# ISEC 400 Homework 8

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 the problems associated with using hidden form fields for keeping session state.
2. [5 points] One proposed solution was that we could use a session ID embedded in a hidden form field. What are the issues with that solution?
3. [5 points] Another proposed solution is to use a HMAC to authenticate the data kept in hidden form fields. Explain how HMACs work and how and why they are considered secure.
4. [5 points] The final proposed solution is to use cookies to keep a session ID (and state on the server). How does this solution compare against the previous session state solutions? Are there any disadvantages? Advantages?

## Submission instructions

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