

Context Aware Mobile Application for mobile devices

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ABSTRACT:

Android smart devices have become an integral part of peoples lives, having evolved beyond the capability of just sending a text message or making a call. Currently, smart devices have applications that can restrict access to other applications on the same device, implemented through user authentication. Android smart devices offer the capability of Android Smart Lock, which uses different authentication methods for unlocking the device based on the users location. However, Android Smart Lock does not allow locking for individual applications. A possible solution to this limitation is an application that performs user authentication using a context-aware approach. This paper proposes a context-aware application, which provides different user authentication methods that are set up according to the auto-detection of areas designated as safe zones by the user. This application aims to improve the overall security of the content of a given device by securing individual applications.