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Journal

For this project Ben Garside took the lead. After he finished the initial proxy server, I spent many hours working on it trying to figure out how to get all the pages to load successfully. I never got the problem figured out and Ben updated the server so that the messages it put out were a little clearer.

I decided to work on the SQL server that was going to store the cache. I initially thought to store the IP as a TEXT and the website data as a BLOB. After researching how to use BLOB's, I tested it out in the createProxyDB. After I had just got to where it was working, I was looking at one last thing and came across a website that listed how much each data type could hold. It said that TEXT could hold up to a billion when I thought it was limited to 255. So I started over and modeled the database after the previous assignment and used TEXT fields for the IP and the data from the website.

Once I had things worked out on createProxyDB, I started transferring it over to the main program. All went fairly smoothly. When the IP is isolated, the server checks the DB for a matching IP and if found it pulls the values from the DB. If it's not found, the program continues and after the website data is retrieved, the IP and data are stored in the database.

Lastly, I copied Juan's code for his insult filter, created a text file with some IP addresses and quickly designed a blacklist feature. It reads in IP's from the text file; then before I check the DB for the IP address in the cache, I check the text file for a matching blacklisted IP. I wasn't sure what to do in terms of a return html to the browser, so Ben stepped in to try to figure it out.