Countering mobile application threats with a structured threat modelling approach

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The development of secure mobile applications is a crucial and complex task. This research focuses on threat modelling techniques to enhance mobile application security. A technique is proposed to analyse mobile application vulnerabilities, categorised by mobile application architectural layers, and classify vulnerabilities using STRIDE and DREAD. By identifying and scrutinising vulnerabilities, the research proposes a practical and comprehensive four-step threat modelling approach to mitigating mobile ap-plication security risks and ensuring the robustness of mobile applications. The approach contributes to clarifying the steps to be taken to secure mobile applications.

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