

OVERVIEW

The CASE credential tests the critical security skills and knowledge required throughout a typical software development life cycle (SDLC), focusing on the importance of the implementation of secure methodologies and practices in today's insecure operating environment.

The CASE certified training program is developed concurrently to prepare software professionals with the necessary capabilities that are expected by employers and academia globally. It is designed to be a hands-on, comprehensive application security course that will help software professionals create secure applications.

The training program encompasses security activities involved in all phases of the Software Development Lifecycle (SDLC): planning, creating, testing, and deploying an application.

Unlike other application security trainings, CASE goes beyond just the guidelines on secure coding practices and includes secure requirement gathering, robust application design, and handling security issues in post development phases of application development.

XTREME LABS



CERTIFIED APPLICATION SECURITY ENGINEER (CASE JAVA)

TARGET AUDIENCE

- Java Developers with a minimum of 2 years of experience and individuals who want to become application security engineers/analysts/testers
- Individuals involved in the role of developing, testing, managing, or protecting wide area of applications

COURSE CONTENT

Lesson 1: Understanding Application Security, Threats, and Attacks

Lesson 2: Security Requirements Gathering

Lesson 3: Secure Application Design and Architecture

Lesson 4: Secure Coding Practices for Input Validation

Lesson 5: Secure Coding Practices for Authentication and Authorization

Lesson 6: Secure Coding Practices for Cryptography

Lesson 7: Secure Coding Practices for Session Management

Lesson 8: Secure Coding Practices for Error Handling

Lesson 9: Static and Dynamic Application Security Testing (SAST & DAST)

Lesson 10: Secure Deployment and Maintenance