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BASIC INFO

Smart Lockscreen



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Tags: music, quick, screen, shortcut, player, application, apps, homescreen, n9, nokia, smart, ui

music quick screen shortcut play

Idea stage:

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IDEA COLLABORATION

Linked to group [Interactive Lockscreen](#).

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ACTIONS

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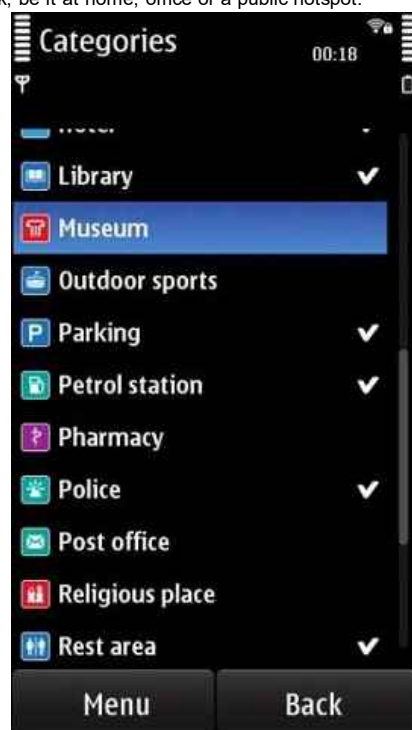
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DESCRIPTION

Linked to group [Interactive Lockscreen](#)

It would have been a great idea to have the lockscreen [user's location aware](#) as well as [weather aware](#). Users usually get bored of seeing the same lockscreen wallpaper everyday, and don't have the time to change them every now and then. The phone can use the cell towers in order to fetch the phone's location from time to time so that the wallpaper can be changed automatically depending on the [location](#) of the user and the [weather](#) around. The [cell tower ID](#) is most effective and battery saver in case of my idea here as getting an [approx location](#) is all what's needed. This has been implemented by Nokia Beta labs's application 'Situations' http://betalabs.nokia.com/apps/nokia-situations?restsso_passive=true. You'll have to try out the application in order to know how it works. What it can basically do is that it recognises the [Cell Tower's ID](#) and searches the phone's position using Ovi Maps's positioning capabilities by doing a rough [Cell Tower triangulation](#) because accuracy is not an issue in my idea. The location can also be determined if the phone is connected to a Wifi network, be it at home, office or a public hotspot.



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Here's how the Idea works:

- If it is going to rain like in an hour, the phone can change the lock screen wallpaper to something like the image below



- By tapping on a specific area or icon as defined in the application, user gets directed to the [weather](#) application of the phone, or [weather](#) on the web. Similarly, if it is raining, the lock screen can show the effect of drops dripping on the screen on the existing wallpaper, or set an image of a famous building, or monument nearby (using [location](#) service) in the background as wallpaper just like shown in the image below where the user is in Sydney and it has started drizzling.



- Similarly, if it's summer and the it's hot outside, the wallpaper can show sun rays mixed into the existing wallpaper, and similarly or winter, frost can be shown on the edges of the lockscreen as shown in the images below.

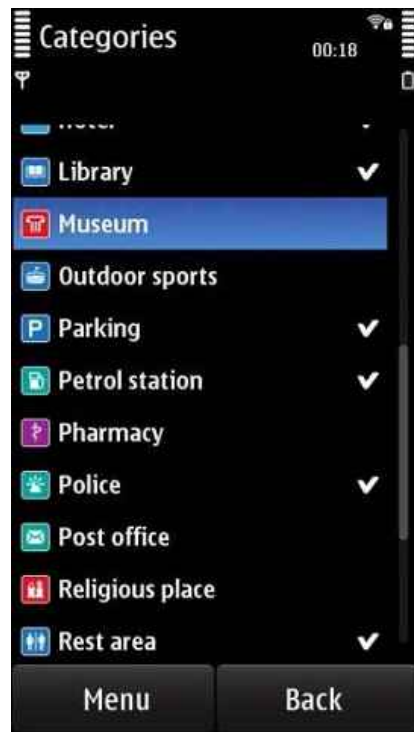


Now, this is an optional feature on the lockscreen (it can become a free billboard for advertisers as said by [Lauren Tucker](#). You may enable it if you like to, or keep a time limit for such wallpaper screen so that they don't annoy the users:

- If there is a **music concert** happening or a **movie releasing** tonight, the wallpaper can change temporarily to the artist's or movie's poster and tapping on it will direct to the ticket booking website for concerts and IMDB.com/cinema websites for movies, whichever user has preferred in settings.
- It can fetch the information and cover images via www.imdb.com or from the feeds that the user has subscribed to, or the phone can automatically search for images on google images in web browser and pick up the most popular/viewed image (This happens in the background).



- These images and effects are randomly chosen by the phone from a set of predefined images stored up in the phone in case of **weather** or by searching them on the web if not available locally like in case of Concerts and movies.
- Possibilities are endless and as are the content that can be displayed on the lockscreen. But it can be minimised by asking user for favourites just like asked in Ovi Maps! 😊



- And of course, having music player's album art on the lockscreen would be more than welcome, where accelerometer can be put to use by tilting the device to right skips the current track (only when the lockscreen is displayed and screen touched while tilting, or else the tracks will skip unwillingly when the user is operating the phone while sitting on the bed, it's my experience) and similarly for previous track, the screen needs to be touched and tilted to the left. If the music needs to be paused, a simple double tap on the album art would suffice.



Lockscreen is a part of the UI that users always get to see before everything, so making it the most appealing and smart would make the phone's overall UI appear better.

I would also suggest to let the lockscreen be orientation aware, that is it rotates if the device is held in landscape mode. It will give the wallpaper a more better feel just like in Windows 8



Making an app would give the user flexibility to uninstall it in case he/she doesn't like it, or just needs to keep the phone simple, or want's to make full use of the 16Gb memory.

**And I don't suggest making use of GPS sensor as it is a real battery consumer and there is no need for pinpoint accuracy in the application.*

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Short Description: Along with the standard time and date, and notifications about missed calls and messages, more information can be displayed on the lockscreen, visually!

Theme: 3 - Environment

App Idea: A mobile application can be made for this idea

Comments (78)

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