

# CSC 495/583 Fall 2017 Reading Question 3

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Due on: 12/16/2017

## Blockchain and Software Security

First, if you are not familiar with Blockchain, please read the following papers:

- [Bitcoin: A Peer-to-Peer Electronic Cash System](#)
- [SoK: Research Perspectives and Challenges for Bitcoin and Cryptocurrencies](#)
- [Other papers](#)

The blockchain can be considered as a tamper-proof distributed database. Now, use your creativity/imagination, design a system (e.g. a IoT system, like IP camera system or a email server or a social app...) which utilize blockchain technology and show me how it can guarantees data integrity.

## Submission

- Please upload your response **in PDF format** to D2L Assignment before 12/16/2017 11:59:59 AM. Late submission will not be accepted;
- The assignment should be submitted to D2L directly.