# ISEC 400 Homework 6

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. [3 points] What are the main purposes of authorization? How is authorization related to authentication (if at all)?
2. [3 points] Are read, write, and execute permissions sufficient for controlling access to web applications? Why or why not? How do these compare to CRUD-style permissions?
3. [5 points] How do the horizontal and vertical authorization layers promote a defense-in-depth strategy? Describe the steps through the vertical and horizontal layers for a single web request.
4. [4 points] Describe how the 3x3 custom authorization mechanism works. How does custom authorization compare against using a third-party plug-in library for authorization?
5. [5 points] Of the session management best practices, which are the top three in importance? Describe each best practice with some detail.

## Submission instructions

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