

# Security Testing of an E-Learning application



## Client Overview

- A SaaS solution provider for e-learning and performance management platform



## Business Requirements

- The platform provides an online training application, record management and business management process solutions
- Identify network intrusion, design flaws, tampering loops, click jacking, test for content security, cookie poisoning and threats. Provide recommendations / remediation for the identified threats.
- Test the application for potential security vulnerabilities



## Our Solutions

- Conducted application vulnerability tests based on OWASP Top 10 Vulnerability List, using tools and Regression
- Analyzed the SUT functions and conducted tool based tests to uncover false positive scenarios
- Manual verification and scenarios
- Reported vulnerabilities on Privilege Escalation
- Provided comprehensive reports / screenshots / video captures of defects; Provided detailed reports of impact due to each vulnerability and the list of remediation methods



## Tools

- Zap, Burp Suite, Vega and Manual Python Scripts to evaluate SQL injection errors

## Engagement

- 1 Test Lead Security Testing  
1 Test Engineer Security Testing  
30 Day Engagement including First Cycle of VAPT Testing, interim for Defect Fixing and Regression Tests



## Business Impact

- Identified potential vulnerabilities and categorised them for High, Medium and Low impact; Provided actionable remediation for each defect identified
- **Test Deliverables**
  - Defect Report
  - Daily / Weekly Reports
  - Execution Report



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