# ISEC 400 Homework 9

Answer the following questions based on your reading of the text book, any supplemental material, and the instructor’s presentation this week. If you use an external source (i.e. a web-page, the required textbook, or an additional book) to help you answer the questions then be sure to cite that source. Hint: you should probably always be citing a source.

## Questions

1. [5 points] Explain, in your own words, the vulnerabilities that lead to successful XSS attacks and what methods can be applied to prevent them.
2. [5 points] Explain, in your own words, the vulnerabilities that lead to successful CSRF attacks and what methods can be applied to prevent them.
3. [5 points] The claim was made that a nonce can be used to prevent the “double submission” problem in web applications. What is a nonce? What is the double submission problem and how can a server can detect and prevent a it with a nonce?
4. [5 points] What are the advantages and disadvantages to using an alternative markup syntax for text formatting in web applications (e.g. wiki syntax, Markdown, Textile, or reStructuredText)

## Submission instructions

Create a Word document with your solution to the short answer questions. Submit the Word document to the dropbox for the course.