

1. Team details: Clearly state the names and netids of your team members (there are 2 of you).

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2. Collaboration: Who did you collaborate with on this project? What resources and references did you consult? Please also specify on what aspect of the project you collaborated or consulted.

The only people we collaborated with on the project were each other. Aside from that, we also used some of the answers to questions on Piazza and asked the TA's for help concerning some of the project instructions.

3. Is there any portion of your code that does not work as required in the description above? Please explain.

As far as we can tell, the only issue we have is whether the page should display the secret info based on the stored cookie or the current username. Due to the format in the description, we went under the assumption we were supposed to use the login as the cookie if it was valid, not the login of the actual login.

4. Did you encounter any difficulties? If so, explain.

It took us a while to understand how and when to actually set the cookie and how it would function. The curl command was giving us trouble at first as well, it wouldn't give us the correct inputs a lot of the time. Finally, the final issue was parsing the instructions and figuring out when a cookie was valid and giving us the right thing from it. We couldn't figure out how invalid cookies worked (partially due to curl also giving us trouble, so we had difficulty understanding that as well).

5. Describe two observations or facts you learned about HTTP and cookies in the process of working on this project. Please be specific and technical in your response.

The first thing we learned was how to analyze HTTP requests and responses from our programs. We learned that we could use the curl command to achieve the same effect as using the browser as well. The second thing we learned was a much more practical understanding of how cookies work: they're stored upon the completion of a certain action (in this case, successful login) and can be used to reference and recall certain states (in this case, the success page) until they expire or a new one is set.