

# Developer Training Module Quick Reference Guide

This Quick Reference Guide was assembled to give you a snapshot of the depth and breadth of training programs available in the SANS Security Awareness Developer Training Program. For a full description of our entire offering including a language support, and supplemental engagement materials including Fact Sheets, Micro-videos, and more contact [ssainfo@sans.org](mailto:ssainfo@sans.org).

## OWASP

### Web Application Security – OWASP Top-10

Module	OWASP Top-10 2021 Time (min:sec)	
	Fundamentals	In-Depth
Introduction	2:38	3:31
Broken Access Control	5:15	4:52
Cryptographic Failures	4:15	7:21
Injection	4:33	5:42
Insecure Design	4:32	5:47
Security Misconfiguration	4:13	6:24
Vulnerable and Outdated Components	4:27	6:31
Identification and Authentication Failures	4:32	6:14
Software and Data Integrity Failures	4:33	4:43
Security Logging and Monitoring Failures	4:32	4:49
Server-Side Request Forgery (SSRF)	4:32	5:15
Conclusion	1:35	1:08
<b>Total Time</b>	<b>49:21</b>	<b>1:02:16</b>

### Mobile Application Security

Module	Time (Min:Sec)
Insecure Data Storage	6:55
Unintended data Leakage	6:12
Broken Cryptography	7:58
Client-Side Injection	7:52
Reverse Engineering	8:57
<b>Total Time</b>	<b>37:54</b>

## Applied Interactive Modules

### Web Application Security

*Each coding language is available in three progressively challenging levels*

Coding Language	Time (Min:Sec)
Node.js	7:00
C#	7:00
Java	7:00
Python	7:00
PHP	7:00
<b>Total Time (per language)</b>	<b>21:00</b>

*\*Interactive modules are self-paced. As such, the timings listed above are estimated*

# Secure Coding Principles

## Top Design Flaws

Module	Time (Min:Sec)
Introduction	1:33
Defense in Depth	5:05
Separation of Concerns	4:43
Single Responsibility	3:59
Least Knowledge	4:26
Don't Repeat Yourself	4:24
<b>Total Time</b>	<b>24:10</b>

## Modern Approaches

Module	Time (Min:Sec)
Securely Using Full Stacks	6:32
Securely Using APIs	5:01
Secure Cloud Developer	6:00
<b>Total Time</b>	<b>17:33</b>

## Threat Awareness

Module	Time (Min:Sec)
Business Case	6:15
Understanding the Attacker	5:02
The Attack Process	5:16
Trust Nothing	4:50
Threat Modeling	7:57
<b>Total Time</b>	<b>29:20</b>

## Classic Issues

Module	Time (Min:Sec)
Memory Inspection	4:48
Buffer Overflow	6:49
Improper Error Handling	5:43
Cross-Site Request Forgery (CSRF)	8:42
Unvalidated Redirects and Forwards	7:46
<b>Total Time</b>	<b>32:28</b>

## Software Development Lifecycle (SDLC)

Module	Time (Min:Sec)
Introduction	3:33
Waterfall Model	8:56
Agile	10:02
DevOps	9:26
Conclusion	1:42
<b>Total Time</b>	<b>33:39</b>

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[www.sans.org/security-awareness-training/contact/](http://www.sans.org/security-awareness-training/contact/)

