Step 1: Making sure I understand what I needed to understand

1. What HTTP request will the browser send to the proxy?

When we click on something like we search for something in chrome, we are sending a request to get the html or the domain of the website using the GET request.

For example, we will see something like GET [https://get.com/get.html HTTP/1.1](https://get.com/get.html%20HTTP/1.1)

1. What will the HTTP response look like?

It will look like: HTTP/1.1 200 OK something like this

1. How is the proxy’s response different from the origin servers?

If the headers of the responses are different there must be some problem

Step 2: Understand the socket connections:

1. How will the client know to talk to the proxy?

The clients will send the request to the proxy, like connecting to the same localhost and port number.

1. What host and port number will the proxy be on?

I think localhost will be the best and it better to pick a big number for port like 8080 in case others are using it.

1. The proxy may need to connect to the origin server (if the web object is not in the cache), what host and port number will the proxy connect to?

Then the proxy will become a client and makes the TCP connection to the real web server.

1. Where will the proxy get the web object information?

From the URL or the host header which then sends it to the client.