












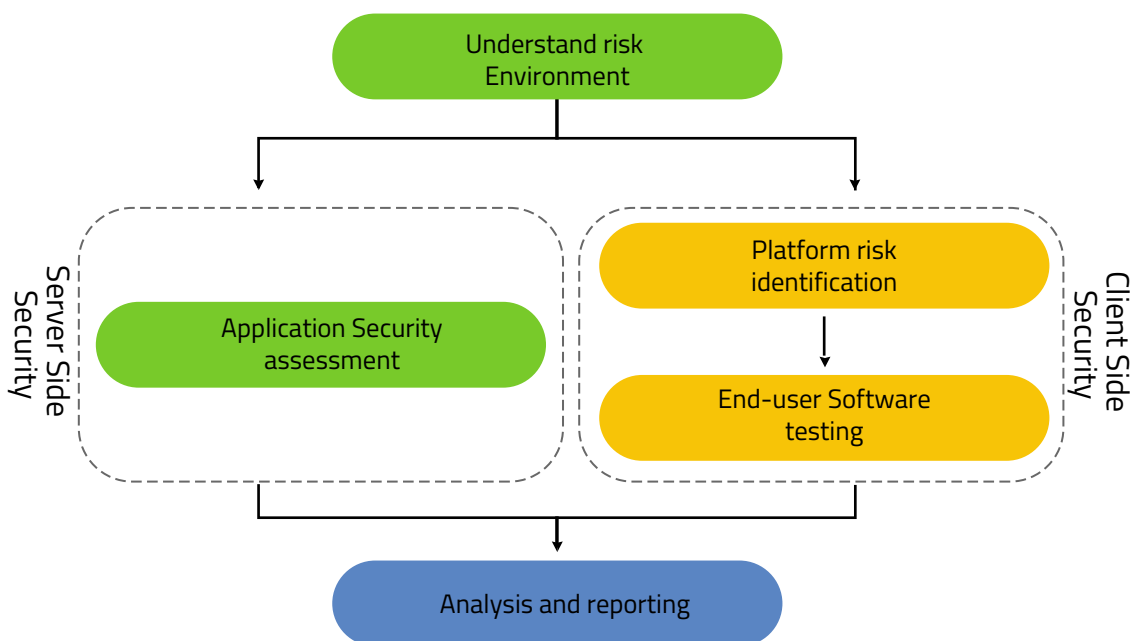


## Vulnerability analysis for an Outcome Based Online Education Provider

 <p><b>BUSINESS REQUIREMENTS</b></p>	 <p>Identify the flaws in the security mechanism of the LMS</p>	 <p>Protect the confidentiality, integrity, authentication, availability, authorization and non-repudiation of the system</p>
 <p><b>OUR SOLUTIONS</b></p>	 <p>Performed initial vulnerability analysis and identified key issues relating to XSS, Cross origin</p>	 <p>Validate the user input on arrival and encode the HTML response to eliminate XSS</p>  <p>Review for sensitive content on domains allowed by CORS policy to eliminate cross origin resource sharing issue</p>
 <p><b>TOOLS/ TECHNOLOGIES</b></p>	 <p>BurpSuite</p>	 <p>SqlMap</p>  <p>Fiddler</p>
 <p><b>BUSINESS IMPACT</b></p>	 <p>All major security flaws were identified and fixed</p>	 <p>Additional security recommendations provided on user authentication without State mechanisms and session IDs to be SSL protected</p>



### About Us

Happiest Minds enables Digital Transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights through an integrated set of disruptive technologies: big data analytics, internet of things, mobility, cloud, security, unified communications, etc. Happiest Minds offers domain centric solutions applying skills, IPs and functional expertise in IT Services, Product Engineering, Infrastructure Management and Security. These services have applicability across industry sectors such as retail, consumer packaged goods, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India, Happiest Minds has operations in the US, UK, Singapore, Australia and has secured \$ 52.5 million Series-A funding. Its investors are JPMorgan Private Equity Group, Intel Capital and Ashok Soota.