

FOREIGN EXPERIENCES OF USING MOBILE APPLICATIONS FOR MILITARY PURPOSES

Homidov Mamirjon Maxammadjonovich

Annotation. *Applications have made the lives easiest, always there for the rescue to save time, effort, and dependencies. You want a few transactions; financial apps save you from the bank visit. In need of groceries, an app lets you shop from home and get everything to your door. The advantages of mobile apps include convenience, easy communication with customers, and online usage. The disadvantages of mobile apps include difficulty to create, the cost to create them, the cost to make them available to people, and the need for updates and support.*

Key words: *Mobile technology, personal information, security of mobile apps.*

Introduction. Mobile applications designed for use on the battlefield are useful in improving the situational awareness of soldiers and can ultimately save lives, but mobile security threats have become more sophisticated in years and can be harmful to such usage. Military applications of mobile robotics are gaining more popularity and the design of robots with more payload capacity is very important in the battlefield. The weight of the robot can be divided into two parts: the weight of the machine and the payload capacity. When a mobile robot is being designed if the weight of the machine can be kept lower, the payload capacity can be higher. In order to be able to make the robot lightweight, different types of materials should be studied. Mobile technology is among the most pervasive and innovative technologies ever invented, one that offers cellular communication across the globe. In line with the growth of mobile technology, mobile app stores have experienced booming business. Although app stores were introduced to enhance customers' security and trust in mobile apps, there are still some who doubt the protection offered by the same app stores. Convincing users that the apps they download are secure continues to be a big challenge for app stores. Mobile apps can be categorized as content delivery mode and transaction mode. Mobile apps are used in the content delivery mode to notify and report messages such as sport, financial news, games, and social media. Users will only provide their personal information on these apps if they feel secure. On the other hand, in transaction mode, apps are used to conduct transactions. Several apps can be used to purchase online products. However, concerns about the security of these apps are still the main reason many users avoid them. Users always have to decide where to get their apps – from app stores or from other websites. Few studies have investigated users' perceptions regarding the downloading of mobile apps from app store vs. websites. Argued that most people prefer to download their apps from app stores. However, others have argued that

more people install their apps from any given source than app stores apps users. As the security of mobile application marketplaces is a relatively new area for research, this study chose a qualitative approach using interviews to gain a deeper understanding of user perceptions of the security of mobile apps marketplaces. The exploratory nature of this study is the main reason for adopting a qualitative approach. The study used the qualitative approach mainly to explore user perceptions of the security of mobile apps marketplaces, an issue on which there has been scant research. Students were offered a five-point extra credit on one of their courses if they chose to complete the interview, and an alternative extra credit assignment was made available if students chose not to participate. Each participant's interview was recorded with a voice recorder. At the beginning of each interview, respondents were notified that all interviews were being recorded. Before the interview, the participants were asked if they had any questions. They were also asked to provide as much data as they could. The researcher preferred to transcribe the interviews to ensure familiarity with the data before the analysis process started. Interviews were transcribed in detail to ensure that the richness of information generated during the interviews was fully captured. Smartphones include sensitive data about users, such as addresses, photos, phone numbers, emails, and credit card information. Disclosure of these data may result in hackers invading the privacy of users and putting them at risk of financial loss. Research findings reveal that security concerns are the main barrier to users adopting certain technology. The participants in this study highlighted that although downloading mobile apps from app stores is not fully secure, they are still more secure than unknown websites. This supports a study by who reported that the main reason mobile users prefer using an app store is because app stores verify the credibility of app sources before availing them to the users.

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