain	Cause	Type	Transferred	Size	0 ms	160 ms	320 ms	480 ms
200	POST	productDetail.php	www.wtcamerastore.com	document	html	6.61 KB	6.35 KB	→ 2 ms			
404	GET	logo.png	www.wtcamerastore.com	img	html	459 B	213 B	→ 1 ms			
200	GET	style.css	www.wtcamerastore.com	stylesheet	css	cached	26.33 KB				
200	GET	jquery-1.3.2.min.js	www.wtcamerastore.com	script	js	cached	55.91 KB				
200	GET	jqzoom.pack.1.0.1.js	www.wtcamerastore.com	script	js	cached	8.74 KB				
200	GET	jqzoom.css	www.wtcamerastore.com	stylesheet	css	cached	1.05 KB				
200	GET	track.php?guid=5890502497057826	www.wtlabserver.com	img	html	260 B	1 B	→ 11 ms			
200	GET	css?family=Londrina+Solid Coda+Ca...	fonts.googleapis.com	stylesheet	css	cached	7.05 KB				
404	GET	logo.png	www.wtcamerastore.com	img	html	459 B	213 B				→ 0 ms
404	GET	zoomloader.gif	www.wtcamerastore.com	img	html	465 B	219 B				→ 0 ms
200	GET	track.php?guid=5890502497057826	www.wtlabserver.com	img	html	259 B	1 B				→ 6 ms

11 requests 106.07 KB / 8.47 KB transferred Finish: 419 ms DOMContentLoaded: 237 ms load: 485 ms

## 3. This is the request that have changes toward a cookie

Sta...	Method	File	Do	Cause	Type	Transferred	Size	0 ms	160 ms	320 ms	480 ms
200	POST	produ...	w...	document	html	6.61 KB	6.35 KB	→ 2 ms			
404	GET	logo...	w...	img	html	459 B	213 B	→ 1 ms			
200	GET	style...	w...	stylesheet	css	cached	26.33 KB				
200	GET	jqquer...	w...	script	js	cached	55.91 KB				
200	GET	jqzoo...	w...	script	js	cached	8.74 KB				
200	GET	jqzoo...	w...	stylesheet	css	cached	1.05 KB				
200	GET	track...	w...	img	html	260 B	1 B	→ 11 ms			
200	GET	css?tf...	fo...	stylesheet	css	cached	7.05 KB				
404	GET	logo...	w...	img	html	459 B	213 B				
404	GET	zoom...	w...	img	html	465 B	219 B				
200	GET	track...	w...	img	html	259 B	1 B				

11 requests 106.07 KB / 8.47 KB transferred Finish: 419 ms DOMContentLoaded: 237 ms load:

Request cookies: sessionID: 648f..., track: 3115168688310958

Cookies: sessionID: 648f..., track: 3115168688310958

## 4. This is the line of code that is responsible of sending the info with the tracking cookie, it is attached as the src of an image

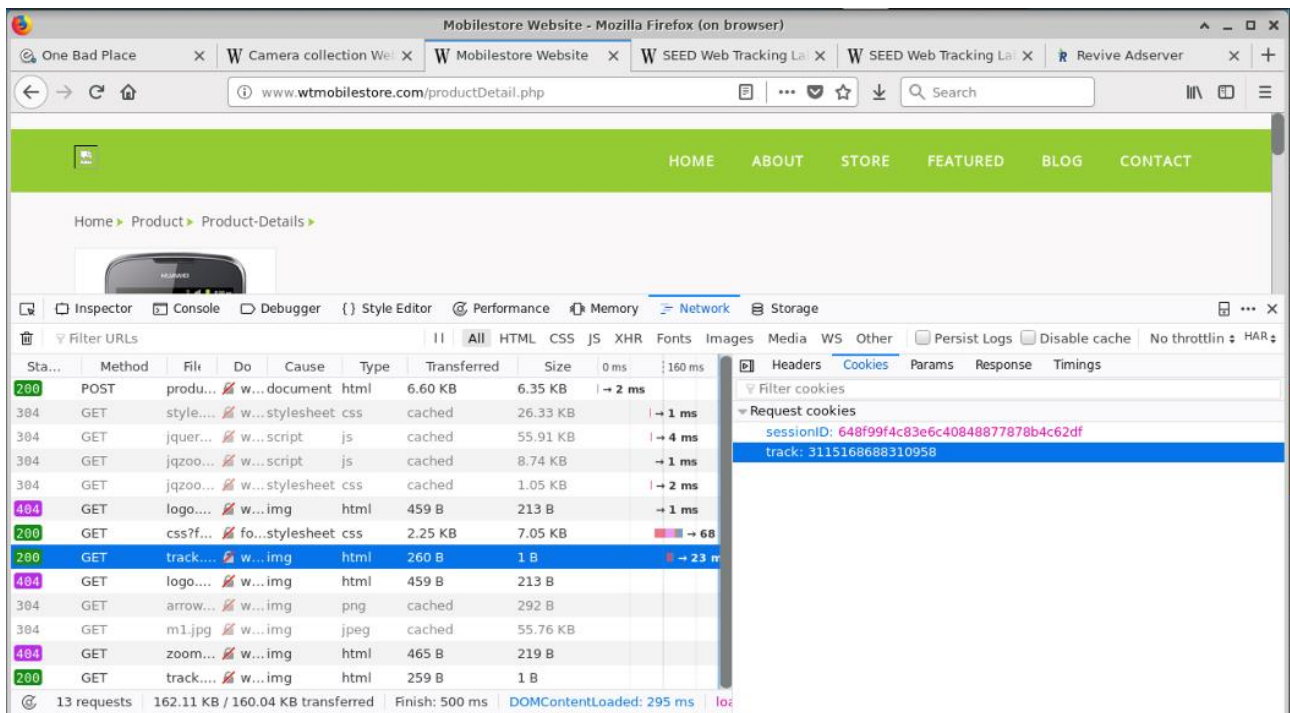
```
<div class="clear">
  
</div>
```

1. Opened Mobile Store and clicked on the first phone
2. Opened the Ad server web page
3. I noticed that these values are not stored in the E Commerce websites but rather the Ad server which contains the cookies that I've saw earlier (which is from the request of the image src when it loads)

The 3<sup>rd</sup> party cookie used for tracking in the storage Inspector is "track" name. It contains a value that is being sent over by the images that contains the src which send a request to this website. It is call a 3<sup>rd</sup> party cookie since it is not loaded on top of the embedding site but through the image which contains a URL toward the Ads server which is a "3<sup>rd</sup>" party tracking what page we visited. We can see that the value of the cookie is being stored to the ads server and not the camera page it is on.

Server:

E Commerce website:



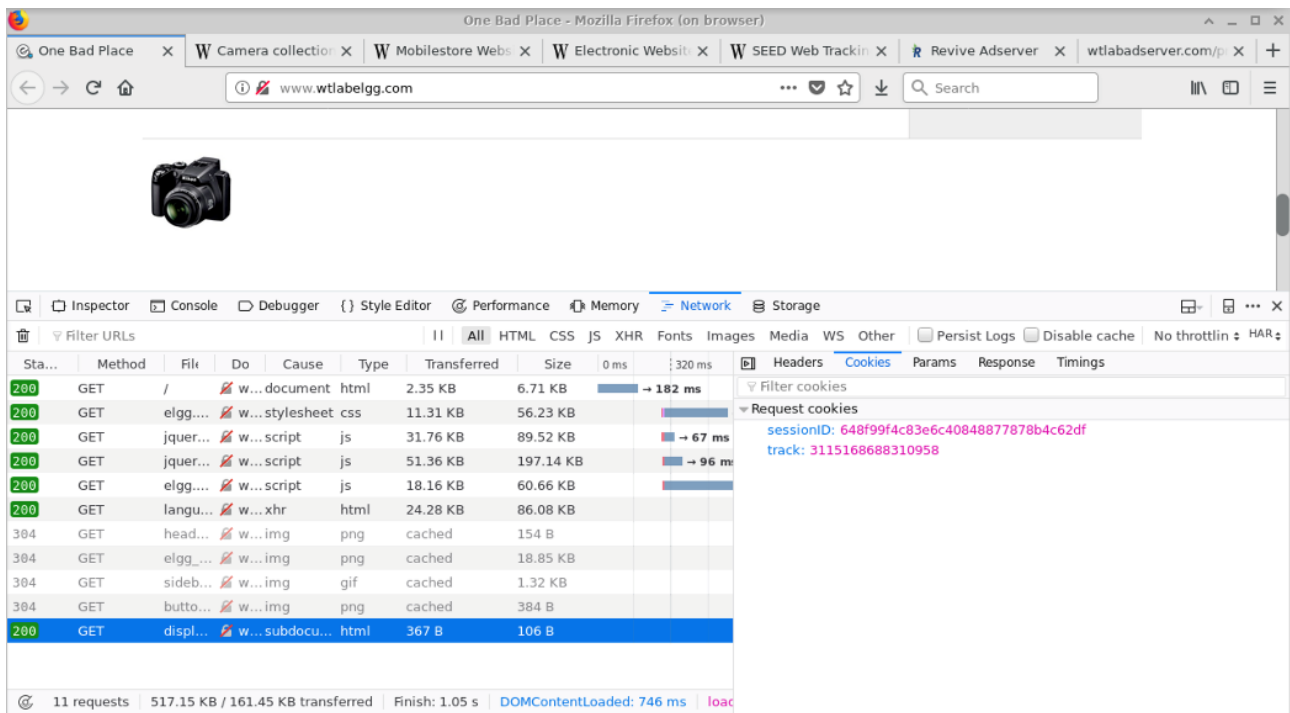
### Task 3:

1. Opened all 3
2. Clicked on something else on the TV Store
3. The Product Guid probably the identification of that product, Product is the product name, Category is what type of product is that, Impression count is how many time we visited those product website and the UserTrackID is the same cookie value we've seen from previous request which is identifying the current user (me) and which product I've clicked on.

Product Guid	Product	Category	Impression Count	UserTrackID
5890502497057826	Nikon 1011	Camera	2	3115168688310958
5173435362122807	LG	Electronic LCD	1	3115168688310958
8326918373014243	HUAWEI	Mobiles	2	3115168688310958

### Task 4:

1. Opened
2. There's a request toward the ads server and we see the camera being displayed there. The Elgg website send a GET request toward the ads server which since the Ads server contains the cookie / UserTrackID of the current user. The ads server selected the most impressed items out of those selections for this current user and display it here on this website as an image.



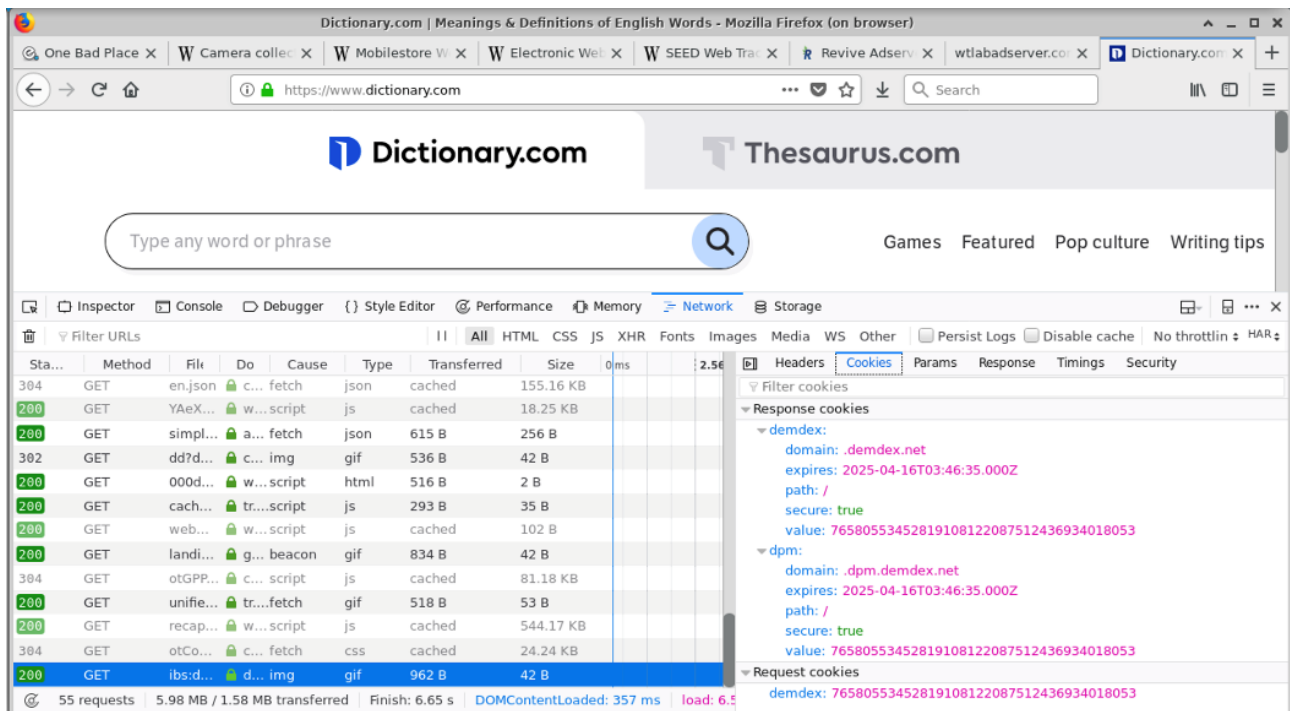
#### Task 5:

1. Opened
2. Elgg website ads section contains nothing
3. Opened
4. Clicked on the view detail for one of the shoe on the shoe website
5. The Shoe now shows up in the Elgg website ads section
6. The Ads disappeared

The reason why the ads did not stay is that the cookie did not survive once the user close down the browser since in a private session, your cookie / session will be destroyed and not retain until its normal expiration time. In which the information of the tracker is refresh when you opened a new private window with a different cookie value.

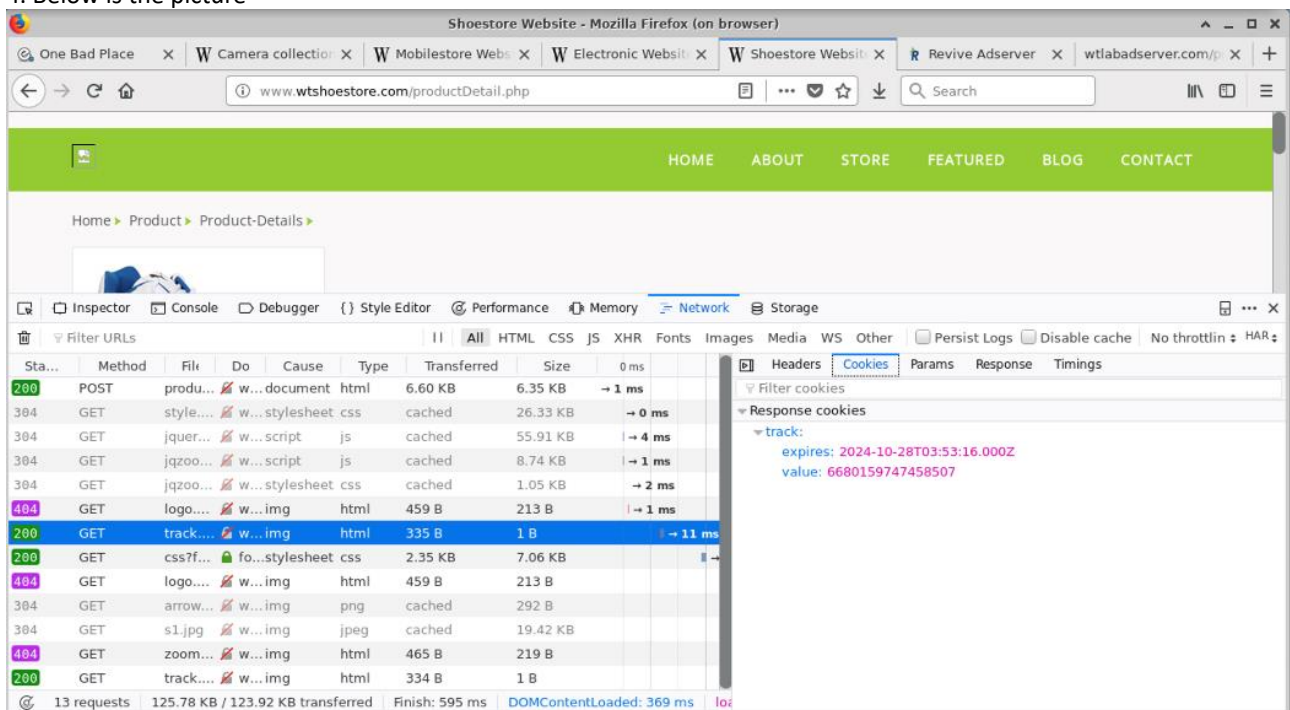
#### Task 6:

1. dictionary.reference.com, we can see that it sends a request toward demdex.net which upon looking up is an ads service ran by Adobe apparently.



Task 7:

1. Disabled
2. Opened
3. Clicked
4. Below is the picture



5. We can see that the 3<sup>rd</sup> party cookie is not present in the request and the content length is 0. Meaning the 3<sup>rd</sup> party cookie is blocked. Nothing is able to be transmitted. Hence nothing is rendered on the ads section.

One Bad Place - Mozilla Firefox (on browser)

One Bad Place x W Camera collectio x W Mobilestore Web x W Electronic Websit x W Shoestore Websit x Revive Adserver x wtlabadserv.com/ x

www.wtlabellgg.com

Search

Log in Remember me  
Register | Lost password

Inspector Console Debugger Style Editor Performance Memory Network Storage

Filter URLs

Method

File

Do

Cause

Type

Transferred

Size

0 ms

320 ms

200	GET	/	w...document	html	2.39 KB	6.71 KB	→ 169 ms
200	GET	elgg...	w...stylesheet	css	11.36 KB	56.23 KB	
200	GET	jquer...	w...script	js	31.76 KB	89.52 KB	→ 69 ms
200	GET	jquer...	w...script	js	51.36 KB	197.14 KB	→ 93 ms
200	GET	elgg...	w...script	js	18.21 KB	60.66 KB	→ 2
200	GET	langu...	w...xhr	html	24.28 KB	86.08 KB	
304	GET	head...	w...img	png	cached	154 B	
304	GET	elgg...	w...img	png	cached	18.85 KB	
304	GET	sideb...	w...img	gif	cached	1.32 KB	
304	GET	butto...	w...img	png	cached	384 B	
200	GET	displ...	w...subdocu...	html	259 B	0 B	

11 requests 517.05 KB / 161.50 KB transferred Finish: 1.03 s DOMContentLoaded: 736 ms load

No cookies for this request