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| CS 305 Software Security |
| 5-2 Coding Assignment: Certificate Generation |
| Emily Wood |

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| emily.wood7@gmail.com  4-2-2023 |

**Specifically, discuss the following questions about the role and services provided by CAs:**

**Why would you want to use a CA for security?**

To verify the authenticity and trustworthiness of a website, domain, and organization so users know exactly who they are communicating with online and whether that entity can be trusted with their data (Awati & Loshin, 2021).

**What are the advantages of using a CA?**

When a CA issues a digital certificate for a website, users know that the website can be trusted. It is not a faked or copy of the website they are trying to reach and possibly have their information stolen.

**A screenshot of the certificate information form filled out with all fields completed.**

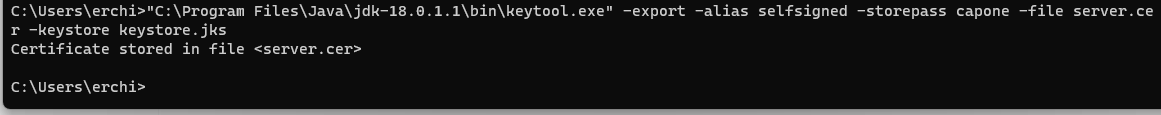
Text

Description automatically generated

**A screenshot of the printout of the server.cer file to demonstrate that the certificate has been effectively generated.**

Text

Description automatically generated



**References:**

Awati, R., & Loshin, P. (2021, September 1). *What is a Certificate Authority (CA)?* Security. Retrieved April 2, 2023, from https://www.techtarget.com/searchsecurity/definition/certificate-authority