

Abstract

Test Case to Identify/ Mitigate Cyber Security Vulnerabilities

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The average user is more familiar with the internet than ever before. Most people that are carrying a mobile device would never dream of going a day without it. How could someone go without it? People connect in ways that were not used in the past, but there are problems with this reality. The average user knows very little about the data that they are leaking by just leaving on their Wi-Fi. They browse the internet when in their favorite coffee shop, or a bar. The average person would not recognize if someone is monitoring their data over an unsecured wireless network. In 2017, 15.4 million people have been victims of identity fraud (Javelin Strategy & Research). This number is an increase of 2 million from the previous year. Why is this number so high? Firstly, many users lack education on basic security measures that could make their browsing secure and prevent them from being hacked. Secondly, hackers have an easy time breaking into users' accounts, all they have to do is listen to the traffic over the network. The proposed study examines mobile technology and various software usage. The method and results of the Test Case study will be presented and discussed.