

New Security Login System Using Tap and Gesture on Smartphone Touchscreen

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Abstract— The usage of smartphone nowadays has been increasingly and most of people in the world use it. Following this development a wide variety of applications for mobile phones have been created. After all, most people use the smartphone to browse social networks, listen to music, play games, make memos upload photos to Instagram, accessing banking services, as well as data sharing through cloud system. Therefore, most important thing is to understand what kinds of information exist in smart phone. One of the most important aspects of Smartphone is security and how to protect data in smartphone from unauthorized users. To do so of the easiest way is coding of mobile phone. Most people know this method. There are many kinds of smartphone lock. For example, 4-digit number, pattern lock and fingerprints etc. This paper focus on login system based on smartphone. In this paper, we present a new security technique using tap and gesture method to protect data and devise. This method is implemented etc. testing on smartphone to check the feasibility. Furthermore, we extend this method to the cloud system.

Keyword—smartphone; touchscreen; gesture; tap; cloud.



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