1. Open Cygwin or command prompt (make sure you have environmental variables set to compile C programs)
2. Change directory to directory of proxy.c
3. Open up Firefox or Chrome and go to proxy settings ( I used Chrome )
4. For browsers, make sure nothing is running in background , eg: facebook chat window or gmail
5. For Chrome, search for ‘proxy’ in settings and then go to LAN settings
6. Put address as : localhost
7. And port as : 12345
8. Compile proxy.c using command: gcc proxy.c
9. Then run by using command: ./a.exe
10. Then open up web page it will show up errors
11. Make sure to refresh using Cntrl + F5

Testing was done at University of Calgary by going to the web pages posted on Carey’s website. The pages were refreshed, and errors were random.   
  
It works, I fixed the part where it was changing 404 request. Now it only changes 200 request.

I didn’t do any bonus parts.