Module – 09 Solution

**Secure SDLC**

# developing a Secure SDLC

**Lab Description:** Demonstrate understanding of Secure SDLCs

**Lab Environment:** No specific environment required

**Lab Files that are Needed:** None

### **Lab Exercise 1:**

A company has hired you to work with their development team. You realize that the developers know very little about security, but they are open to changing their development model. As a security professional, you want to propose a solution.

Complete the following:

* Research and write a proposal explaining why your chosen solution should be used. This can be a modified version of an existing SDLC or one that was designed as a Secure SDLC, or a combination. Include as much detail as possible, the goal is to convince the entire development team. This does not need to be formatted in any specific way but should be written in a professional manner.
* What other things would you recommend the development team do? This can be a short answer at the end of the proposal document.
* The proposal should have an overview of the methodology, then have sections explaining each stage and how the application being developed would benefit from it.

## What to submit

Submissions should be neatly organized and should show complete understanding of any topics written about. Citations should be included if pulling information from other sources, they can be in any format as long as the original source can be found.

### **Lab Exercise 1 Solution:**

This assignment is open and could have many different solutions. As an example, a student could choose the Microsoft Secure SDL. The proposal would have an introduction/overview of the methodology and have sections for each of the 7 stages. Each of the sections should have an explanation of the benefits the stage would have on the application.

The student should demonstrate that they fully comprehend each stage and how it would affect application security. All writing should be professional, and the document should be formatted in a well-structured fashion. This assignment is designed to allow students to explore different Secure SDLCs or create their own, cited sources should only be used to supplement their own original content.