

ABSTRACT

Smartphone ringer mode is used to change the phone mode when there are notifications such as phone call, SMS, etc. Habitually, the user needs to change manually the ringer mode when they are going to do an activity in certain place such as in a mosque. The user areless for changing the ringer mode can cause the smartphone rings inappropriately like when they are still in praying.

There are already third party applications which provide this kind service, but they still need for inputs. Furthermore, when the users come to a new location, they still need to set it up manually. This condition is uncomfortable for a mobile users who like to visit new place, especially when the users only visit a place for only one time. The solution is by using the application of ringer mode changer which is functioned by using a location-awareness input. It can change the ringer mode automatically without any user action. Android smartphone already have API (Application Programming Interface) of context awareness which can be used to utilize context awareness function as inputs to change ringer mode automatically. This study is going to develop Android smartphone application to change ringer mode automatically by utilizing the context awareness input.

Keywords: context-awareness, location-awareness, Android smartphone, ringer mode